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Luminaire Property

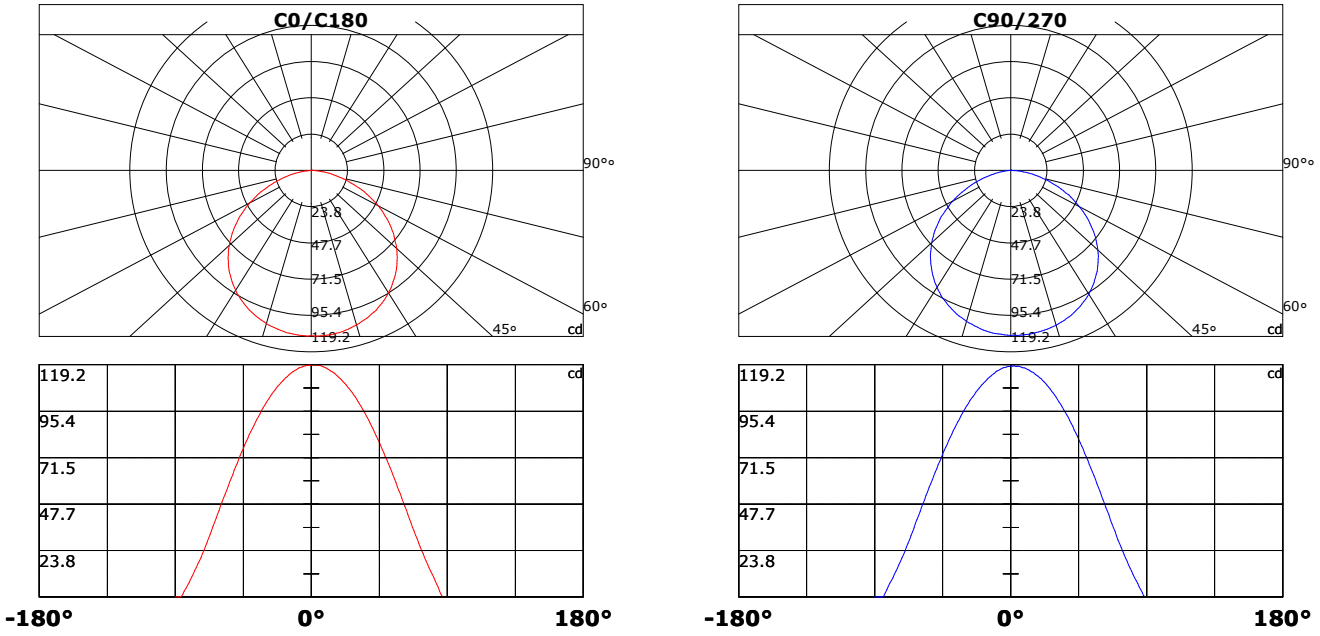
Luminaire Description: B1080-BF
Luminaire Categorie: DOWNLIGHT SLIM 6W
Lamp Categorie: DOWNLIGHT
Lamp Description: BLANCO FRIO 6000K
Number of Lamp: 1
Lamp Lumens(lm): 324.18
Luminous Length(m): 0.12
Luminous Width(m): 0.12
Luminous Height(m): 0.03

Voltage: 230.0 V
Current: 0.056 A
Power: 7.03 W
Power Factor: 0.545
Test Lab: BLED
Photometric Type: Type C
Manufactory: BLED

Photometric Results

CIE Class: Direct
Luminaire Lumens: 324.18 lm
Efficiency: 46.1138 lm/W
Central Intensity: 118.666cd
Max. Intensity: 119.179cd
Field Angle(10%Imax): NA

Max.Intensity Angle: C:0.0 G:2.0
Beam Angle(50%Imax): L: -55.7 R:53.6
Luminaire Efficacy Rating(LER) : 60.0333%
Upward Ratio: NA
Downward Ratio: NA
Beamwidth(50%Imax): H=113.04V=113.49



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Light intensity data Unit[cd]

C\G	G0.0	G1.0	G2.0	G3.0	G4.0	G5.0	G6.0	G7.0	G8.0	G9.0
C0.0	118.7	119.1	119.2	119.0	119.0	118.8	118.8	118.5	118.2	117.9
C45.0	118.7	118.3	118.4	118.6	118.6	118.4	118.4	118.3	118.3	118.0
C90.0	118.7	118.5	118.6	118.5	118.3	118.4	118.2	118.1	117.7	117.6
C135.0	118.7	118.7	118.7	118.6	118.4	118.2	118.0	117.6	117.4	117.0
C180.0	118.7	119.0	119.0	118.8	118.6	118.4	118.1	117.8	117.6	117.1
C225.0	118.7	118.0	117.9	117.5	117.2	116.9	116.5	116.2	115.6	115.1
C270.0	118.7	118.3	118.3	117.9	117.8	117.6	117.3	116.9	116.4	116.0
C315.0	118.7	118.7	118.7	118.6	118.5	118.4	118.2	117.9	117.6	117.3
C360.0	118.7	119.1	119.2	119.0	119.0	118.8	118.8	118.5	118.2	117.9
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	117.5	117.0	116.5	116.0	115.5	115.0	114.3	113.6	112.9	112.2
C45.0	117.9	117.6	117.2	117.0	116.6	116.2	115.7	115.2	114.7	114.2
C90.0	117.3	116.9	116.5	116.0	115.6	115.2	114.6	114.0	113.4	112.6
C135.0	116.7	116.3	115.8	115.3	114.6	114.1	113.4	112.7	112.0	111.3
C180.0	116.6	116.2	115.6	115.1	114.6	113.9	113.1	112.5	111.6	110.9
C225.0	114.6	113.9	113.4	112.7	112.0	111.2	110.6	109.7	108.8	107.8
C270.0	115.5	114.8	114.2	113.5	112.9	112.2	111.4	110.6	109.9	109.0
C315.0	116.9	116.5	116.0	115.5	115.1	114.4	113.9	113.2	112.5	111.8
C360.0	117.5	117.0	116.5	116.0	115.5	115.0	114.3	113.6	112.9	112.2
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	111.4	110.6	109.8	109.0	107.9	107.0	106.0	105.0	103.9	102.8
C45.0	113.4	112.9	112.1	111.4	110.6	109.7	109.0	108.1	107.2	106.1
C90.0	112.0	111.2	110.4	109.5	108.8	107.8	106.8	105.8	104.8	103.8
C135.0	110.4	109.6	108.7	107.8	106.9	105.9	104.7	103.7	102.6	101.4
C180.0	110.1	109.1	108.3	107.3	106.4	105.3	104.2	103.1	101.9	100.8
C225.0	107.0	106.0	104.9	103.8	102.8	101.7	100.4	99.1	98.0	96.6
C270.0	108.0	107.1	106.1	105.2	104.0	103.0	101.9	100.8	99.4	98.3
C315.0	111.0	110.3	109.4	108.6	107.7	106.7	105.7	104.6	103.6	102.4
C360.0	111.4	110.6	109.8	109.0	107.9	107.0	106.0	105.0	103.9	102.8
C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	101.5	100.3	99.1	97.8	96.3	95.0	93.6	92.2	90.7	89.2
C45.0	105.0	104.0	103.0	101.7	100.6	99.4	98.2	97.0	95.4	94.0
C90.0	102.6	101.3	100.2	99.0	97.7	96.3	94.9	93.5	92.1	90.7
C135.0	100.2	98.9	97.5	96.3	94.9	93.4	91.9	90.6	89.0	87.3
C180.0	99.4	98.2	96.9	95.6	94.0	92.6	91.3	89.7	88.1	86.5
C225.0	95.2	93.9	92.5	91.0	89.5	88.1	86.5	84.8	83.0	81.2
C270.0	96.9	95.6	94.3	92.8	91.3	90.0	88.4	86.7	85.3	83.7
C315.0	101.3	100.1	98.8	97.5	96.1	94.9	93.5	92.0	90.5	88.9
C360.0	101.5	100.3	99.1	97.8	96.3	95.0	93.6	92.2	90.7	89.2

