



## Luminaire Property

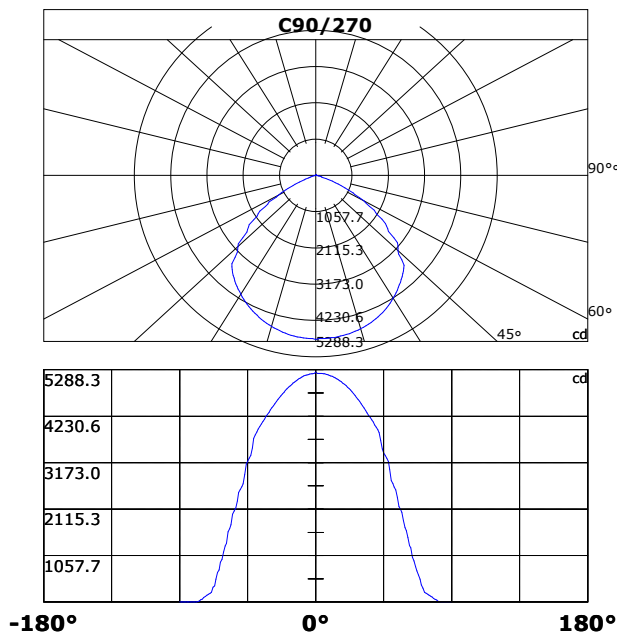
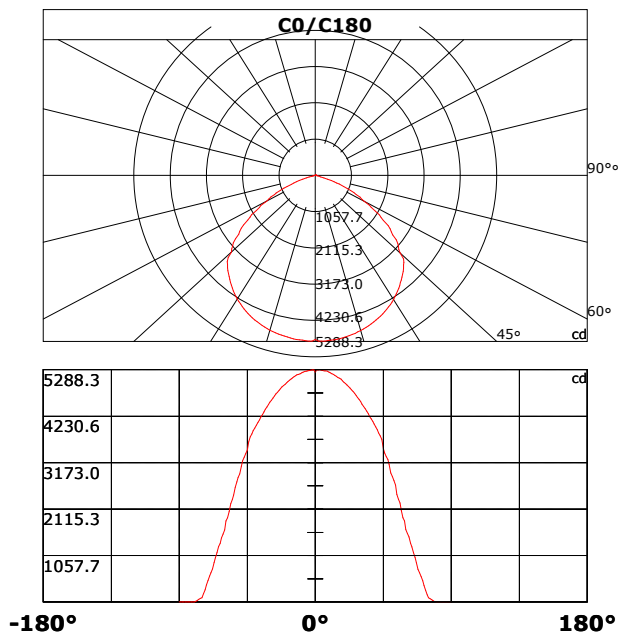
Luminaire Description: B1849-BF  
 Luminaire Categorie: LED FLOODLIGHT PRO 100W  
 Lamp Categorie: LED  
 Lamp Description: BLANCO FRIO 5000K  
 Number of Lamp: 1  
 Lamp Lumens(lm): NA  
 Luminous Length(m): 0.253  
 Luminous Width(m): 0.28  
 Luminous Height(m): 0.076

Voltage: 228.8 V  
 Current: 0.44 A  
 Power: 99.1 W  
 Power Factor: 0.984  
 Test Lab: BLED  
 Photometric Type: Type C  
 Manufactory:

## Photometric Results

CIE Class: Direct  
 Effective Luminous Flux: 12477.08 lm  
 Efficiency: 127.9958 lm/W  
 Central Intensity: 5231.194cd  
 Max. Intensity: 5288.319cd  
 Field Angle(10%Imax): NA

Max.Intensity Angle: C:0.0 G:3.0  
 Beam Angle(50%Imax): L: -55.7 R:50.1  
 Luminaire Efficacy Rating(LER) : 100.00%  
 Upward Ratio: NA  
 Downward Ratio: NA  
 Beamwidth(50%Imax): H=110.28V=110.93





