

**TEST REPORT  
PN-EN 13032**

**Light and lighting. Measurement and presentation of photometric data of lamps  
and luminaires**

Report Number. .... : BS-3/161/B/4/15

Date of issue ..... : 03.02.2016

Total number of pages ..... : 14

Applicant's name ..... : Agropian System Dariusz Janiak

Address ..... : ul.Szeroka 29, 05-860 Płochocin, Polska

**Test specification:**

Standard ..... : PN-EN 13032-1+A1:2012

Test procedure..... : Photometric data

Non-standard test method..... : N/A

Test Report Form No..... : ITE\_PREDOM\_13032

Test Report Form(s) Originator.... : ITE PREDOM Division

Master TRF ..... : 2014-03

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Test item description ..... : LED luminaire

Trade Mark..... : Agropian System

Manufacturer ..... : Agropian System Dariusz Janiak  
ul.Szeroka 29, 05-860 Płochocin, Polska

Model/Type reference..... : LAMPA AS LED LD2XBC

Ratings..... : 230V AC, 50Hz, 21W

PN-EN 13032-1			
Clause	Requirement + Test	Result - Remark	Verdict

<b>Testing procedure and testing location:</b>			
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	ITE PREDOM Divison	
Testing location/ address..... :		02-255 Warszawa, ul. Krakowiaków 53, Poland	
<input type="checkbox"/>	<b>Associated CB Laboratory:</b>		
Testing location/ address..... :			
	Tested by (name + signature) .....	M. Jasiński	
	Approved by (+ signature) .....	T. Małyska	
	Supervised by (+ signature) .....	A. Piotrowski	
<input type="checkbox"/>	Testing procedure: TMP		
Testing location/ address..... :			
	Tested by (name + signature) .....		
	Approved by (+ signature) .....		
<input type="checkbox"/>	Testing procedure: WMT		
Testing location/ address..... :			
	Tested by (name + signature) .....		
	Witnessed by (+ signature)..... :		
	Approved by (+ signature) .....		
<input type="checkbox"/>	Testing procedure: SMT		
Testing location/ address..... :			
	Tested by (name + signature) .....		
	Approved by (+ signature) .....		
	Supervised by (+ signature) .....		

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Clause	Requirement + Test	Result - Remark	Verdict

**List of Attachments (including a total number of pages in each attachment):**  
**1 photometric file-** LAMPA AS LED LD2XBC

**Summary of testing: Tests Result - positive**

**Tests performed (name of test and test clause):**  
**PN-EN 13032-1+A1:2012 – photometric files**

**Testing location:**  
 ITE PREDOM Division  
 02-255 Warszawa, ul. Krakowiaków 53, Poland

**Test item particulars**.....: LED Luminaire

Classification of installation and use.....: Normal use

Supply Connection.....: Cord

**Testing** .....

Date of receipt of test item.....: 25.01.2016

Date (s) of performance of tests .....: 25.01.2016 – 03.02.2016

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Clause	Requirement + Test	Result - Remark	Verdict

**General remarks:**

The test results presented in this report relate only to the object tested.  
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

"(See Enclosure #)" refers to additional information appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report a  comma /  point is used as the decimal separator.

**General product information:**

Photometric data and graphs of luminaires.

Photometric files are an integral part of this report and have been delivered to the applicant along with the report.

## LAMPA AS LED LD2XBC

**Electrical parameters**

Supply voltage U [V]	230,0
Supply current I [A]	0,10
Power P [W]	20,0
Power factor PF [ - ]	0,89
Frequency f [Hz]	50,0

**Photometric parameters**

total luminous flux [lm]	2304
total luminous efficacy [lm/W]	115,2

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Clause	Requirement + Test													Result - Remark				Verdict					

## Luminous intensity [cd]

G <sup>o</sup> /C <sup>o</sup> ]	0,0	15,0	30,0	45,0	60,0	75,0	90,0	105,0	120,0	135,0	150,0	165,0	180,0	195,0	210,0	225,0	240,0	255,0	270,0	285,0	300,0	315,0	330,0	345,0
0,0	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68	794,68
1,0	792,49	789,72	792,49	794,34	793,41	797,10	793,41	788,80	786,96	786,96	784,19	782,34	781,42	781,42	783,27	785,11	786,96	797,10	799,87	798,95	799,87	797,10	796,18	794,34
2,0	781,42	782,34	784,19	789,72	787,88	792,49	789,72	783,27	781,42	780,50	773,12	770,35	765,74	772,20	774,96	778,65	782,34	793,41	798,95	798,95	799,87	791,57	788,80	785,11
3,0	767,58	765,74	768,50	774,96	784,19	785,11	785,11	778,65	773,12	763,89	749,13	738,06	733,45	740,83	745,44	764,81	779,58	791,57	800,79	797,10	792,49	782,34	772,20	770,35
4,0	757,43	759,28	761,12	759,28	767,58	778,65	780,50	770,35	758,36	736,21	731,60	731,60	735,29	733,45	733,45	739,91	766,66	786,03	797,10	797,10	785,11	769,43	768,50	758,36
5,0	746,36	748,21	744,52	755,59	759,28	774,04	775,89	768,50	738,98	727,91	737,14	749,13	754,67	752,82	740,83	731,60	750,98	782,34	798,03	795,26	773,12	768,50	753,74	750,98
6,0	752,82	746,36	734,37	740,83	750,98	772,20	773,12	762,05	723,30	728,83	747,29	756,51	762,05	758,36	755,59	738,98	732,52	779,58	798,03	787,88	774,96	757,43	748,21	752,82
7,0	751,90	748,21	741,75	738,06	753,74	767,58	774,96	755,59	723,30	741,75	751,90	761,12	769,43	762,97	761,12	754,67	729,76	777,73	794,34	786,03	764,81	747,29	756,51	755,59
8,0	753,74	744,52	742,67	734,37	742,67	764,81	771,27	745,44	723,30	748,21	759,28	765,74	774,96	767,58	763,89	757,43	731,60	769,43	796,18	779,58	757,43	750,98	752,82	753,74
9,0	751,90	746,36	738,98	739,91	735,29	758,36	769,43	736,21	735,29	750,98	763,89	771,27	774,04	774,96	769,43	762,05	743,60	756,51	792,49	772,20	750,98	755,59	757,43	754,67
10,0	751,90	740,83	739,91	738,06	729,76	753,74	768,50	725,14	737,14	754,67	765,74	769,43	774,96	771,27	774,04	763,89	751,90	746,36	791,57	767,58	746,36	747,29	756,51	752,82
11,0	749,13	735,29	735,29	736,21	726,99	746,36	765,74	714,07	739,91	758,36	759,28	771,27	778,65	773,12	770,35	767,58	752,82	733,45	788,80	765,74	748,21	752,82	753,74	749,13
12,0	743,60	733,45	732,52	736,21	728,83	738,98	761,12	709,46	740,83	763,89	765,74	774,96	778,65	779,58	773,12	774,96	751,90	722,38	786,03	762,97	750,98	754,67	748,21	745,44
13,0	742,67	731,60	728,83	734,37	731,60	737,14	758,36	706,69	742,67	758,36	766,66	768,50	781,42	776,81	774,04	765,74	751,90	714,07	782,34	756,51	748,21	750,05	746,36	743,60
14,0	738,98	725,14	724,22	728,83	727,91	736,21	756,51	705,77	743,60	753,74	761,12	768,50	777,73	780,50	773,12	762,97	752,82	715,00	777,73	747,29	740,83	746,36	744,52	738,98
15,0	739,91	724,22	720,53	725,14	720,53	728,83	752,82	704,85	746,36	756,51	763,89	761,12	767,58	774,96	774,96	766,66	750,98	714,07	775,89	739,91	742,67	742,67	738,98	738,06
16,0	735,29	722,38	715,92	722,38	721,45	719,61	750,98	707,61	747,29	755,59	760,20	750,05	756,51	762,97	773,12	767,58	754,67	712,23	771,27	732,52	742,67	740,83	736,21	738,06
17,0	734,37	719,61	715,92	717,76	718,69	712,23	746,36	709,46	744,52	753,74	750,98	741,75	750,05	754,67	765,74	762,97	757,43	715,92	769,43	724,22	738,06	736,21	737,14	732,52
18,0	729,76	715,92	713,15	713,15	715,00	705,77	741,75	708,54	737,14	754,67	738,98	733,45	742,67	747,29	753,74	762,05	750,98	720,53	762,97	717,76	731,60	730,68	734,37	731,60
19,0	722,38	708,54	712,23	705,77	711,31	699,31	737,14	703,00	734,37	751,90	736,21	726,99	738,06	740,83	745,44	760,20	746,36	724,22	757,43	712,23	726,99	726,07	731,60	726,07
20,0	716,84	703,00	707,61	702,08	704,85	691,01	733,45	702,08	735,29	744,52	727,91	722,38	738,06	734,37	738,06	754,67	743,60	722,38	752,82	712,23	719,61	722,38	726,99	717,76
21,0	705,77	698,39	700,23	701,16	700,23	689,16	729,76	704,85	731,60	731,60	718,69	723,30	735,29	734,37	729,76	744,52	742,67	716,84	749,13	708,54	717,76	719,61	718,69	711,31
22,0	699,31	688,24	692,85	699,31	693,78	687,32	724,22	698,39	731,60	719,61	715,92	721,45	731,60	732,52	724,22	733,45	742,67	718,69	742,67	706,69	713,15	714,07	713,15	703,92