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Light intensity data Unit[cd]

C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	87.6	86.0	84.5	82.6	81.1	79.4	77.7	75.7	74.0	72.2
C45.0	92.8	91.3	89.7	88.3	86.6	85.3	83.5	81.8	80.0	78.4
C90.0	89.0	87.6	85.9	84.4	82.6	81.0	79.3	77.4	75.7	73.7
C135.0	85.8	84.2	82.4	80.9	78.8	77.3	75.4	73.7	71.5	69.8
C180.0	84.9	83.4	81.6	79.8	78.1	76.3	74.6	72.7	70.5	68.8
C225.0	79.5	77.8	75.8	74.0	71.8	70.0	67.9	65.8	63.5	61.5
C270.0	82.0	80.4	78.6	76.9	75.2	73.4	71.6	69.6	67.8	66.0
C315.0	87.4	85.8	84.3	82.5	80.9	79.0	77.1	75.0	72.9	70.8
C360.0	87.6	86.0	84.5	82.6	81.1	79.4	77.7	75.7	74.0	72.2

C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	70.5	68.6	66.6	64.6	62.9	60.7	58.7	56.6	54.6	52.7
C45.0	76.7	74.7	73.0	71.1	69.3	67.4	65.5	63.6	61.7	59.8
C90.0	72.0	70.2	68.2	66.2	64.4	62.4	60.4	58.2	56.3	54.3
C135.0	67.8	66.0	63.9	61.9	60.0	58.0	56.0	53.8	51.6	49.8
C180.0	66.9	65.1	62.7	60.9	59.0	57.1	54.8	52.8	50.9	48.7
C225.0	59.8	58.0	56.0	53.7	51.6	49.7	47.5	45.3	43.2	41.2
C270.0	64.1	62.0	60.1	58.2	56.3	54.0	52.1	50.0	48.0	46.0
C315.0	68.5	66.8	65.1	63.4	61.4	59.2	56.8	54.8	52.9	50.8
C360.0	70.5	68.6	66.6	64.6	62.9	60.7	58.7	56.6	54.6	52.7

C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	50.7	48.5	46.4	44.4	42.3	40.2	38.1	36.0	34.1	31.8
C45.0	57.5	55.6	53.6	51.6	49.7	47.3	45.4	43.3	41.4	39.2
C90.0	52.4	50.0	48.0	46.1	44.0	42.1	39.4	37.7	35.6	33.7
C135.0	47.6	45.4	43.3	41.2	39.3	37.1	34.9	32.6	30.9	28.7
C180.0	46.9	44.4	42.4	40.5	38.3	36.5	34.0	32.0	30.1	27.9
C225.0	39.3	37.0	35.1	33.0	30.9	29.0	26.8	24.8	23.1	21.2
C270.0	43.9	41.8	39.8	37.8	35.6	33.5	31.5	29.5	27.6	25.6
C315.0	48.7	46.4	44.7	42.7	40.4	38.3	36.3	34.1	32.2	30.0
C360.0	50.7	48.5	46.4	44.4	42.3	40.2	38.1	36.0	34.1	31.8

C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	30.0	27.7	25.8	23.8	22.2	20.2	18.4	16.8	15.0	13.4
C45.0	37.0	35.0	33.0	30.9	28.8	27.0	24.9	23.0	21.3	19.6
C90.0	31.5	29.3	27.5	25.5	23.6	21.9	19.9	18.2	16.5	14.8
C135.0	26.8	24.8	22.8	21.1	19.3	17.6	15.8	14.0	12.4	10.9
C180.0	26.2	24.1	22.2	20.4	18.7	17.2	15.2	13.6	12.0	10.4
C225.0	19.6	17.9	16.0	14.4	12.7	11.0	9.4	7.9	6.3	4.9
C270.0	23.8	21.8	20.0	18.2	16.5	14.9	13.2	11.6	10.0	8.4
C315.0	28.0	26.1	24.1	22.4	20.6	18.6	17.1	15.3	13.7	12.0
C360.0	30.0	27.7	25.8	23.8	22.2	20.2	18.4	16.8	15.0	13.4

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C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	11.8	10.1	8.4	6.7	5.0	3.0	1.2	0.0	0.0	0.0
C45.0	17.8	16.0	14.4	12.7	11.1	9.4	7.8	6.3	4.8	3.2
C90.0	13.2	11.5	9.9	8.4	6.9	5.4	3.8	2.5	0.7	0.0
C135.0	9.3	7.8	6.4	4.8	3.6	2.1	0.7	0.0	0.0	0.0
C180.0	8.8	7.3	5.8	4.3	3.0	1.5	0.2	0.0	0.0	0.0
C225.0	3.5	2.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C270.0	7.1	5.4	3.8	2.1	0.3	0.0	0.0	0.0	0.0	0.0
C315.0	10.4	8.8	7.3	5.7	4.3	2.8	1.1	0.0	0.0	0.0
C360.0	11.8	10.1	8.4	6.7	5.0	3.0	1.2	0.0	0.0	0.0
C\G	**G90.0**									
C0.0	0.0									
C45.0	1.5									
C90.0	0.0									
C135.0	0.0									
C180.0	0.0									
C225.0	0.0									
C270.0	0.0									
C315.0	0.0									
C360.0	0.0									

Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	118.67	0.00	0.00	0.00	0.00
0.0-1.0	118.60	0.11	0.11	0.02	0.02
1.0-2.0	118.57	0.34	0.45	0.06	0.08
2.0-3.0	118.44	0.57	1.02	0.10	0.19
3.0-4.0	118.31	0.79	1.81	0.15	0.34
4.0-5.0	118.13	1.02	2.83	0.19	0.52
5.0-6.0	117.94	1.24	4.07	0.23	0.75
6.0-7.0	117.65	1.46	5.53	0.27	1.02
7.0-8.0	117.34	1.68	7.22	0.31	1.34
8.0-9.0	116.99	1.90	9.11	0.35	1.69
9.0-10.0	116.62	2.11	11.23	0.39	2.08
10.0-11.0	116.14	2.33	13.55	0.43	2.51
11.0-12.0	115.66	2.53	16.09	0.47	2.98
12.0-13.0	115.14	2.74	18.83	0.51	3.49
13.0-14.0	114.59	2.94	21.77	0.54	4.03
14.0-15.0	114.01	3.14	24.91	0.58	4.61
15.0-16.0	113.37	3.33	28.24	0.62	5.23
16.0-17.0	112.70	3.52	31.76	0.65	5.88
17.0-18.0	111.97	3.70	35.46	0.69	6.57
18.0-19.0	111.23	3.88	39.35	0.72	7.29
19.0-20.0	110.43	4.06	43.40	0.75	8.04
20.0-21.0	109.59	4.22	47.63	0.78	8.82
21.0-22.0	108.72	4.39	52.01	0.81	9.63
22.0-23.0	107.83	4.54	56.56	0.84	10.47
23.0-24.0	106.89	4.69	61.25	0.87	11.34
24.0-25.0	105.87	4.84	66.09	0.90	12.24
25.0-26.0	104.84	4.97	71.06	0.92	13.16
26.0-27.0	103.77	5.10	76.17	0.95	14.11
27.0-28.0	102.66	5.23	81.39	0.97	15.07
28.0-29.0	101.52	5.34	86.74	0.99	16.06
29.0-30.0	100.27	5.45	92.18	1.01	17.07
30.0-31.0	99.03	5.55	97.73	1.03	18.10
31.0-32.0	97.79	5.64	103.37	1.04	19.14
32.0-33.0	96.46	5.72	109.09	1.06	20.20
33.0-34.0	95.06	5.80	114.89	1.07	21.28
34.0-35.0	93.71	5.86	120.75	1.09	22.36
35.0-36.0	92.29	5.92	126.67	1.10	23.46
36.0-37.0	90.83	5.97	132.64	1.11	24.56
37.0-38.0	89.26	6.01	138.66	1.11	25.68
38.0-39.0	87.70	6.04	144.70	1.12	26.80
39.0-40.0	86.12	6.06	150.76	1.12	27.92

Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	84.56	6.08	156.84	1.13	29.04
41.0-42.0	82.85	6.08	162.92	1.13	30.17
42.0-43.0	81.18	6.08	168.99	1.13	31.30
43.0-44.0	79.39	6.06	175.05	1.12	32.42
44.0-45.0	77.69	6.04	181.09	1.12	33.54
45.0-46.0	75.89	6.01	187.10	1.11	34.65
46.0-47.0	73.97	5.96	193.06	1.10	35.75
47.0-48.0	71.99	5.90	198.96	1.09	36.84
48.0-49.0	70.15	5.84	204.79	1.08	37.92
49.0-50.0	68.28	5.77	210.57	1.07	38.99
50.0-51.0	66.42	5.70	216.27	1.06	40.05
51.0-52.0	64.45	5.62	221.88	1.04	41.09
52.0-53.0	62.49	5.52	227.40	1.02	42.11
53.0-54.0	60.62	5.43	232.83	1.00	43.12
54.0-55.0	58.55	5.32	238.15	0.99	44.10
55.0-56.0	56.47	5.20	243.35	0.96	45.06
56.0-57.0	54.38	5.07	248.41	0.94	46.00
57.0-58.0	52.38	4.94	253.35	0.91	46.92
58.0-59.0	50.40	4.81	258.16	0.89	47.81
59.0-60.0	48.37	4.67	262.82	0.86	48.67
60.0-61.0	46.15	4.51	267.33	0.84	49.51
61.0-62.0	44.16	4.35	271.69	0.81	50.31
62.0-63.0	42.15	4.20	275.88	0.78	51.09
63.0-64.0	40.06	4.03	279.92	0.75	51.84
64.0-65.0	37.98	3.86	283.78	0.72	52.55
65.0-66.0	35.78	3.68	287.46	0.68	53.23
66.0-67.0	33.76	3.50	290.96	0.65	53.88
67.0-68.0	31.89	3.33	294.28	0.62	54.50
68.0-69.0	29.76	3.15	297.43	0.58	55.08
69.0-70.0	27.86	2.96	300.39	0.55	55.63
70.0-71.0	25.83	2.78	303.16	0.51	56.14
71.0-72.0	23.92	2.59	305.75	0.48	56.62
72.0-73.0	22.09	2.41	308.16	0.45	57.07
73.0-74.0	20.30	2.23	310.38	0.41	57.48
74.0-75.0	18.56	2.05	312.44	0.38	57.86
75.0-76.0	16.76	1.87	314.31	0.35	58.21
76.0-77.0	15.06	1.70	316.01	0.31	58.52
77.0-78.0	13.39	1.52	317.53	0.28	58.80
78.0-79.0	11.81	1.35	318.88	0.25	59.05
79.0-80.0	10.24	1.19	320.07	0.22	59.27
80.0-81.0	8.61	1.02	321.09	0.19	59.46

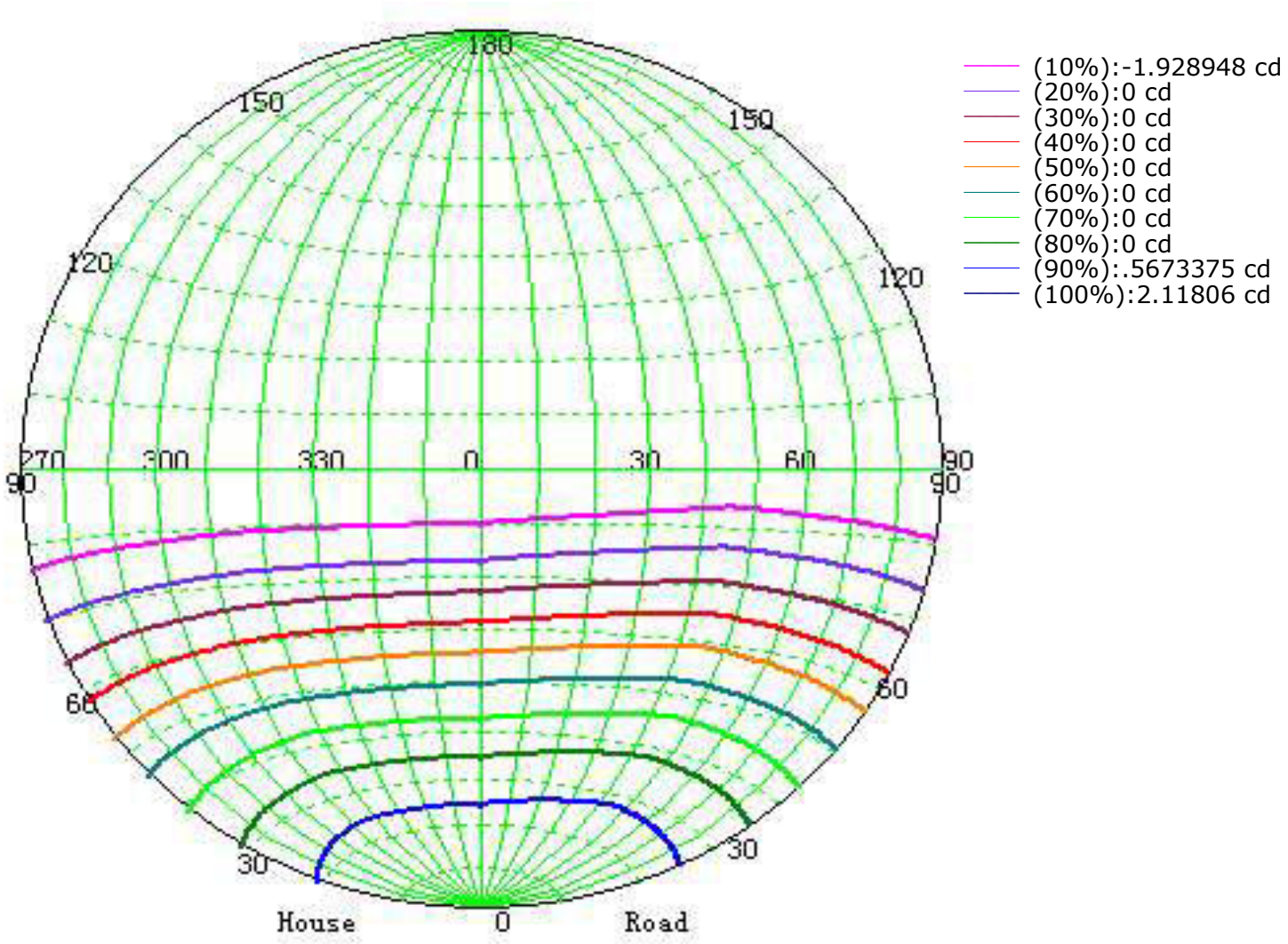
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Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
81.0-82.0	7.04	0.85	321.94	0.16	59.62
82.0-83.0	5.60	0.69	322.63	0.13	59.75
83.0-84.0	4.28	0.54	323.17	0.10	59.85
84.0-85.0	3.02	0.40	323.56	0.07	59.92
85.0-86.0	1.85	0.27	323.83	0.05	59.97
86.0-87.0	1.10	0.16	323.99	0.03	60.00
87.0-88.0	0.69	0.10	324.09	0.02	60.02
88.0-89.0	0.40	0.06	324.15	0.01	60.03
89.0-90.0	0.18	0.03	324.18	0.01	60.03