## Light intensity data Unit[cd]

<b>C\G</b>	<b>G0.0</b>	<b>G1.0</b>	<b>G2.0</b>	<b>G3.0</b>	<b>G4.0</b>	<b>G5.0</b>	<b>G6.0</b>	<b>G7.0</b>	<b>G8.0</b>	<b>G9.0</b>
<b>C0.0</b>	5231.2	5281.7	5287.2	5288.3	5277.6	5273.7	5264.9	5260.8	5252.3	5233.9
<b>C45.0</b>	5231.2	5178.4	5181.6	5177.8	5180.3	5180.5	5174.2	5166.3	5160.5	5155.3
<b>C90.0</b>	5231.2	5204.7	5206.9	5205.9	5202.8	5195.7	5193.5	5184.9	5172.3	5162.9
<b>C135.0</b>	5231.2	5242.1	5245.2	5238.3	5233.9	5228.4	5219.1	5210.3	5196.8	5188.0
<b>C180.0</b>	5231.2	5283.6	5285.3	5280.9	5269.6	5263.3	5257.0	5247.6	5235.5	5218.5
<b>C225.0</b>	5231.2	5166.5	5160.2	5155.5	5145.9	5130.5	5123.4	5105.8	5086.2	5070.9
<b>C270.0</b>	5231.2	5205.3	5201.7	5196.2	5192.9	5178.1	5170.7	5161.0	5146.7	5127.2
<b>C315.0</b>	5231.2	5244.6	5242.9	5242.7	5236.9	5229.2	5221.8	5212.7	5200.3	5188.3
<b>C360.0</b>	5231.2	5281.7	5287.2	5288.3	5277.6	5273.7	5264.9	5260.8	5252.3	5233.9
<b>C\G</b>	<b>G10.0</b>	<b>G11.0</b>	<b>G12.0</b>	<b>G13.0</b>	<b>G14.0</b>	<b>G15.0</b>	<b>G16.0</b>	<b>G17.0</b>	<b>G18.0</b>	<b>G19.0</b>
<b>C0.0</b>	5214.7	5202.0	5184.4	5164.3	5138.2	5113.5	5093.4	5070.3	5039.0	5005.1
<b>C45.0</b>	5145.9	5137.4	5125.0	5108.5	5090.9	5076.6	5052.7	5035.7	5010.9	4992.5
<b>C90.0</b>	5148.1	5137.1	5120.1	5100.5	5082.7	5059.3	5036.5	5012.6	4981.5	4957.0
<b>C135.0</b>	5171.2	5152.2	5139.9	5114.8	5093.4	5072.5	5049.7	5023.6	4993.6	4966.7
<b>C180.0</b>	5201.7	5184.4	5174.0	5154.1	5130.0	5104.9	5081.0	5054.4	5024.4	4991.9
<b>C225.0</b>	5050.8	5033.7	5008.2	4985.1	4959.3	4927.9	4903.1	4868.8	4840.5	4805.8
<b>C270.0</b>	5104.1	5084.3	5061.0	5034.8	5009.0	4984.8	4951.5	4922.1	4888.1	4854.2
<b>C315.0</b>	5173.1	5157.7	5139.6	5120.9	5095.0	5072.5	5052.7	5028.8	4998.6	4971.6
<b>C360.0</b>	5214.7	5202.0	5184.4	5164.3	5138.2	5113.5	5093.4	5070.3	5039.0	5005.1
<b>C\G</b>	<b>G20.0</b>	<b>G21.0</b>	<b>G22.0</b>	<b>G23.0</b>	<b>G24.0</b>	<b>G25.0</b>	<b>G26.0</b>	<b>G27.0</b>	<b>G28.0</b>	<b>G29.0</b>
<b>C0.0</b>	4973.0	4941.7	4902.9	4868.8	4831.4	4793.2	4751.9	4702.2	4660.7	4616.1
<b>C45.0</b>	4964.7	4936.7	4906.5	4879.0	4845.4	4808.8	4774.2	4737.1	4701.9	4657.4
<b>C90.0</b>	4927.1	4891.3	4863.0	4824.3	4790.4	4744.3	4703.6	4661.5	4614.8	4570.0
<b>C135.0</b>	4932.6	4901.2	4870.7	4831.9	4793.2	4745.6	4709.1	4665.1	4623.6	4573.3
<b>C180.0</b>	4959.3	4930.4	4898.5	4858.1	4817.9	4777.2	4738.2	4692.6	4641.4	4594.4
<b>C225.0</b>	4771.8	4727.5	4689.5	4650.5	4609.0	4566.7	4514.4	4466.0	4417.4	4368.7
<b>C270.0</b>	4817.1	4775.9	4738.5	4696.7	4657.4	4613.1	4563.3	4514.1	4469.0	4425.3
<b>C315.0</b>	4938.3	4911.4	4871.5	4835.2	4799.5	4761.3	4716.2	4669.2	4628.3	4584.8
<b>C360.0</b>	4973.0	4941.7	4902.9	4868.8	4831.4	4793.2	4751.9	4702.2	4660.7	4616.1
<b>C\G</b>	<b>G30.0</b>	<b>G31.0</b>	<b>G32.0</b>	<b>G33.0</b>	<b>G34.0</b>	<b>G35.0</b>	<b>G36.0</b>	<b>G37.0</b>	<b>G38.0</b>	<b>G39.0</b>
<b>C0.0</b>	4566.4	4507.3	4456.7	4404.5	4345.1	4291.5	4223.3	4168.8	4112.5	4052.0
<b>C45.0</b>	4611.5	4567.7	4524.3	4475.7	4418.5	4373.1	4317.6	4261.2	4206.5	4142.4
<b>C90.0</b>	4514.1	4467.2	4414.9	4359.9	4309.1	4251.6	4205.7	4146.8	4095.7	4033.6
<b>C135.0</b>	4521.0	4468.0	4421.8	4368.2	4303.3	4250.8	4186.2	4121.9	4058.3	3986.0
<b>C180.0</b>	4548.5	4495.4	4441.3	4390.2	4330.5	4266.4	4212.3	4151.8	4086.7	4025.6
<b>C225.0</b>	4307.4	4256.6	4195.5	4133.1	4077.3	4011.3	3939.6	3873.3	3799.4	3721.5
<b>C270.0</b>	4371.2	4317.3	4272.2	4220.3	4164.7	4110.6	4049.3	3993.5	3936.5	3867.8
<b>C315.0</b>	4537.0	4481.7	4432.2	4373.1	4318.1	4259.0	4198.0	4136.7	4070.1	4003.9
<b>C360.0</b>	4566.4	4507.3	4456.7	4404.5	4345.1	4291.5	4223.3	4168.8	4112.5	4052.0



### Light intensity data Unit[cd]

<b>C\G</b>	<b>G40.0</b>	<b>G41.0</b>	<b>G42.0</b>	<b>G43.0</b>	<b>G44.0</b>	<b>G45.0</b>	<b>G46.0</b>	<b>G47.0</b>	<b>G48.0</b>	<b>G49.0</b>
<b>C0.0</b>	3988.2	3920.6	3848.0	3784.0	3702.3	3495.3	3388.6	3313.8	3244.3	3128.0
<b>C45.0</b>	4080.0	4019.3	3956.1	3888.7	3816.4	3757.8	3681.7	3619.6	3543.7	3474.1
<b>C90.0</b>	3977.5	3920.6	3856.0	3675.6	3483.2	3400.5	3342.5	3274.5	3200.1	3021.9
<b>C135.0</b>	3918.9	3848.3	3777.9	3704.8	3620.7	3558.0	3482.9	3415.6	3332.8	3263.3
<b>C180.0</b>	3962.1	3901.4	3827.7	3762.0	3648.2	3462.3	3382.6	3295.7	3212.4	3082.9
<b>C225.0</b>	3650.9	3583.3	3513.2	3442.5	3358.4	3279.5	3194.5	3108.2	3017.8	2826.1
<b>C270.0</b>	3806.5	3725.4	3508.5	3344.1	3272.3	3204.5	3139.3	2906.4	2693.4	2627.4
<b>C315.0</b>	3930.8	3869.2	3804.0	3732.3	3653.4	3575.9	3497.8	3414.5	3328.1	3237.7
<b>C360.0</b>	3988.2	3920.6	3848.0	3784.0	3702.3	3495.3	3388.6	3313.8	3244.3	3128.0
<b>C\G</b>	<b>G50.0</b>	<b>G51.0</b>	<b>G52.0</b>	<b>G53.0</b>	<b>G54.0</b>	<b>G55.0</b>	<b>G56.0</b>	<b>G57.0</b>	<b>G58.0</b>	<b>G59.0</b>
<b>C0.0</b>	2942.4	2861.1	2766.0	2663.1	2450.9	2341.2	2256.8	2087.7	1923.1	1849.6
<b>C45.0</b>	3402.1	3332.0	3253.9	3174.5	3029.0	2831.1	2737.4	2640.0	2558.9	2402.5
<b>C90.0</b>	2767.9	2696.4	2619.1	2553.4	2382.7	2176.2	2112.2	2042.1	1854.6	1690.8
<b>C135.0</b>	3189.0	3107.7	2982.3	2753.3	2568.3	2441.5	2356.0	2264.2	2035.8	1821.1
<b>C180.0</b>	2918.5	2835.5	2733.5	2613.7	2435.5	2331.3	2237.8	2055.8	1923.6	1851.3
<b>C225.0</b>	2710.4	2611.4	2413.8	2254.0	2089.7	1966.5	1790.8	1633.3	1486.2	1384.2
<b>C270.0</b>	2558.1	2495.4	2295.0	2141.9	2073.7	1998.6	1761.4	1672.3	1602.0	1338.0
<b>C315.0</b>	3170.3	3099.1	2951.8	2734.9	2612.5	2477.3	2327.2	2162.2	1956.3	1839.2
<b>C360.0</b>	2942.4	2861.1	2766.0	2663.1	2450.9	2341.2	2256.8	2087.7	1923.1	1849.6
<b>C\G</b>	<b>G60.0</b>	<b>G61.0</b>	<b>G62.0</b>	<b>G63.0</b>	<b>G64.0</b>	<b>G65.0</b>	<b>G66.0</b>	<b>G67.0</b>	<b>G68.0</b>	<b>G69.0</b>
<b>C0.0</b>	1651.4	1561.5	1480.4	1336.4	1258.0	1125.8	1014.7	897.9	748.9	668.9
<b>C45.0</b>	2199.6	2000.9	1894.2	1775.1	1662.7	1453.2	1366.1	1217.6	1100.2	958.4
<b>C90.0</b>	1628.6	1467.0	1288.0	1232.4	1025.2	938.9	804.1	712.8	618.8	522.4
<b>C135.0</b>	1724.0	1642.4	1488.7	1277.8	1212.4	1100.2	911.6	839.9	697.8	589.4
<b>C180.0</b>	1642.9	1550.5	1459.8	1337.8	1266.3	1124.4	1005.4	896.5	752.2	665.9
<b>C225.0</b>	1231.4	1078.8	996.9	864.1	746.4	638.6	536.1	441.2	360.7	276.9
<b>C270.0</b>	1276.4	1136.0	974.9	909.4	734.0	672.7	521.2	367.0	335.7	219.7
<b>C315.0</b>	1693.5	1597.8	1400.4	1283.6	1188.2	1017.2	915.5	765.9	649.4	550.9
<b>C360.0</b>	1651.4	1561.5	1480.4	1336.4	1258.0	1125.8	1014.7	897.9	748.9	668.9
<b>C\G</b>	<b>G70.0</b>	<b>G71.0</b>	<b>G72.0</b>	<b>G73.0</b>	<b>G74.0</b>	<b>G75.0</b>	<b>G76.0</b>	<b>G77.0</b>	<b>G78.0</b>	<b>G79.0</b>
<b>C0.0</b>	581.5	488.0	377.5	265.3	161.6	96.5	74.8	56.9	35.5	11.0
<b>C45.0</b>	854.7	707.9	599.3	487.7	417.3	328.5	279.6	199.3	136.9	94.0
<b>C90.0</b>	385.7	321.1	218.6	199.3	177.6	159.7	133.6	109.7	86.0	62.7
<b>C135.0</b>	511.1	414.9	318.1	264.2	194.4	129.8	90.7	68.7	47.3	26.7
<b>C180.0</b>	592.7	492.9	385.4	278.8	190.5	101.5	79.5	61.3	41.2	20.1
<b>C225.0</b>	216.6	154.2	101.7	70.7	48.1	26.4	5.8	0.0	0.0	0.0
<b>C270.0</b>	200.4	178.7	153.9	126.7	103.6	72.0	52.5	26.1	8.3	0.0
<b>C315.0</b>	448.4	356.3	301.0	214.4	145.2	102.8	80.8	58.0	34.4	13.7
<b>C360.0</b>	581.5	488.0	377.5	265.3	161.6	96.5	74.8	56.9	35.5	11.0