PN-EN 13032-1																							
Clause	Requirement + Test													Result - Remark						Verdict			

G[°]/C[°]	0,0	15,0	30,0	45,0	60,0	75,0	90,0	105,0	120,0	135,0	150,0	165,0	180,0	195,0	210,0	225,0	240,0	255,0	270,0	285,0	300,0	315,0	330,0	345,0
23,0	694,70	680,86	687,32	693,78	686,40	682,71	719,61	697,47	724,22	715,92	714,07	715,92	731,60	728,83	725,14	725,14	739,91	715,00	737,14	703,92	707,61	712,23	705,77	699,31
24,0	692,85	676,25	679,02	688,24	680,86	678,09	714,07	692,85	722,38	706,69	712,23	719,61	723,30	731,60	722,38	716,84	731,60	712,23	732,52	698,39	700,23	707,61	696,54	694,70
25,0	692,85	676,25	671,63	680,86	677,17	677,17	707,61	689,16	717,76	700,23	706,69	705,77	711,31	718,69	717,76	712,23	728,83	706,69	726,07	688,24	693,78	700,23	693,78	694,70
26,0	688,24	675,32	666,10	672,56	669,79	670,71	701,16	684,55	714,07	692,85	706,69	694,70	698,39	704,85	713,15	701,16	724,22	702,08	720,53	683,63	687,32	692,85	686,40	691,01
27,0	679,94	668,87	661,49	663,33	665,18	662,41	697,47	681,78	705,77	690,09	700,23	679,02	688,24	691,01	714,07	698,39	716,84	699,31	715,92	680,86	685,47	686,40	684,55	685,47
28,0	670,71	662,41	661,49	657,80	661,49	656,87	690,09	681,78	691,93	685,47	686,40	670,71	682,71	678,09	698,39	696,54	708,54	691,01	706,69	678,09	680,86	674,40	684,55	678,09
29,0	661,49	651,34	657,80	645,80	655,03	651,34	684,55	679,02	679,94	681,78	668,87	667,94	681,78	675,32	679,94	692,85	695,62	689,16	698,39	669,79	675,32	663,33	676,25	668,87
30,0	660,56	643,03	648,57	639,34	650,42	646,72	677,17	674,40	671,63	674,40	655,95	665,18	660,56	672,56	664,25	686,40	682,71	682,71	687,32	659,64	667,02	657,80	667,94	663,33
31,0	649,49	640,27	638,42	634,73	641,19	639,34	669,79	665,18	663,33	676,25	652,26	641,19	620,89	655,03	663,33	682,71	676,25	675,32	677,17	650,42	660,56	650,42	660,56	659,64
32,0	639,34	631,96	631,96	628,27	635,65	632,89	662,41	654,11	655,95	665,18	650,42	603,36	615,36	614,43	656,87	678,09	665,18	666,10	672,56	639,34	654,11	647,65	648,57	648,57
33,0	622,74	619,97	624,58	627,35	629,20	626,43	654,11	646,72	645,80	651,34	646,72	599,67	631,04	609,82	655,03	663,33	653,18	655,03	666,10	632,89	643,03	648,57	644,88	637,50
34,0	607,05	604,29	620,89	621,82	619,97	614,43	643,96	641,19	633,81	633,81	608,90	617,20	650,42	624,58	620,89	643,03	640,27	647,65	656,87	623,66	630,12	640,27	640,27	619,05
35,0	600,60	590,45	607,98	613,51	609,82	606,13	631,96	636,58	631,04	621,82	578,45	631,04	644,88	643,96	587,68	631,96	627,35	638,42	648,57	612,59	618,13	631,04	628,27	603,36
36,0	597,83	583,07	594,14	603,36	601,52	595,98	619,05	627,35	625,51	612,59	578,45	625,51	630,12	635,65	585,84	620,89	622,74	631,96	643,03	606,13	608,90	622,74	613,51	601,52
37,0	589,53	581,22	579,38	595,06	593,22	581,22	609,82	619,05	619,97	605,21	595,98	612,59	609,82	626,43	602,44	612,59	616,28	627,35	632,89	600,60	595,98	612,59	597,83	596,91
38,0	583,07	571,07	564,62	583,99	578,45	571,07	598,75	609,82	610,74	601,52	609,82	595,06	598,75	610,74	619,97	609,82	610,74	621,82	625,51	590,45	586,76	602,44	582,14	587,68
39,0	572,92	564,62	557,24	576,61	568,31	561,85	589,53	599,67	601,52	588,60	600,60	580,30	585,84	595,98	611,67	601,52	601,52	616,28	615,36	583,07	579,38	597,83	580,30	581,22
40,0	559,08	559,08	554,47	569,23	559,08	552,62	582,14	591,37	597,83	544,32	585,84	568,31	580,30	580,30	599,67	554,47	593,22	607,98	607,05	574,76	570,15	584,91	572,92	570,15
41,0	546,16	543,40	545,24	557,24	545,24	543,40	571,07	584,91	586,76	529,56	570,15	564,62	584,91	572,00	581,22	532,33	595,98	598,75	595,98	565,54	563,69	572,00	561,85	560,00
42,0	531,40	531,40	535,09	543,40	536,02	536,02	561,85	574,76	567,38	529,56	556,31	568,31	573,84	577,53	565,54	526,79	578,45	589,53	587,68	554,47	560,93	553,54	552,62	546,16
43,0	514,80	514,80	529,56	525,87	530,48	524,02	553,54	566,46	548,01	547,09	544,32	558,16	560,00	566,46	552,62	542,47	564,62	583,07	578,45	542,47	555,39	536,02	542,47	532,33
44,0	500,04	496,35	516,64	511,11	524,02	513,87	543,40	555,39	531,40	555,39	536,02	547,09	550,78	552,62	541,55	555,39	542,47	572,00	566,46	536,02	544,32	518,49	527,71	512,95