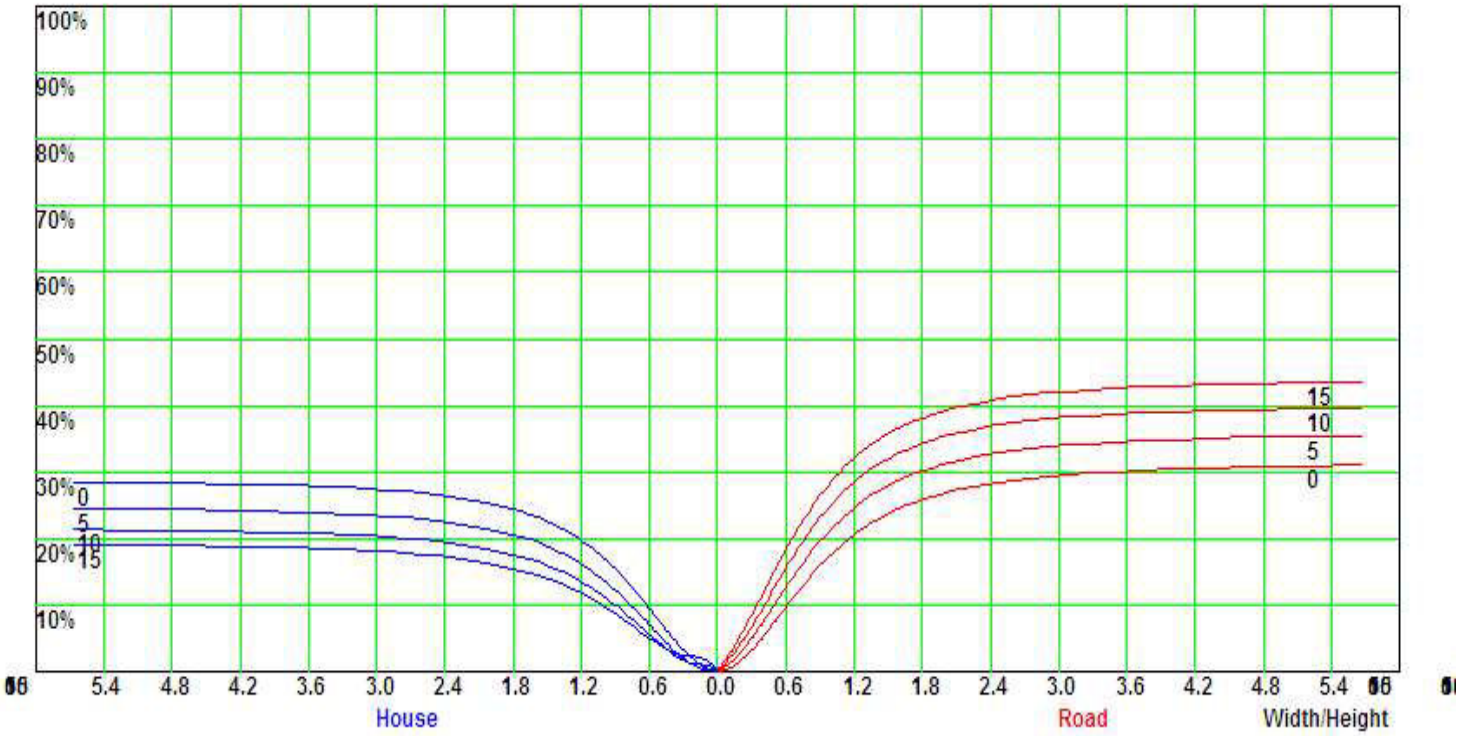
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Iso-Candela [cd]



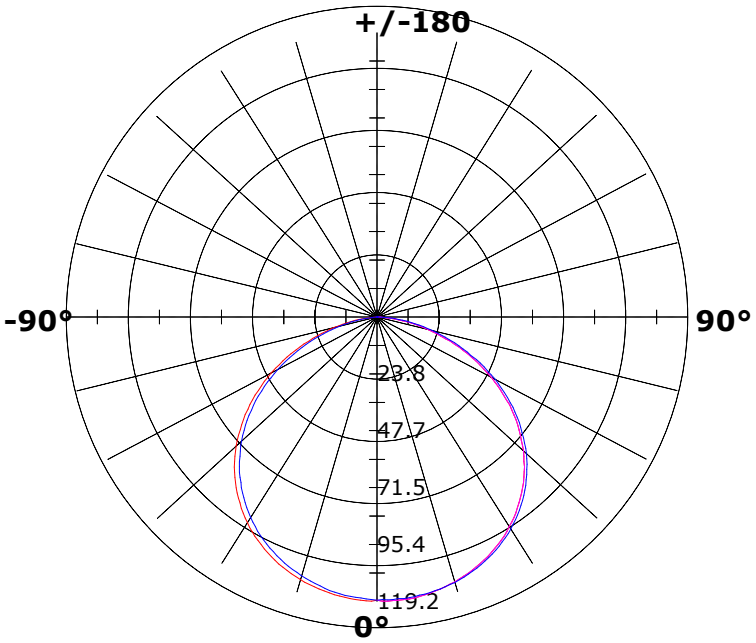
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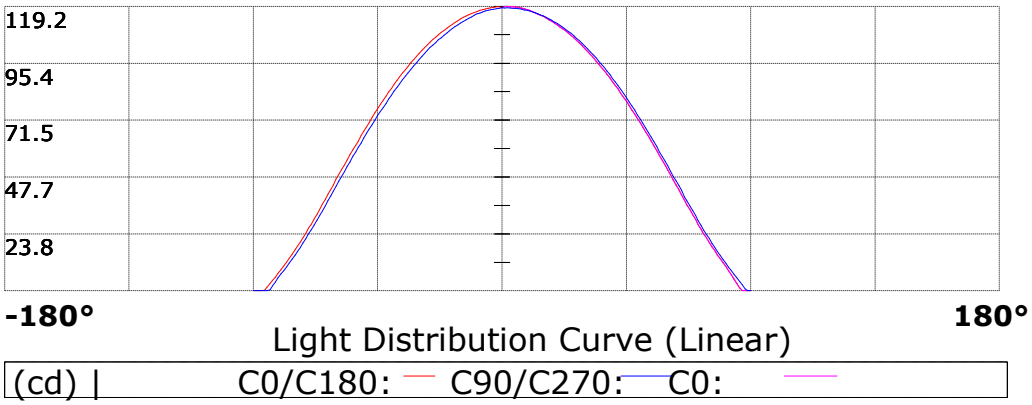
Coefficient Utilization Curve