### Light intensity data Unit[cd]

C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
<b>C0.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C45.0</b>	72.3	50.0	31.1	11.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C90.0</b>	42.3	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C135.0</b>	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C180.0</b>	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C225.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C270.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C315.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C360.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>C\G</b>	<b>G90.0</b>									
<b>C0.0</b>	0.0									
<b>C45.0</b>	0.0									
<b>C90.0</b>	0.0									
<b>C135.0</b>	0.0									
<b>C180.0</b>	0.0									
<b>C225.0</b>	0.0									
<b>C270.0</b>	0.0									
<b>C315.0</b>	0.0									
<b>C360.0</b>	0.0									



## Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	5231.20	0.00	0.00	0.00	0.00
0.0-1.0	5225.87	5.00	5.00	0.04	0.04
1.0-2.0	5226.38	15.00	20.01	0.12	0.16
2.0-3.0	5223.20	24.99	45.00	0.20	0.35
3.0-4.0	5217.49	34.95	79.95	0.28	0.63
4.0-5.0	5209.92	44.86	124.80	0.35	0.98
5.0-6.0	5203.05	54.72	179.53	0.43	1.42
6.0-7.0	5193.68	64.53	244.06	0.51	1.92
7.0-8.0	5181.34	74.25	318.31	0.59	2.51
8.0-9.0	5168.11	83.88	402.19	0.66	3.17
9.0-10.0	5151.21	93.39	495.57	0.74	3.91
10.0-11.0	5136.12	102.79	598.37	0.81	4.72
11.0-12.0	5119.00	112.10	710.47	0.88	5.60
12.0-13.0	5097.90	121.25	831.72	0.96	6.56
13.0-14.0	5074.80	130.21	961.93	1.03	7.58
14.0-15.0	5051.51	139.02	1100.95	1.10	8.68
15.0-16.0	5027.58	147.69	1248.63	1.16	9.84
16.0-17.0	5002.03	156.19	1404.82	1.23	11.08
17.0-18.0	4972.06	164.45	1569.27	1.30	12.37
18.0-19.0	4943.12	172.50	1741.78	1.36	13.73
19.0-20.0	4910.48	180.35	1922.12	1.42	15.15
20.0-21.0	4877.01	187.94	2110.06	1.48	16.64
21.0-22.0	4842.64	195.32	2305.38	1.54	18.17
22.0-23.0	4805.56	202.45	2507.83	1.60	19.77
23.0-24.0	4768.03	209.31	2717.14	1.65	21.42
24.0-25.0	4726.28	215.88	2933.02	1.70	23.12
25.0-26.0	4683.88	222.13	3155.15	1.75	24.87
26.0-27.0	4638.49	228.07	3383.22	1.80	26.67
27.0-28.0	4594.64	233.76	3616.99	1.84	28.52
28.0-29.0	4548.75	239.22	3856.20	1.89	30.40
29.0-30.0	4497.14	244.24	4100.44	1.93	32.33
30.0-31.0	4445.15	248.85	4349.29	1.96	34.29
31.0-32.0	4394.87	253.26	4602.55	2.00	36.29
32.0-33.0	4340.61	257.35	4859.90	2.03	38.31
33.0-34.0	4283.32	260.99	5120.88	2.06	40.37
34.0-35.0	4226.79	264.29	5385.18	2.08	42.46
35.0-36.0	4166.48	267.24	5652.42	2.11	44.56
36.0-37.0	4106.76	269.83	5922.25	2.13	46.69
37.0-38.0	4045.72	272.12	6194.36	2.15	48.83
38.0-39.0	3979.12	273.91	6468.27	2.16	50.99
39.0-40.0	3914.38	275.30	6743.57	2.17	53.16



## Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	3848.50	276.43	7020.00	2.18	55.34
41.0-42.0	3761.43	276.48	7296.49	2.18	57.52
42.0-43.0	3666.74	275.16	7571.65	2.17	59.69
43.0-44.0	3569.36	273.11	7844.76	2.15	61.85
44.0-45.0	3466.71	270.40	8115.16	2.13	63.98
45.0-46.0	3388.74	268.10	8383.26	2.11	66.09
46.0-47.0	3293.55	265.77	8649.03	2.10	68.19
47.0-48.0	3196.57	262.36	8911.40	2.07	70.25
48.0-49.0	3082.69	257.86	9169.26	2.03	72.29
49.0-50.0	2957.35	251.83	9421.09	1.99	74.27
50.0-51.0	2879.83	246.96	9668.05	1.95	76.22
51.0-52.0	2751.92	241.66	9909.72	1.91	78.13
52.0-53.0	2611.10	233.29	10143.01	1.84	79.96
53.0-54.0	2455.29	223.31	10366.31	1.76	81.73
54.0-55.0	2320.47	213.18	10579.49	1.68	83.41
55.0-56.0	2197.45	204.15	10783.65	1.61	85.02
56.0-57.0	2069.72	195.10	10978.75	1.54	86.55
57.0-58.0	1917.55	184.39	11163.14	1.45	88.01
58.0-59.0	1772.08	172.49	11335.63	1.36	89.37
59.0-60.0	1630.98	160.77	11496.40	1.27	90.63
60.0-61.0	1504.36	149.62	11646.03	1.18	91.81
61.0-62.0	1372.90	138.64	11784.67	1.09	92.91
62.0-63.0	1252.08	127.67	11912.34	1.01	93.91
63.0-64.0	1136.65	117.21	12029.55	0.92	94.84
64.0-65.0	1008.88	106.18	12135.73	0.84	95.67
65.0-66.0	884.35	94.46	12230.19	0.74	96.42
66.0-67.0	767.36	83.05	12313.24	0.65	97.07
67.0-68.0	657.95	72.20	12385.44	0.57	97.64
68.0-69.0	556.54	61.96	12447.40	0.49	98.13
69.0-70.0	473.89	52.92	12500.32	0.42	98.55
70.0-71.0	389.25	44.61	12544.93	0.35	98.90
71.0-72.0	306.94	36.20	12581.13	0.29	99.19
72.0-73.0	238.39	28.52	12609.65	0.22	99.41
73.0-74.0	179.79	21.98	12631.63	0.17	99.58
74.0-75.0	127.15	16.22	12647.85	0.13	99.71
75.0-76.0	99.65	12.04	12659.89	0.09	99.81
76.0-77.0	72.50	9.18	12669.07	0.07	99.88
77.0-78.0	48.70	6.49	12675.56	0.05	99.93
78.0-79.0	28.52	4.15	12679.71	0.03	99.96
79.0-80.0	15.29	2.36	12682.07	0.02	99.98
80.0-81.0	8.42	1.28	12683.35	0.01	99.99

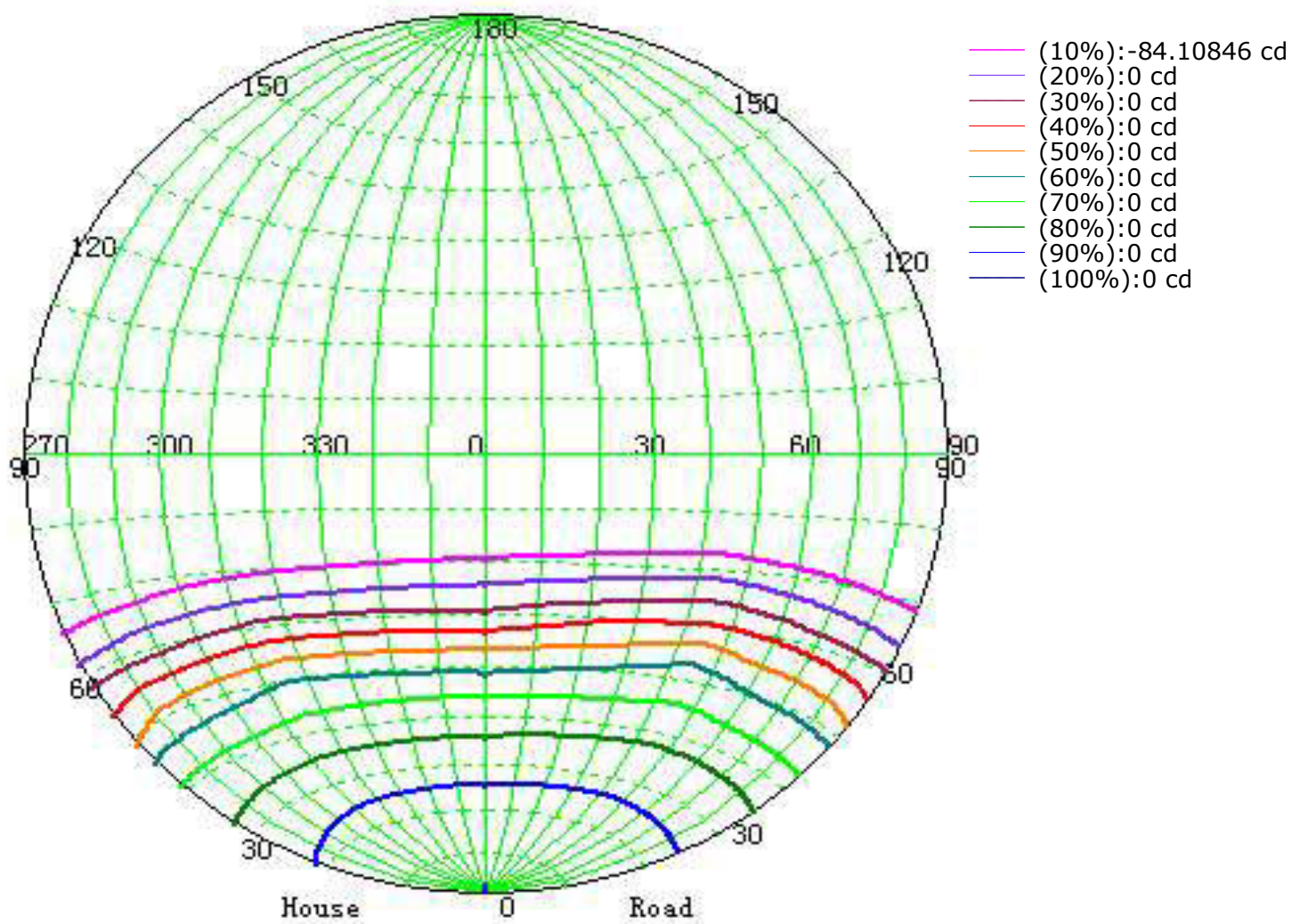


### Zonal Luminous Flux Data

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
81.0-82.0	3.88	0.67	12684.02	0.01	100.00
82.0-83.0	1.38	0.29	12684.30	0.00	100.00
83.0-84.0	0.00	0.08	12684.38	0.00	100.00
84.0-85.0	0.00	0.00	12684.38	0.00	100.00
85.0-86.0	0.00	0.00	12684.38	0.00	100.00
86.0-87.0	0.00	0.00	12684.38	0.00	100.00
87.0-88.0	0.00	0.00	12684.38	0.00	100.00
88.0-89.0	0.00	0.00	12684.38	0.00	100.00
89.0-90.0	0.00	0.00	12684.38	0.00	100.00