PN-EN 13032-1																							
Clause	Requirement + Test													Result - Remark						Verdict			

G[°]/C[°]	0,0	15,0	30,0	45,0	60,0	75,0	90,0	105,0	120,0	135,0	150,0	165,0	180,0	195,0	210,0	225,0	240,0	255,0	270,0	285,0	300,0	315,0	330,0	345,0
45,0	487,12	484,35	500,04	502,80	513,87	503,73	531,40	542,47	515,72	541,55	536,94	534,17	557,24	536,94	544,32	541,55	531,40	560,93	555,39	526,79	532,33	516,64	516,64	497,27
46,0	478,82	467,75	487,12	496,35	500,04	493,58	520,33	526,79	507,42	527,71	526,79	543,40	546,16	545,24	536,02	525,87	516,64	548,01	547,09	517,56	520,33	505,57	501,88	483,43
47,0	466,82	457,60	467,75	486,20	488,96	486,20	509,26	511,11	501,88	505,57	514,80	528,64	564,62	534,17	524,95	504,65	506,49	528,64	534,17	505,57	504,65	497,27	480,66	474,20
48,0	454,83	448,37	452,06	475,13	476,05	476,97	500,04	498,19	494,50	490,81	499,11	547,09	546,16	554,47	508,34	489,89	499,11	515,72	523,10	496,35	497,27	486,20	465,90	464,98
49,0	437,30	434,53	436,38	464,98	467,75	466,82	489,89	484,35	460,36	477,89	505,57	531,40	523,10	539,71	511,11	475,13	488,96	499,11	510,18	488,04	490,81	475,13	451,14	450,22
50,0	425,31	417,00	425,31	447,45	457,60	455,75	476,05	471,44	420,69	471,44	491,73	505,57	515,72	515,72	497,27	464,06	440,07	488,04	498,19	476,05	476,05	459,44	441,91	431,77
51,0	411,47	405,01	416,08	429,00	443,76	444,68	464,98	458,52	409,62	473,28	511,11	498,19	512,95	503,73	518,49	467,75	416,08	472,36	489,89	462,21	463,13	444,68	429,92	417,93
52,0	399,47	393,02	402,24	412,39	427,15	432,69	455,75	441,91	409,62	457,60	496,35	498,19	491,73	506,49	506,49	456,67	409,62	460,36	473,28	450,22	440,07	423,46	416,08	407,78
53,0	381,02	381,95	384,71	392,09	408,70	417,93	442,84	429,00	429,92	438,22	472,36	475,13	487,12	481,58	480,66	443,76	425,31	444,68	457,60	434,53	422,54	410,55	398,55	395,78
54,0	377,33	363,49	369,95	375,49	391,17	405,01	426,23	420,69	426,23	425,31	463,13	470,51	478,82	476,05	466,82	428,07	440,99	428,07	444,68	420,69	412,39	389,33	382,87	375,49
55,0	371,80	357,96	357,96	360,73	383,79	391,17	409,62	409,62	413,31	428,07	458,52	463,13	443,76	468,67	466,82	430,84	426,23	417,00	431,77	401,32	406,86	377,33	371,80	369,95
56,0	369,95	354,27	345,04	350,58	377,33	373,64	396,71	397,63	393,02	418,85	437,30	428,07	428,07	432,69	444,68	417,00	408,70	404,09	420,69	385,64	393,94	368,11	358,88	365,34
57,0	350,58	349,66	327,51	336,74	364,42	356,11	379,18	381,95	371,80	435,46	436,38	412,39	420,69	417,00	440,99	442,84	384,71	392,09	407,78	374,57	381,95	355,19	340,43	363,49
58,0	347,81	332,13	321,06	321,98	350,58	342,28	368,11	372,72	358,88	407,78	421,62	403,17	404,09	407,78	427,15	415,16	368,11	378,26	393,94	362,57	369,03	336,74	337,66	344,12
59,0	343,20	327,51	315,52	305,37	334,89	329,36	356,11	357,04	345,97	379,18	382,87	385,64	394,86	392,09	389,33	383,79	348,73	366,26	381,95	349,66	350,58	321,98	333,05	342,28
60,0	326,59	323,82	309,06	290,61	316,44	318,29	339,51	337,66	347,81	394,86	370,88	376,41	369,95	382,87	375,49	399,47	348,73	363,49	364,42	342,28	335,82	305,37	322,90	336,74
61,0	292,46	307,22	294,30	278,62	301,68	308,14	325,67	314,60	333,05	368,11	367,18	352,42	376,41	357,04	370,88	373,64	343,20	338,58	350,58	332,13	311,83	293,38	309,06	321,06
62,0	304,45	274,93	292,46	261,09	278,62	298,91	313,68	293,38	310,91	361,65	344,12	358,88	357,96	366,26	346,89	363,49	326,59	314,60	333,05	317,37	294,30	271,24	307,22	286,00
63,0	283,23	283,23	282,31	250,94	259,24	286,00	297,07	282,31	305,37	347,81	332,13	336,74	335,82	343,20	333,97	356,11	307,22	295,22	317,37	300,76	273,08	267,55	297,07	297,99
64,0	263,86	264,78	262,01	249,10	243,56	271,24	284,15	270,31	296,15	308,14	315,52	317,37	324,75	321,06	318,29	312,75	303,53	280,46	301,68	285,08	260,17	265,70	271,24	277,70
65,0	248,17	247,25	246,33	240,79	230,64	253,71	265,70	254,63	317,37	297,07	315,52	307,22	309,06	310,91	317,37	298,91	297,99	269,39	286,92	273,08	247,25	252,79	266,62	259,24
66,0	240,79	233,41	242,64	226,95	215,88	240,79	250,02	209,42	293,38	288,77	294,30	295,22	300,76	299,84	293,38	291,53	304,45	257,40	271,24	258,32	228,80	245,40	248,17	242,64