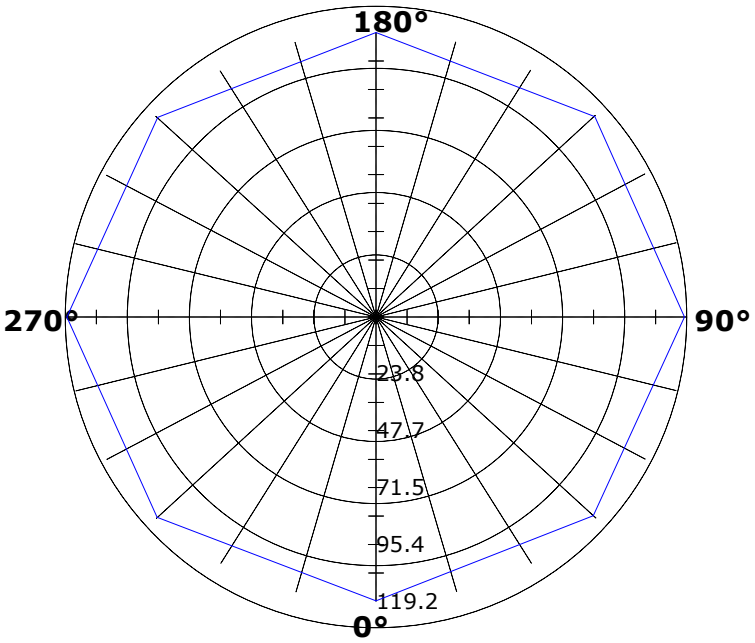
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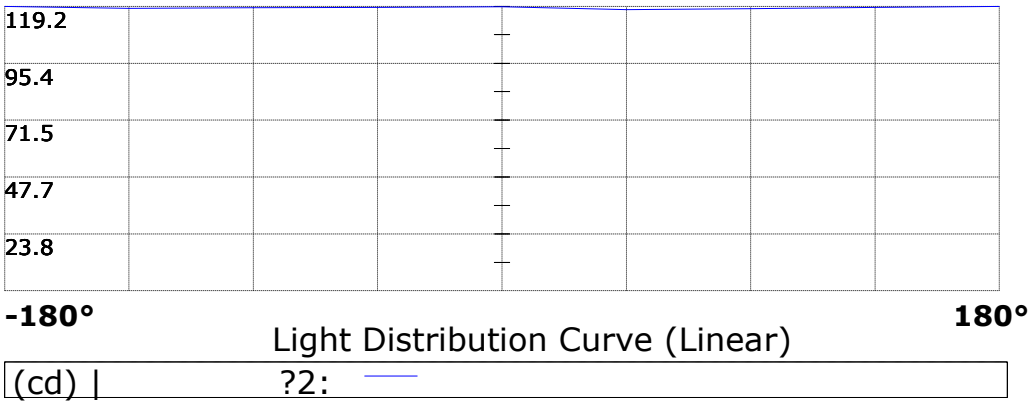
Light Distribution Curve [Unit: cd]