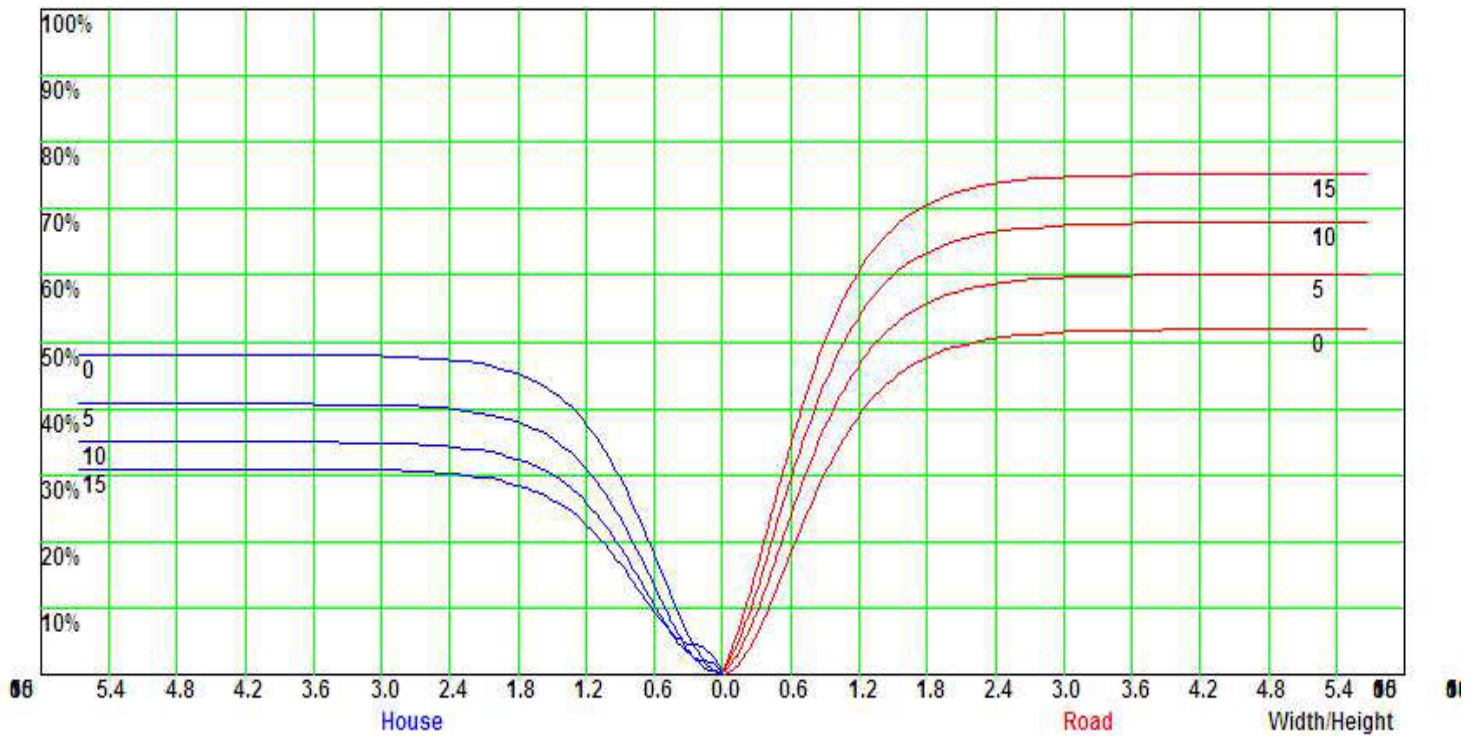
# Iso-Candela [cd]



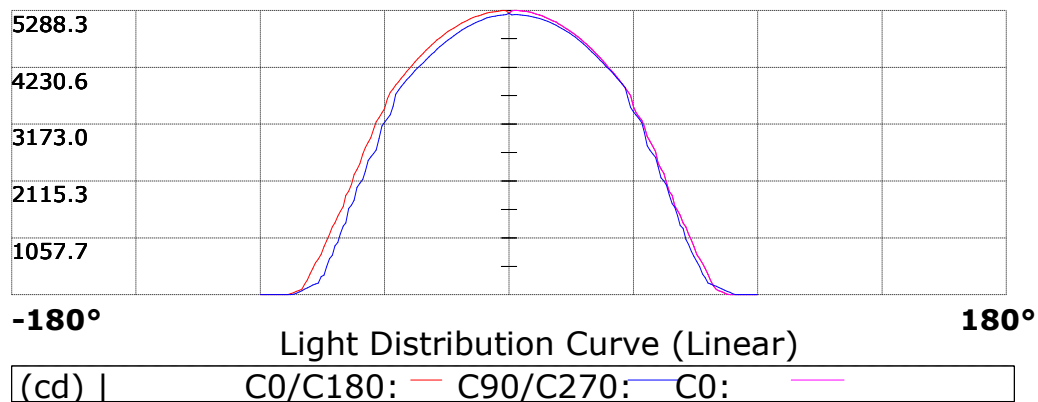
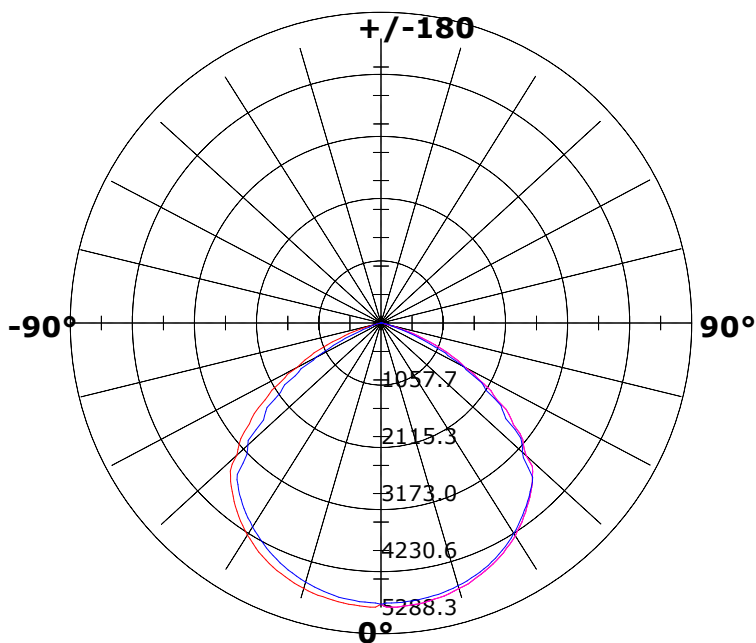