PN-EN 13032-1																							
Clause	Requirement + Test													Result - Remark						Verdict			

G[*]/C[*]	0,0	15,0	30,0	45,0	60,0	75,0	90,0	105,0	120,0	135,0	150,0	165,0	180,0	195,0	210,0	225,0	240,0	255,0	270,0	285,0	300,0	315,0	330,0	345,0
67,0	233,41	223,26	224,19	226,95	197,43	227,88	236,18	190,05	263,86	274,93	279,54	285,08	293,38	289,69	280,46	276,77	265,70	203,89	255,55	239,87	209,42	244,48	231,57	234,33
68,0	214,96	215,88	204,81	213,11	182,67	205,73	217,73	187,28	260,17	242,64	262,93	275,85	277,70	279,54	263,86	245,40	278,62	181,75	239,87	215,88	197,43	226,03	213,11	226,03
69,0	194,66	197,43	197,43	182,67	168,83	184,51	202,04	206,66	250,02	253,71	253,71	263,86	262,93	265,70	252,79	258,32	250,94	176,21	219,57	195,59	178,06	195,59	207,58	208,50
70,0	187,28	179,90	189,13	187,28	154,07	168,83	185,44	189,13	239,87	231,57	246,33	242,64	246,33	245,40	245,40	236,18	248,17	202,97	202,04	189,13	170,68	198,35	199,28	190,97
71,0	178,98	175,29	170,68	171,60	153,15	159,61	168,83	167,91	198,35	215,88	232,49	236,18	257,40	241,71	232,49	218,65	206,66	184,51	188,21	176,21	172,52	180,82	181,75	186,36
72,0	164,22	164,22	153,15	154,07	144,84	145,77	154,99	153,15	193,74	202,04	211,27	237,10	218,65	238,02	210,35	205,73	194,66	160,53	169,75	160,53	156,84	165,14	163,30	173,44
73,0	153,15	147,61	150,38	147,61	138,39	132,85	135,62	143,92	176,21	193,74	214,04	199,28	205,73	202,04	216,81	197,43	178,06	145,77	153,15	142,08	160,53	163,30	163,30	154,99
74,0	132,85	131,93	138,39	137,46	131,93	112,55	122,70	134,70	146,69	182,67	194,66	193,74	209,42	196,51	192,82	185,44	149,46	140,23	136,54	120,86	140,23	147,61	148,53	139,31
75,0	125,47	122,70	123,63	117,17	107,02	93,18	106,10	115,32	154,07	165,14	169,75	195,59	194,66	198,35	169,75	166,06	160,53	127,32	119,93	101,48	134,70	130,08	131,93	130,08
76,0	105,17	107,02	108,86	113,48	106,10	80,26	89,49	110,71	132,85	163,30	172,52	178,06	175,29	181,75	176,21	171,60	133,77	107,02	102,41	93,18	119,01	130,08	116,24	114,40
77,0	97,79	94,10	100,56	103,33	91,33	71,96	74,73	117,17	120,86	143,00	162,37	150,38	154,99	151,30	163,30	142,08	124,55	115,32	89,49	79,34	102,41	114,40	109,79	100,56
78,0	85,80	84,88	83,03	88,57	86,72	59,97	62,74	107,02	118,09	126,39	140,23	148,53	154,07	152,22	136,54	130,08	121,78	95,95	74,73	67,35	102,41	103,33	90,41	91,33
79,0	78,42	74,73	75,65	78,42	71,96	49,82	48,90	95,95	104,25	132,85	128,24	135,62	136,54	136,54	131,93	136,54	107,94	95,03	62,74	55,35	77,50	89,49	83,03	79,34
80,0	68,27	69,19	64,58	64,58	64,58	43,36	41,52	63,66	101,48	113,48	122,70	114,40	117,17	114,40	120,86	110,71	108,86	71,04	46,13	58,12	81,19	71,04	71,04	74,73
81,0	51,66	51,66	59,04	58,12	57,20	38,75	31,37	58,12	76,57	96,87	98,72	108,86	105,17	110,71	98,72	103,33	79,34	62,74	35,98	56,28	65,50	65,50	66,43	55,35
82,0	43,36	42,44	43,36	48,90	46,13	35,06	22,14	54,43	83,95	89,49	95,03	88,57	97,79	90,41	91,33	89,49	90,41	48,90	25,83	35,98	56,28	59,04	49,82	45,21
83,0	37,83	37,83	35,06	40,59	35,06	29,52	16,61	38,75	63,66	73,81	76,57	81,19	80,26	80,26	83,95	77,50	64,58	40,59	20,30	34,14	44,28	48,90	39,67	41,52
84,0	29,52	30,44	31,37	30,44	29,52	23,06	11,99	35,98	61,81	59,97	66,43	69,19	71,04	71,96	65,50	59,04	63,66	37,83	15,68	29,52	36,90	35,98	35,06	33,21
85,0	22,14	23,06	23,06	26,75	24,91	17,53	9,23	33,21	41,52	54,43	57,20	60,89	59,97	59,04	56,28	51,66	47,97	35,98	11,99	25,83	31,37	30,44	26,75	24,91
86,0	17,53	17,53	18,45	19,37	18,45	13,84	6,46	25,83	35,06	43,36	47,97	48,90	50,74	48,90	46,13	44,28	38,75	28,60	8,30	18,45	23,06	23,06	20,30	18,45
87,0	16,61	16,61	16,61	15,68	15,68	11,99	5,54	18,45	27,68	34,14	39,67	42,44	42,44	41,52	38,75	34,14	27,68	20,30	6,46	15,68	19,37	17,53	17,53	17,53
88,0	16,61	16,61	15,68	14,76	13,84	10,15	4,61	11,99	21,22	29,52	33,21	35,06	34,14	33,21	30,44	28,60	22,14	13,84	5,54	12,92	15,68	16,61	16,61	16,61