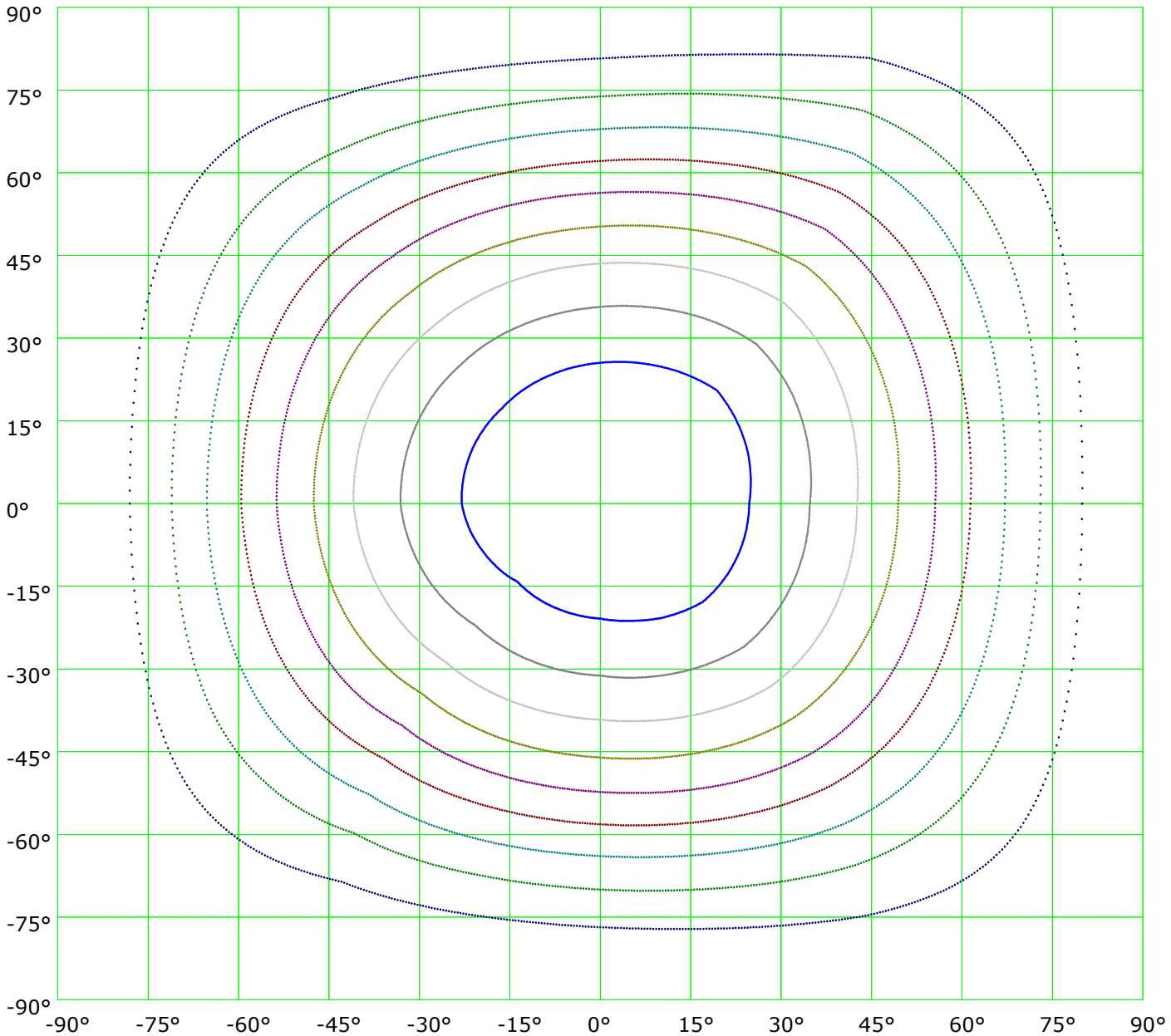


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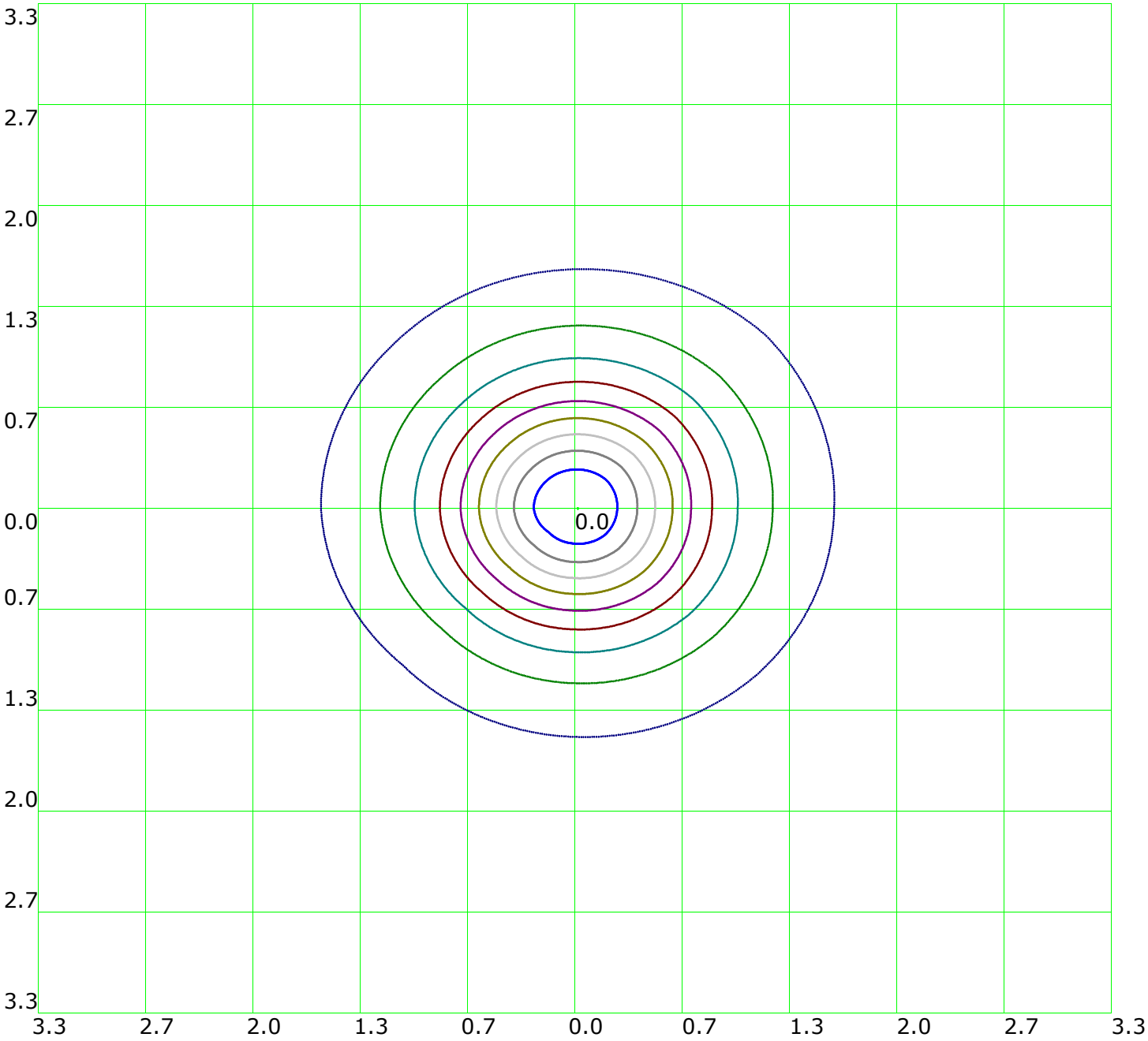
Isocandela(rectangle)



(10%): 11.9cd (20%): 23.8cd (30%): 35.8cd (40%): 47.7cd
(50%): 59.6cd (60%): 71.5cd (70%): 83.4cd (80%): 95.3cd
(90%): 107.3cd (100%): 119.2cd

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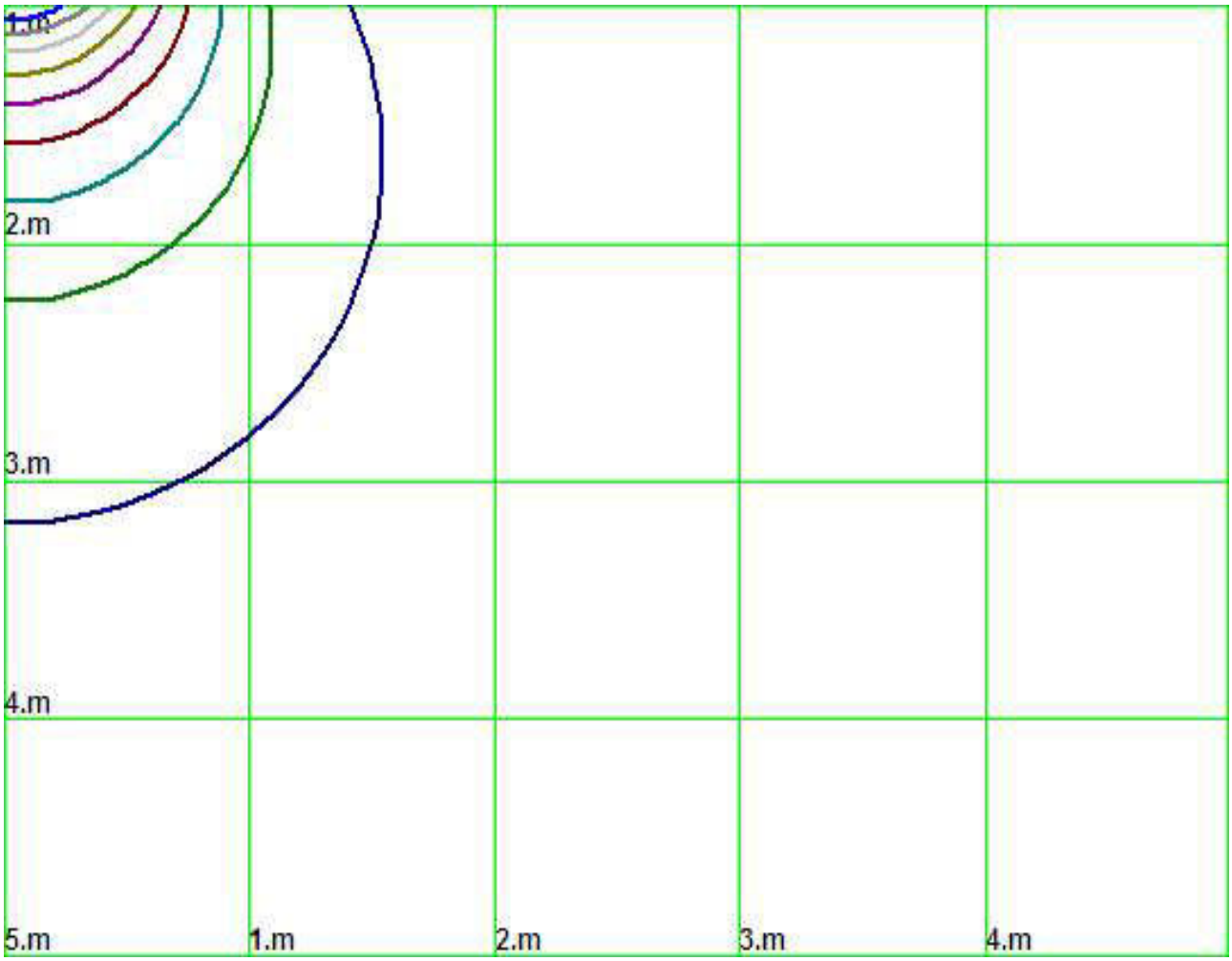
Isolx curve



Height: 1 m

(10%): 11.9lx (20%): 23.8lx (30%): 35.8lx (40%): 47.7lx
(50%): 59.6lx (60%): 71.5lx (70%): 83.4lx (80%): 95.3lx
(90%): 107.3lx (100%): 119.1lx

Space Isolx Curve



(10%): 11.9lx (20%): 23.8lx (30%): 35.8lx (40%): 47.7lx
(50%): 59.6lx (60%): 71.5lx (70%): 83.4lx (80%): 95.3lx
(90%): 107.3lx (100%): 119.1lx