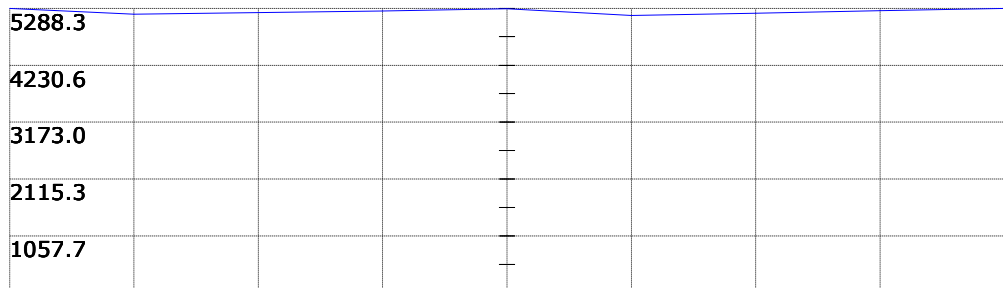
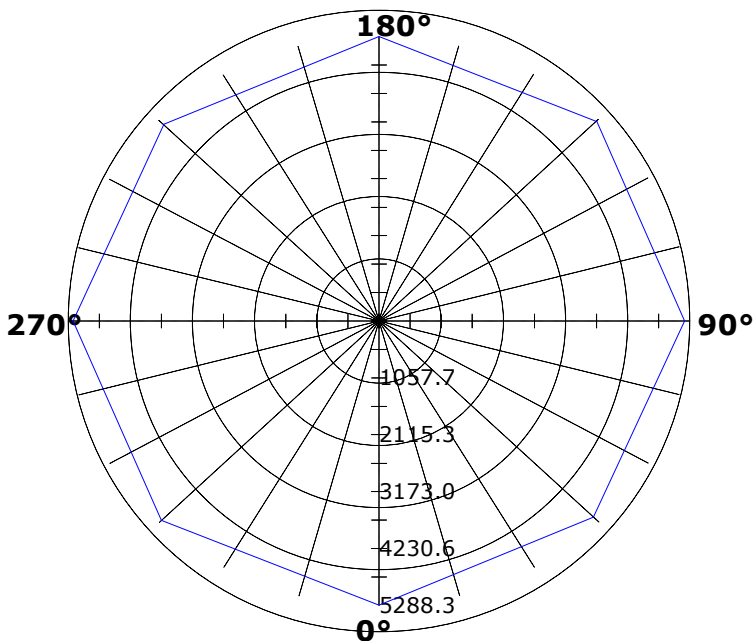


## Coefficient Utilization Curve



Light Distribution Curve [Unit: cd]