PN-EN 13032-1																							
Clause	Requirement + Test											Result - Remark						Verdict					

G[°]/C[°]	0,0	15,0	30,0	45,0	60,0	75,0	90,0	105,0	120,0	135,0	150,0	165,0	180,0	195,0	210,0	225,0	240,0	255,0	270,0	285,0	300,0	315,0	330,0	345,0
89,0	15,68	15,68	15,68	14,76	13,84	9,23	4,61	11,07	16,61	22,14	23,06	24,91	23,99	23,99	21,22	19,37	16,61	11,99	4,61	11,07	14,76	15,68	16,61	16,61
90,0	16,61	15,68	15,68	14,76	12,92	8,30	4,61	8,30	11,99	14,76	16,61	19,37	19,37	20,30	17,53	15,68	13,84	10,15	4,61	10,15	14,76	15,68	15,68	15,68
91,0	16,61	16,61	15,68	14,76	12,92	9,23	4,61	8,30	11,07	12,92	13,84	14,76	14,76	14,76	13,84	12,92	11,99	10,15	4,61	11,07	14,76	15,68	15,68	16,61
92,0	16,61	15,68	15,68	14,76	12,92	9,23	4,61	8,30	11,07	12,92	13,84	13,84	13,84	13,84	13,84	12,92	12,92	10,15	4,61	11,07	14,76	15,68	15,68	15,68
93,0	15,68	15,68	14,76	13,84	12,92	9,23	4,61	9,23	11,07	12,92	13,84	13,84	13,84	13,84	13,84	12,92	11,99	10,15	4,61	11,07	14,76	14,76	15,68	15,68
94,0	15,68	15,68	15,68	14,76	12,92	9,23	4,61	9,23	11,07	12,92	13,84	13,84	13,84	13,84	13,84	12,92	11,99	10,15	4,61	11,07	14,76	15,68	15,68	16,61
95,0	16,61	16,61	15,68	14,76	12,92	10,15	4,61	9,23	11,07	11,99	13,84	13,84	13,84	13,84	13,84	12,92	12,92	10,15	4,61	11,99	14,76	15,68	15,68	16,61
96,0	16,61	16,61	15,68	13,84	12,92	10,15	4,61	9,23	11,07	12,92	13,84	13,84	13,84	13,84	13,84	12,92	11,99	11,07	4,61	11,99	13,84	15,68	15,68	16,61
97,00	16,61	16,61	15,68	14,76	12,92	10,15	4,61	9,23	11,07	12,92	13,84	13,84	13,84	13,84	13,84	12,92	12,92	11,07	5,54	12,92	14,76	14,76	15,68	16,61
98,00	16,61	16,61	15,68	14,76	12,92	11,07	4,61	10,15	11,99	12,92	13,84	13,84	13,84	13,84	13,84	12,92	12,92	11,07	5,54	11,99	14,76	15,68	15,68	16,61
99,00	16,61	16,61	15,68	14,76	13,84	11,07	5,54	10,15	11,99	12,92	13,84	14,76	14,76	14,76	13,84	12,92	12,92	11,07	5,54	11,99	14,76	15,68	16,61	16,61
100,00	16,61	16,61	15,68	14,76	13,84	11,07	5,54	10,15	11,07	12,92	13,84	13,84	14,76	13,84	13,84	12,92	12,92	11,07	5,54	11,99	13,84	15,68	16,61	16,61
101,00	16,61	16,61	16,61	14,76	12,92	10,15	5,54	10,15	11,99	12,92	13,84	14,76	14,76	14,76	13,84	13,84	12,92	11,07	5,54	11,07	14,76	15,68	16,61	17,53
102,00	16,61	17,53	15,68	15,68	13,84	11,07	5,54	10,15	11,99	12,92	13,84	14,76	14,76	14,76	13,84	13,84	12,92	10,15	5,54	11,07	14,76	15,68	16,61	17,53
103,00	17,53	16,61	15,68	14,76	13,84	10,15	5,54	9,23	11,99	12,92	13,84	14,76	14,76	14,76	14,76	13,84	12,92	9,23	5,54	11,07	14,76	15,68	16,61	17,53
104,00	17,53	17,53	16,61	15,68	13,84	10,15	5,54	9,23	11,99	13,84	14,76	14,76	14,76	14,76	14,76	13,84	12,92	9,23	5,54	11,07	14,76	15,68	16,61	17,53
105,00	17,53	16,61	16,61	14,76	13,84	10,15	5,54	9,23	11,99	13,84	14,76	15,68	15,68	14,76	14,76	13,84	12,92	9,23	5,54	10,15	13,84	15,68	17,53	17,53
106,00	17,53	17,53	16,61	15,68	12,92	10,15	5,54	8,30	11,99	13,84	13,84	15,68	14,76	14,76	14,76	13,84	12,92	8,30	5,54	10,15	14,76	16,61	16,61	17,53
107,00	18,45	17,53	16,61	15,68	13,84	10,15	6,46	8,30	11,99	13,84	14,76	15,68	15,68	15,68	14,76	13,84	12,92	8,30	5,54	10,15	13,84	15,68	17,53	18,45
108,00	18,45	17,53	16,61	15,68	12,92	9,23	5,54	9,23	11,99	13,84	14,76	15,68	15,68	15,68	14,76	13,84	12,92	8,30	5,54	10,15	13,84	15,68	17,53	17,53
109,00	18,45	17,53	16,61	15,68	12,92	9,23	6,46	8,30	11,99	13,84	14,76	15,68	15,68	15,68	14,76	13,84	12,92	8,30	6,46	10,15	13,84	16,61	17,53	18,45
110,00	18,45	18,45	17,53	15,68	13,84	9,23	6,46	8,30	11,99	13,84	14,76	15,68	15,68	15,68	14,76	13,84	11,99	8,30	6,46	9,23	13,84	16,61	17,53	18,45

PN-EN 13032-1																							
Clause	Requirement + Test											Result - Remark						Verdict					