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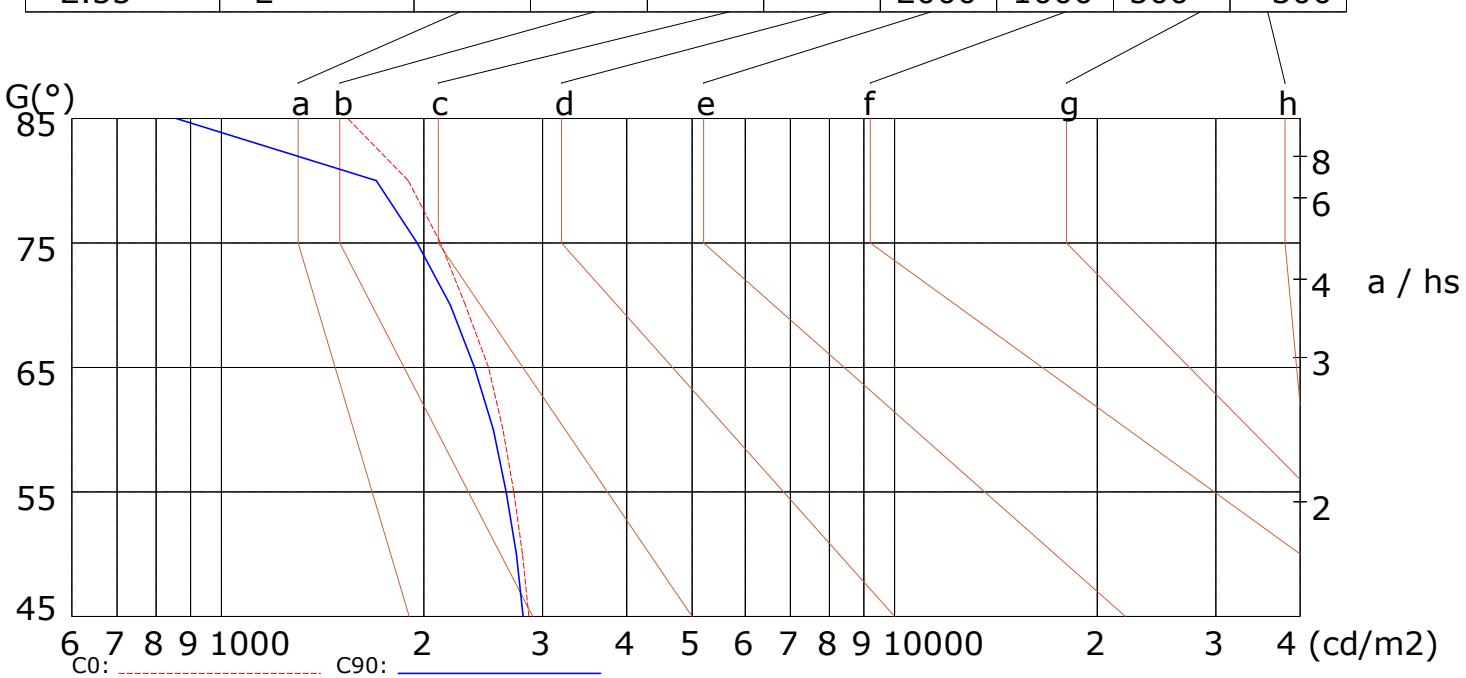
Luminance Limitting Curve

Diameter: 120mm
Length: 120mm
Width: 120mm
Height: 30mm

(cd/m2)

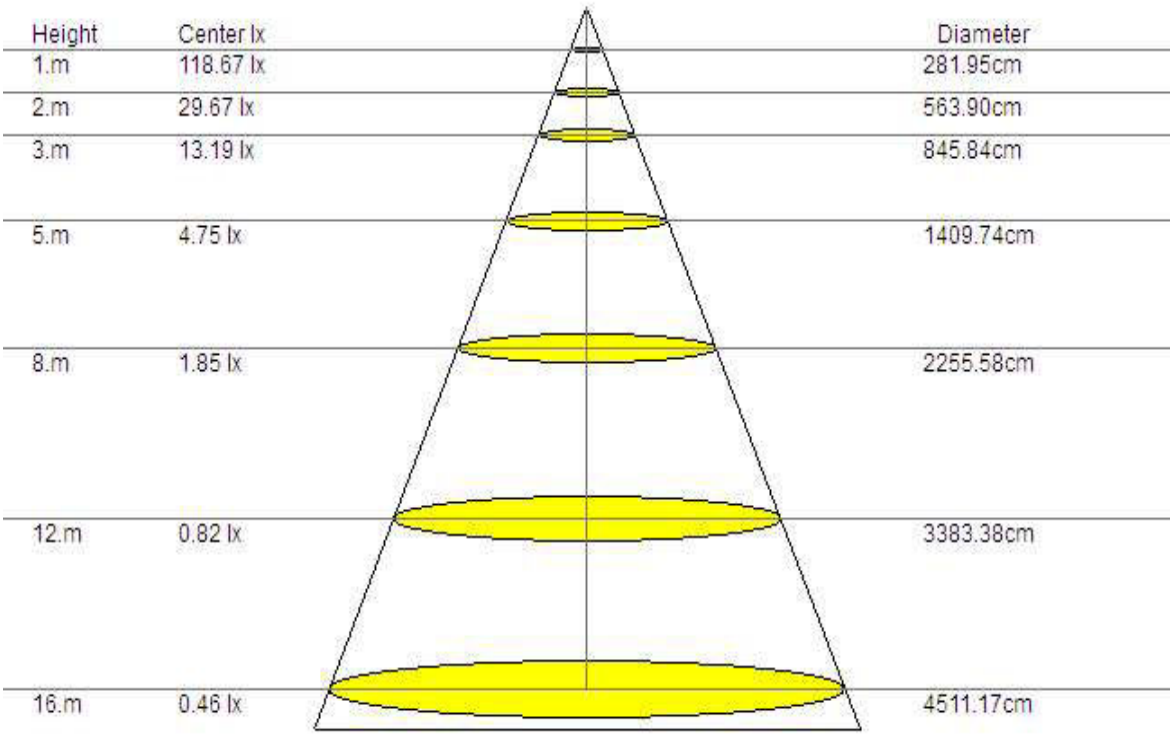
?	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	2863	2799	2718	2619	2492	2306	2115	1895	1541
C90	2807	2742	2648	2534	2376	2190	1955	1699	857

Glare	Quality	Service Values Illuminance (lx)							
1.15	A	2000	1000	500	=300				
1.5	B		2000	1000	500	=300			
1.85	C			2000	1000	500	=300		
2.2	D				2000	1000	500	=300	
2.55	E					2000	1000	500	=300



Lum. Limitting Curve (C0/C90)

Lux-Distance Curve



Beam Angle:109.30°(50%Imax)