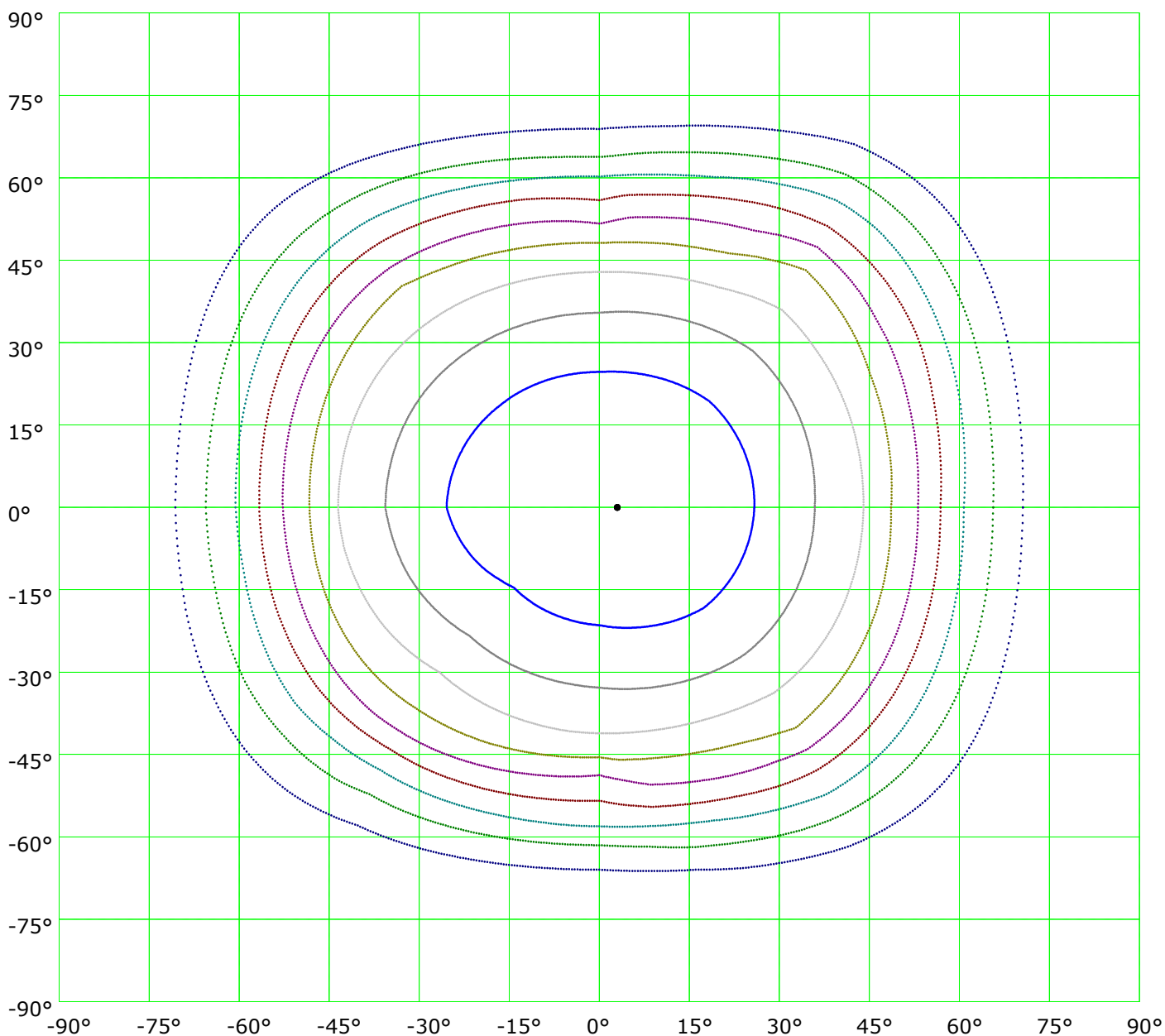




**-180°** Light Distribution Curve (Linear) **180°**  
(cd) | ?3: —



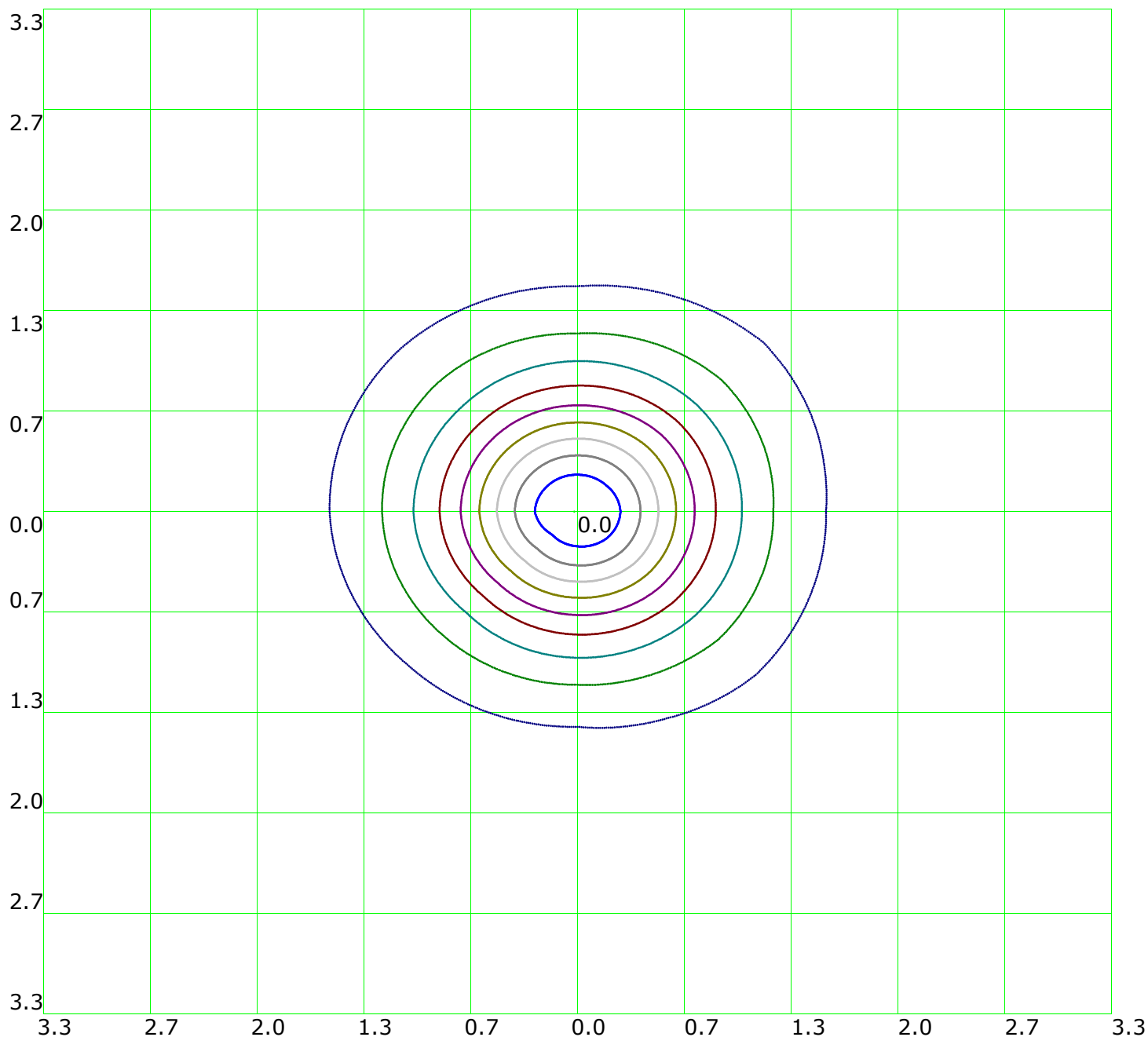
# Isocandela(rectangle)



— (10%): 528.8cd	— (20%): 1057.7cd	— (30%): 1586.5cd	— (40%): 2115.3cd
— (50%): 2644.2cd	— (60%): 3173.cd	— (70%): 3701.8cd	— (80%): 4230.7cd
— (90%): 4759.5cd	— (100%): 5288.3cd		



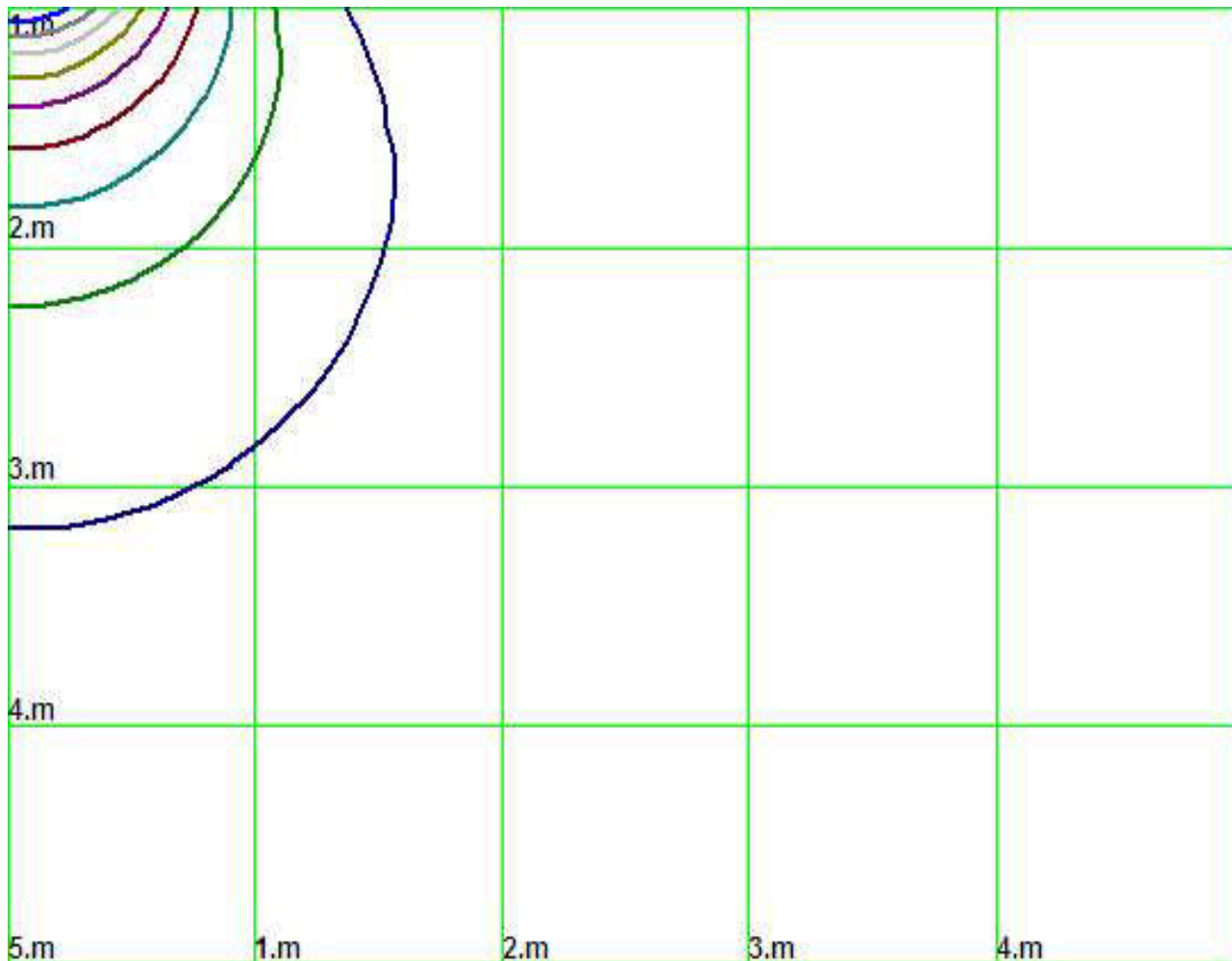
### Isolx curve



Height: 1 m

— (10%): 528.8lx	— (20%): 1057.7lx	— (30%): 1586.5lx	— (40%): 2115.3lx
— (50%): 2644.2lx	— (60%): 3173.1lx	— (70%): 3701.8lx	— (80%): 4230.7lx
— (90%): 4759.5lx	— (100%): 5283.1lx		