G[°]/C[°]	0,0	15,0	30,0	45,0	60,0	75,0	90,0	105,0	120,0	135,0	150,0	165,0	180,0	195,0	210,0	225,0	240,0	255,0	270,0	285,0	300,0	315,0	330,0	345,0
111,00	18,45	18,45	16,61	15,68	12,92	9,23	6,46	9,23	11,99	13,84	14,76	15,68	15,68	15,68	14,76	13,84	11,99	8,30	6,46	10,15	13,84	15,68	17,53	18,45
112,00	18,45	18,45	16,61	15,68	12,92	9,23	6,46	8,30	11,99	13,84	15,68	15,68	15,68	15,68	14,76	13,84	11,99	8,30	6,46	10,15	13,84	15,68	17,53	18,45
113,00	18,45	18,45	16,61	14,76	13,84	9,23	6,46	8,30	11,99	13,84	14,76	15,68	15,68	15,68	14,76	13,84	11,99	8,30	6,46	9,23	13,84	15,68	17,53	18,45
114,00	18,45	18,45	16,61	14,76	12,92	9,23	6,46	9,23	11,99	13,84	15,68	15,68	15,68	15,68	14,76	13,84	11,07	8,30	6,46	9,23	13,84	15,68	17,53	18,45
115,00	18,45	18,45	16,61	15,68	12,92	9,23	6,46	8,30	11,07	13,84	15,68	16,61	16,61	15,68	15,68	13,84	11,07	8,30	6,46	9,23	12,92	15,68	17,53	18,45
116,00	18,45	18,45	16,61	15,68	12,92	9,23	6,46	8,30	11,07	13,84	15,68	15,68	16,61	15,68	14,76	13,84	11,07	8,30	6,46	9,23	12,92	15,68	17,53	18,45
117,00	18,45	18,45	17,53	14,76	11,99	9,23	7,38	8,30	11,07	13,84	15,68	15,68	15,68	15,68	15,68	13,84	11,07	8,30	7,38	9,23	12,92	15,68	17,53	18,45
118,00	18,45	18,45	16,61	15,68	11,99	9,23	7,38	8,30	11,07	13,84	15,68	15,68	16,61	15,68	14,76	13,84	10,15	8,30	6,46	9,23	11,99	15,68	17,53	18,45
119,00	18,45	18,45	16,61	14,76	11,99	9,23	7,38	8,30	11,07	13,84	15,68	16,61	16,61	16,61	14,76	13,84	11,07	8,30	7,38	9,23	11,99	15,68	17,53	18,45
120,00	19,37	18,45	16,61	14,76	11,99	9,23	7,38	8,30	11,07	13,84	15,68	16,61	16,61	15,68	14,76	12,92	11,07	8,30	7,38	9,23	11,99	15,68	17,53	18,45
121,00	18,45	18,45	16,61	14,76	11,99	9,23	7,38	8,30	11,07	13,84	15,68	15,68	16,61	15,68	14,76	12,92	10,15	8,30	7,38	9,23	11,99	15,68	17,53	18,45
122,00	18,45	18,45	16,61	14,76	11,99	9,23	7,38	8,30	10,15	13,84	15,68	15,68	16,61	15,68	14,76	12,92	11,07	8,30	7,38	9,23	11,07	14,76	17,53	18,45
123,00	19,37	18,45	16,61	13,84	11,99	9,23	7,38	8,30	10,15	12,92	15,68	15,68	16,61	15,68	14,76	11,99	10,15	8,30	7,38	9,23	11,07	14,76	17,53	18,45
124,00	18,45	17,53	16,61	13,84	11,99	9,23	7,38	8,30	10,15	12,92	15,68	15,68	15,68	15,68	14,76	11,99	10,15	9,23	7,38	9,23	11,07	14,76	17,53	18,45
125,00	18,45	18,45	16,61	13,84	11,07	9,23	7,38	8,30	10,15	11,99	14,76	15,68	15,68	15,68	14,76	11,99	10,15	8,30	7,38	9,23	10,15	13,84	16,61	18,45
126,00	18,45	17,53	16,61	13,84	11,07	9,23	7,38	8,30	10,15	11,99	14,76	15,68	15,68	15,68	14,76	11,99	10,15	8,30	7,38	9,23	10,15	13,84	16,61	18,45
127,00	18,45	17,53	15,68	12,92	11,07	9,23	7,38	8,30	9,23	11,99	14,76	15,68	15,68	15,68	13,84	11,99	10,15	8,30	8,30	9,23	10,15	12,92	16,61	18,45
128,00	18,45	17,53	15,68	12,92	11,07	9,23	7,38	8,30	9,23	11,99	13,84	15,68	15,68	15,68	13,84	11,99	10,15	8,30	8,30	9,23	10,15	12,92	16,61	18,45
129,00	18,45	17,53	14,76	13,84	11,07	9,23	7,38	8,30	9,23	11,07	13,84	15,68	15,68	14,76	12,92	11,99	10,15	8,30	7,38	9,23	10,15	11,99	15,68	17,53
130,00	18,45	17,53	15,68	12,92	11,07	9,23	8,30	8,30	9,23	11,07	13,84	14,76	15,68	14,76	12,92	11,99	10,15	8,30	7,38	9,23	10,15	11,99	15,68	17,53
131,00	17,53	16,61	14,76	12,92	11,07	9,23	8,30	8,30	9,23	11,07	13,84	14,76	14,76	13,84	12,92	11,99	10,15	8,30	8,30	9,23	10,15	11,99	14,76	16,61
132,00	16,61	15,68	14,76	12,92	11,07	9,23	8,30	8,30	9,23	11,07	12,92	13,84	14,76	13,84	12,92	11,99	10,15	8,30	8,30	9,23	10,15	11,99	13,84	15,68

PN-EN 13032-1																								
Clause	Requirement + Test										Result - Remark						Verdict							