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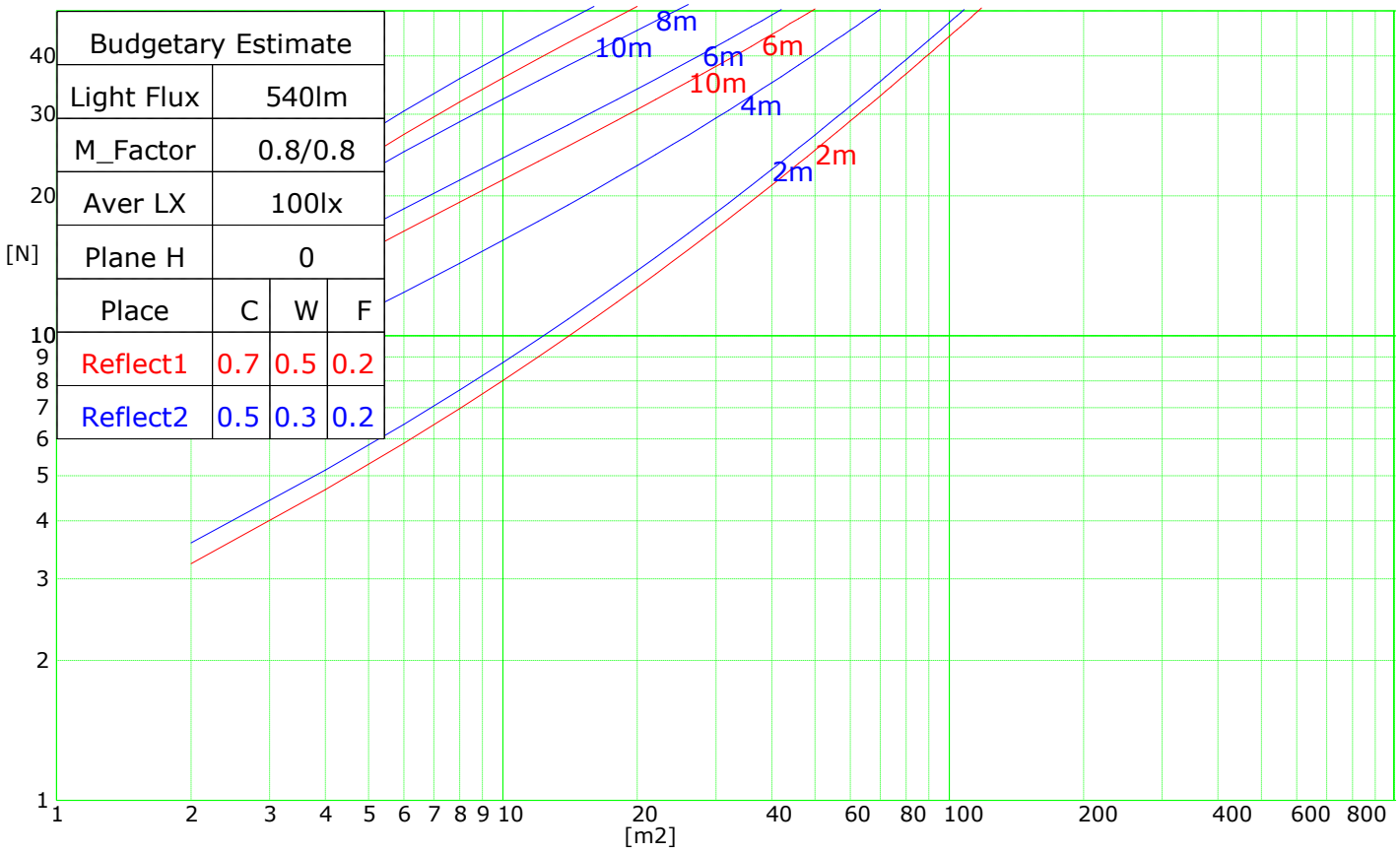
Cofficiencts of Utilization

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION FOR RHOFC=20															
0	0.71	0.71	0.71	0.70	0.70	0.70	0.67	0.67	0.67	0.64	0.64	0.64	0.61	0.61	0.61	0.60
1	0.63	0.62	0.61	0.62	0.61	0.60	0.60	0.59	0.58	0.57	0.56	0.55	0.53	0.52	0.51	0.48
2	0.54	0.52	0.51	0.53	0.52	0.50	0.52	0.50	0.48	0.50	0.48	0.46	0.47	0.45	0.43	0.40
3	0.46	0.44	0.43	0.46	0.44	0.43	0.45	0.43	0.41	0.44	0.41	0.39	0.42	0.39	0.36	0.34
4	0.40	0.38	0.37	0.40	0.38	0.36	0.40	0.37	0.35	0.39	0.36	0.33	0.38	0.34	0.31	0.29
5	0.35	0.33	0.32	0.35	0.33	0.32	0.35	0.32	0.30	0.35	0.32	0.29	0.34	0.30	0.27	0.25
6	0.31	0.29	0.28	0.31	0.29	0.28	0.32	0.29	0.27	0.32	0.28	0.25	0.31	0.27	0.24	0.22
7	0.27	0.26	0.25	0.28	0.26	0.24	0.29	0.26	0.24	0.29	0.25	0.22	0.29	0.24	0.21	0.19
8	0.25	0.23	0.22	0.25	0.23	0.22	0.26	0.23	0.21	0.26	0.23	0.20	0.26	0.22	0.19	0.17
9	0.22	0.21	0.20	0.23	0.21	0.20	0.24	0.21	0.19	0.24	0.21	0.18	0.24	0.20	0.17	0.16
10	0.20	0.19	0.18	0.21	0.19	0.18	0.22	0.19	0.17	0.22	0.19	0.16	0.23	0.19	0.16	0.14

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Indoor Budgetary Estimate Chart

Budgetary Estimate			
Light Flux	540lm		
M_Factor	0.8/0.8		
Aver LX	100lx		
Plane H	0		
Place	C	W	F
Reflect1	0.7	0.5	0.2
Reflect2	0.5	0.3	0.2



UGR Glare Index

Ceiling		70	70	50	50	30	70	70	50	50	30
Wall		50	30	50	30	30	50	30	50	30	30
Floor		20	20	20	20	20	20	20	20	20	20
Room Size		Weft to light axis direction of observation					Direction of light axis parallel observation				
X	Y										
2H	2H	14.7	15.9	15.0	16.0	16.5	14.5	15.8	14.8	15.9	16.4
	3H	16.4	17.4	16.6	17.7	18.0	16.1	17.3	16.6	17.8	18.0
	4H	17.1	18.0	17.4	18.6	18.7	17.0	17.9	17.2	18.6	18.7
	6H	17.5	18.6	18.0	18.8	19.1	17.4	18.4	17.8	18.8	19.0
	8H	17.9	18.9	18.1	18.9	19.4	17.7	18.7	18.0	19.0	19.3
	12H	18.0	18.9	18.3	19.3	19.6	17.8	18.8	18.1	19.2	19.6
4H	2H	15.8	16.7	15.7	16.9	17.1	15.7	16.6	15.7	16.8	17.1
	3H	17.4	18.3	17.7	18.4	18.9	17.3	18.3	17.6	18.5	18.7
	4H	18.1	19.1	18.5	19.2	19.6	18.0	18.9	18.4	19.1	19.4
	6H	18.9	19.6	19.1	19.7	20.1	18.6	19.4	19.1	19.8	20.0
	8H	19.0	19.7	19.4	19.9	20.4	18.9	19.6	19.4	20.0	20.3
	12H	19.3	19.9	19.6	20.0	20.4	19.1	19.8	19.5	20.2	20.4
8H	4H	18.6	19.1	18.8	19.3	19.9	18.4	19.1	18.7	19.3	19.9
	6H	19.4	19.9	19.7	20.2	20.5	19.3	19.8	19.7	20.3	20.5
	8H	19.7	20.1	20.2	20.5	20.9	19.6	20.0	20.0	20.4	20.9
	12H	20.0	20.4	20.4	20.8	21.2	19.8	20.3	20.3	20.8	21.2
12H	4H	18.6	19.1	19.1	19.4	19.9	18.4	19.1	18.9	19.5	19.8
	6H	19.5	19.9	19.9	20.3	20.6	19.5	20.0	19.8	20.3	20.6
	8H	19.8	20.4	20.4	20.5	21.0	19.7	20.2	20.3	20.5	21.1