G[*]/C[*]	0,0	15,0	30,0	45,0	60,0	75,0	90,0	105,0	120,0	135,0	150,0	165,0	180,0	195,0	210,0	225,0	240,0	255,0	270,0	285,0	300,0	315,0	330,0	345,0
133,00	16,61	15,68	14,76	12,92	11,07	9,23	8,30	8,30	9,23	10,15	12,92	13,84	14,76	13,84	12,92	11,99	10,15	9,23	8,30	9,23	10,15	11,07	13,84	15,68
134,00	15,68	15,68	13,84	12,92	11,07	9,23	8,30	8,30	9,23	10,15	12,92	13,84	14,76	13,84	12,92	11,99	10,15	9,23	8,30	9,23	10,15	11,99	13,84	15,68
135,00	15,68	14,76	13,84	12,92	11,07	9,23	7,38	8,30	9,23	10,15	11,99	13,84	13,84	13,84	12,92	11,07	10,15	9,23	8,30	9,23	10,15	11,07	12,92	15,68
136,00	15,68	14,76	13,84	12,92	11,07	9,23	8,30	8,30	9,23	10,15	11,99	13,84	13,84	13,84	12,92	11,07	10,15	9,23	8,30	9,23	10,15	11,07	12,92	14,76
137,00	14,76	14,76	13,84	12,92	11,07	9,23	8,30	8,30	9,23	10,15	11,99	13,84	13,84	12,92	11,99	11,99	10,15	9,23	8,30	9,23	10,15	11,07	12,92	14,76
138,00	14,76	14,76	13,84	11,99	11,07	9,23	8,30	8,30	9,23	10,15	11,07	12,92	13,84	12,92	12,92	11,07	10,15	9,23	8,30	9,23	9,23	11,07	11,99	14,76
139,00	14,76	14,76	13,84	11,99	11,07	9,23	8,30	8,30	9,23	10,15	11,07	12,92	13,84	12,92	11,99	11,07	10,15	9,23	8,30	8,30	10,15	11,07	11,99	14,76
140,00	14,76	13,84	12,92	11,99	11,07	9,23	8,30	8,30	9,23	10,15	11,07	12,92	13,84	12,92	11,99	11,07	10,15	9,23	8,30	9,23	9,23	10,15	11,99	14,76
141,00	14,76	13,84	12,92	11,99	11,07	9,23	8,30	8,30	9,23	9,23	11,07	12,92	12,92	12,92	11,99	11,07	10,15	9,23	8,30	9,23	10,15	11,07	11,99	13,84
142,00	13,84	13,84	12,92	11,99	11,07	9,23	8,30	8,30	9,23	9,23	11,07	12,92	12,92	12,92	11,99	11,07	10,15	9,23	8,30	9,23	9,23	10,15	11,07	13,84
143,00	13,84	13,84	12,92	11,99	10,15	9,23	8,30	8,30	9,23	9,23	11,07	11,99	12,92	12,92	11,99	11,07	10,15	9,23	8,30	9,23	10,15	10,15	11,07	12,92
144,00	13,84	13,84	12,92	11,99	11,07	9,23	8,30	8,30	9,23	9,23	11,07	11,99	12,92	12,92	11,99	11,07	10,15	9,23	8,30	9,23	10,15	10,15	11,07	12,92
145,00	13,84	12,92	12,92	11,99	11,07	9,23	8,30	8,30	9,23	9,23	10,15	11,99	12,92	12,92	11,07	11,07	10,15	9,23	8,30	9,23	10,15	10,15	11,07	12,92
146,00	13,84	12,92	11,99	11,99	10,15	9,23	8,30	9,23	8,30	9,23	10,15	11,07	12,92	11,99	11,07	10,15	10,15	9,23	8,30	9,23	9,23	10,15	11,07	11,99
147,00	12,92	12,92	12,92	11,99	10,15	9,23	8,30	8,30	9,23	9,23	10,15	11,07	11,99	11,99	11,07	11,07	10,15	9,23	8,30	9,23	9,23	10,15	11,07	11,99
148,00	12,92	12,92	11,99	11,99	11,07	9,23	8,30	9,23	9,23	9,23	10,15	11,07	11,99	11,99	11,07	11,07	10,15	9,23	8,30	9,23	9,23	10,15	11,07	11,99
149,00	12,92	12,92	11,99	11,07	10,15	9,23	8,30	9,23	9,23	9,23	9,23	11,07	11,99	11,99	11,07	10,15	10,15	9,23	8,30	9,23	9,23	10,15	10,15	11,99
150,00	12,92	11,99	11,99	11,07	11,07	9,23	8,30	9,23	8,30	9,23	9,23	10,15	11,99	11,07	11,07	10,15	10,15	9,23	8,30	9,23	9,23	10,15	10,15	11,07
151,00	12,92	11,99	11,99	11,07	10,15	9,23	8,30	9,23	8,30	9,23	9,23	10,15	11,07	11,07	11,07	10,15	10,15	9,23	8,30	9,23	9,23	10,15	10,15	11,07
152,00	12,92	11,99	11,99	11,07	11,07	9,23	8,30	9,23	9,23	9,23	9,23	10,15	11,07	11,07	11,07	11,07	10,15	9,23	8,30	9,23	9,23	10,15	10,15	11,07
153,00	12,92	11,99	11,99	11,07	11,07	9,23	8,30	9,23	9,23	9,23	9,23	10,15	11,07	11,07	11,07	10,15	10,15	9,23	9,23	9,23	9,23	9,23	10,15	10,15
154,00	11,99	11,99	11,99	11,07	10,15	9,23	8,30	9,23	9,23	9,23	9,23	9,23	11,07	11,07	11,07	10,15	10,15	9,23	8,30	9,23	10,15	10,15	10,15	10,15

PN-EN 13032-1																							
Clause	Requirement + Test											Result - Remark						Verdict					

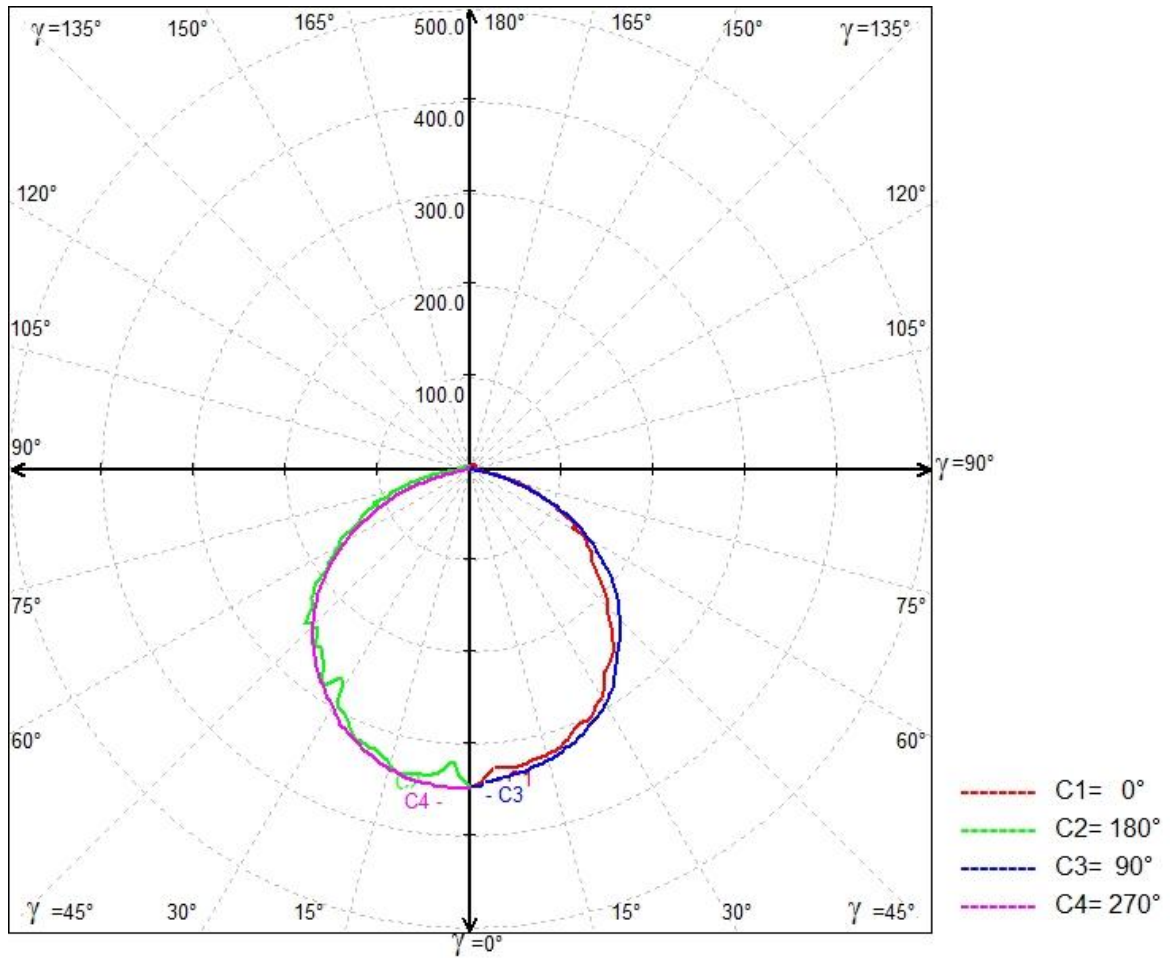
G[*]/C[*]	0,0	15,0	30,0	45,0	60,0	75,0	90,0	105,0	120,0	135,0	150,0	165,0	180,0	195,0	210,0	225,0	240,0	255,0	270,0	285,0	300,0	315,0	330,0	345,0
155,00	11,99	11,99	11,99	11,07	10,15	9,23	8,30	9,23	9,23	9,23	9,23	9,23	11,07	11,07	10,15	10,15	10,15	9,23	8,30	9,23	9,23	10,15	10,15	10,15
156,00	11,99	11,99	11,99	11,07	10,15	9,23	8,30	9,23	9,23	9,23	9,23	9,23	11,07	11,07	10,15	10,15	10,15	9,23	9,23	9,23	10,15	10,15	10,15	10,15
157,00	11,07	11,07	11,07	11,07	10,15	9,23	8,30	9,23	9,23	9,23	9,23	9,23	10,15	11,07	10,15	10,15	10,15	9,23	8,30	9,23	10,15	9,23	10,15	10,15
158,00	10,15	11,99	11,07	11,07	10,15	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	10,15	10,15	10,15	10,15	9,23	9,23	9,23	9,23	9,23	9,23	10,15
159,00	10,15	11,07	11,07	11,07	10,15	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	11,07	10,15	10,15	10,15	9,23	9,23	9,23	9,23	9,23	10,15	10,15
160,00	10,15	11,07	11,07	11,07	10,15	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	10,15	10,15	10,15	10,15	9,23	8,30	9,23	9,23	9,23	9,23	10,15
161,00	10,15	11,07	11,07	11,07	10,15	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	10,15	10,15	10,15	10,15	9,23	9,23	9,23	9,23	9,23	9,23	9,23
162,00	10,15	11,07	11,07	11,07	10,15	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	10,15	10,15	10,15	10,15	9,23	8,30	9,23	9,23	9,23	9,23	9,23
163,00	10,15	10,15	11,07	11,07	10,15	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	10,15	10,15	10,15	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23
164,00	10,15	10,15	10,15	10,15	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	10,15	10,15	10,15	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23
165,00	9,23	10,15	10,15	10,15	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	10,15	10,15	10,15	9,23	8,30	8,30	9,23	9,23	9,23	9,23	9,23
166,00	9,23	10,15	10,15	10,15	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	10,15	10,15	10,15	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23
167,00	9,23	10,15	10,15	10,15	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	10,15	10,15	10,15	9,23	8,30	8,30	9,23	9,23	9,23	9,23	9,23
168,00	9,23	10,15	10,15	10,15	9,23	8,30	8,30	9,23	9,23	9,23	9,23	9,23	9,23	9,23	10,15	10,15	9,23	8,30	8,30	9,23	9,23	9,23	9,23	9,23
169,00	9,23	10,15	10,15	10,15	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	10,15	10,15	10,15	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23
170,00	9,23	9,23	10,15	10,15	9,23	8,30	8,30	9,23	9,23	9,23	9,23	9,23	9,23	9,23	10,15	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23
171,00	9,23	9,23	9,23	9,23	9,23	8,30	8,30	8,30	9,23	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23
172,00	9,23	9,23	9,23	9,23	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23
173,00	9,23	9,23	9,23	9,23	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	8,30
174,00	9,23	9,23	9,23	9,23	9,23	9,23	8,30	8,30	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23
175,00	9,23	9,23	9,23	9,23	9,23	8,30	8,30	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	8,30	8,30	9,23	9,23	9,23	9,23	9,23
176,00	9,23	9,23	9,23	9,23	9,23	9,23	8,30	8,30	9,23	9,23	8,30	9,23	9,23	9,23	9,23	9,23	8,30	8,30	9,23	9,23	9,23	9,23	9,23	9,23

PN-EN 13032-1			
Clause	Requirement + Test	Result - Remark	Verdict

G[°]/C[°]	0,0	15,0	30,0	45,0	60,0	75,0	90,0	105,0	120,0	135,0	150,0	165,0	180,0	195,0	210,0	225,0	240,0	255,0	270,0	285,0	300,0	315,0	330,0	345,0
177,00	9,23	9,23	9,23	9,23	9,23	8,30	8,30	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	9,23	8,30	8,30	9,23	9,23	9,23	9,23	9,23
178,00	9,23	9,23	9,23	9,23	8,30	8,30	8,30	8,30	8,30	9,23	9,23	9,23	8,30	8,30	9,23	8,30	9,23	9,23	9,23	9,23	9,23	9,23	8,30	9,23
179,00	9,23	8,30	8,30	9,23	9,23	9,23	8,30	9,23	9,23	9,23	8,30	8,30	9,23	8,30	8,30	8,30	9,23	8,30	8,30	9,23	8,30	9,23	9,23	9,23
180,00	8,30	8,30	8,30	8,30	9,23	8,30	9,23	8,30	9,23	9,23	8,30	8,30	8,30	8,30	8,30	9,23	8,30	8,30	8,30	8,30	9,23	9,23	8,30	9,23

## PN-EN 13032-1

Clause	Requirement + Test	Result - Remark	Verdict
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Oprawa: Lampa AS LED LD2XBC Źródło: LED

Strumień źr.: 2304 lm

Jednostki: [cd/klm]