## Space Isolx Curve



— (10%): 528.8lx	— (20%): 1057.7lx	— (30%): 1586.5lx	— (40%): 2115.3lx
— (50%): 2644.2lx	— (60%): 3173.1lx	— (70%): 3701.8lx	— (80%): 4230.7lx
— (90%): 4759.5lx	— (100%): 5283.1lx		



## Luminance Limiting Curve

Diameter: 253mm

Length: 253mm

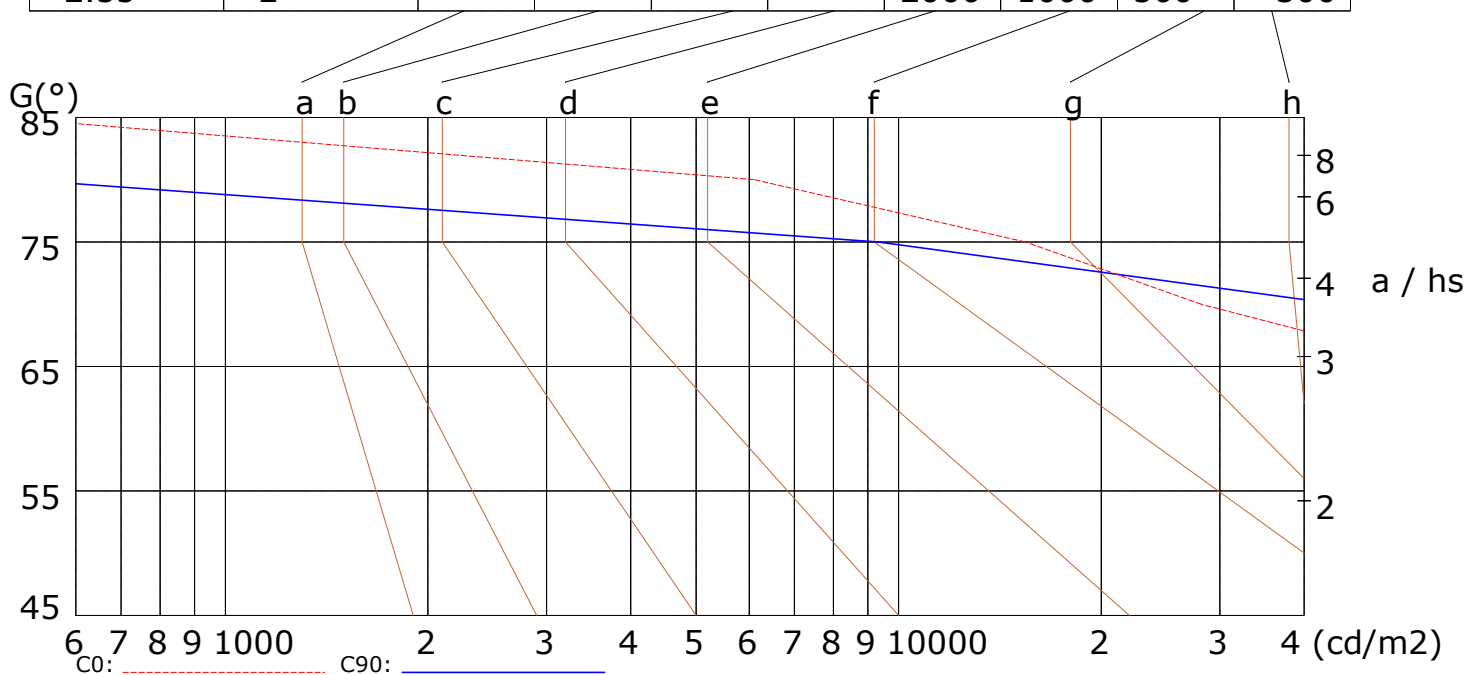
Width: 280mm

Height: 76mm

(cd/m<sup>2</sup>)

?	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	120224	107650	94854	81430	55538	28194	15430		
C90	123577	114441	110204	482571	66595	42502	9319		

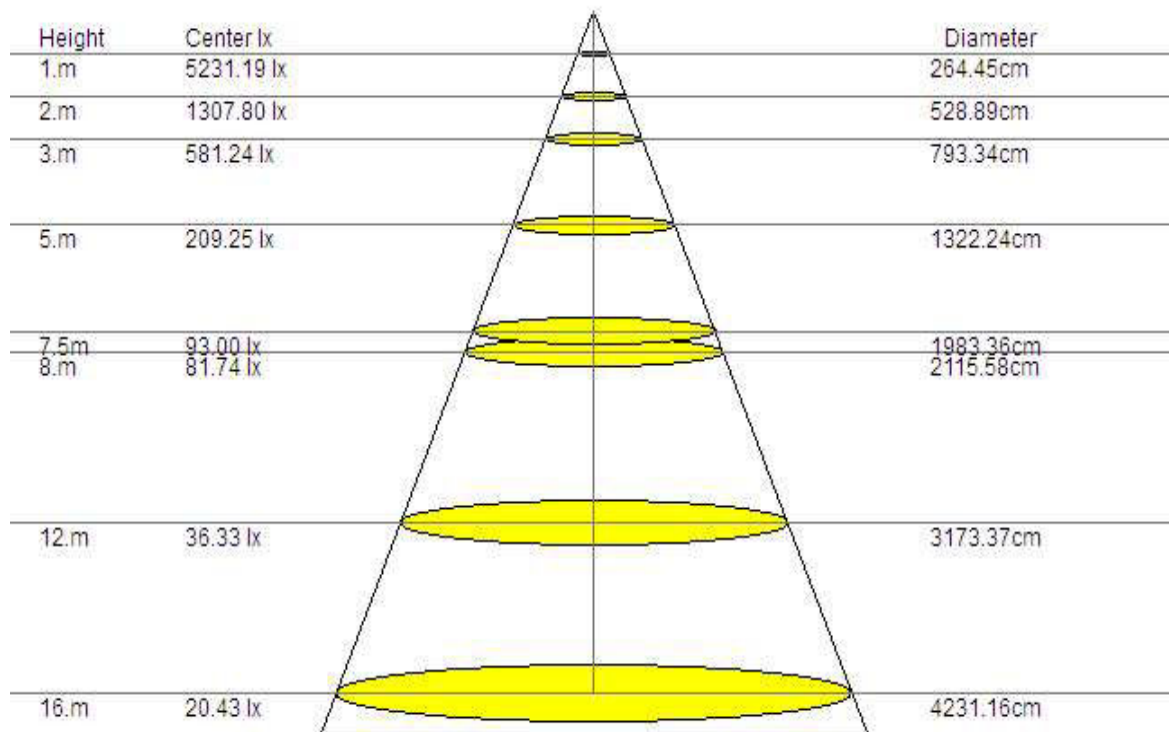
Glare	Quality	Service Values Illuminance (lx)							
1.15	A	2000	1000	500	=300				
1.5	B		2000	1000	500	=300			
1.85	C			2000	1000	500	=300		
2.2	D				2000	1000	500	=300	
2.55	E					2000	1000	500	=300



Lum. Limiting Curve (C0/C90)



## Lux-Distance Curve



Beam Angle: 105.80°(50%Imax)

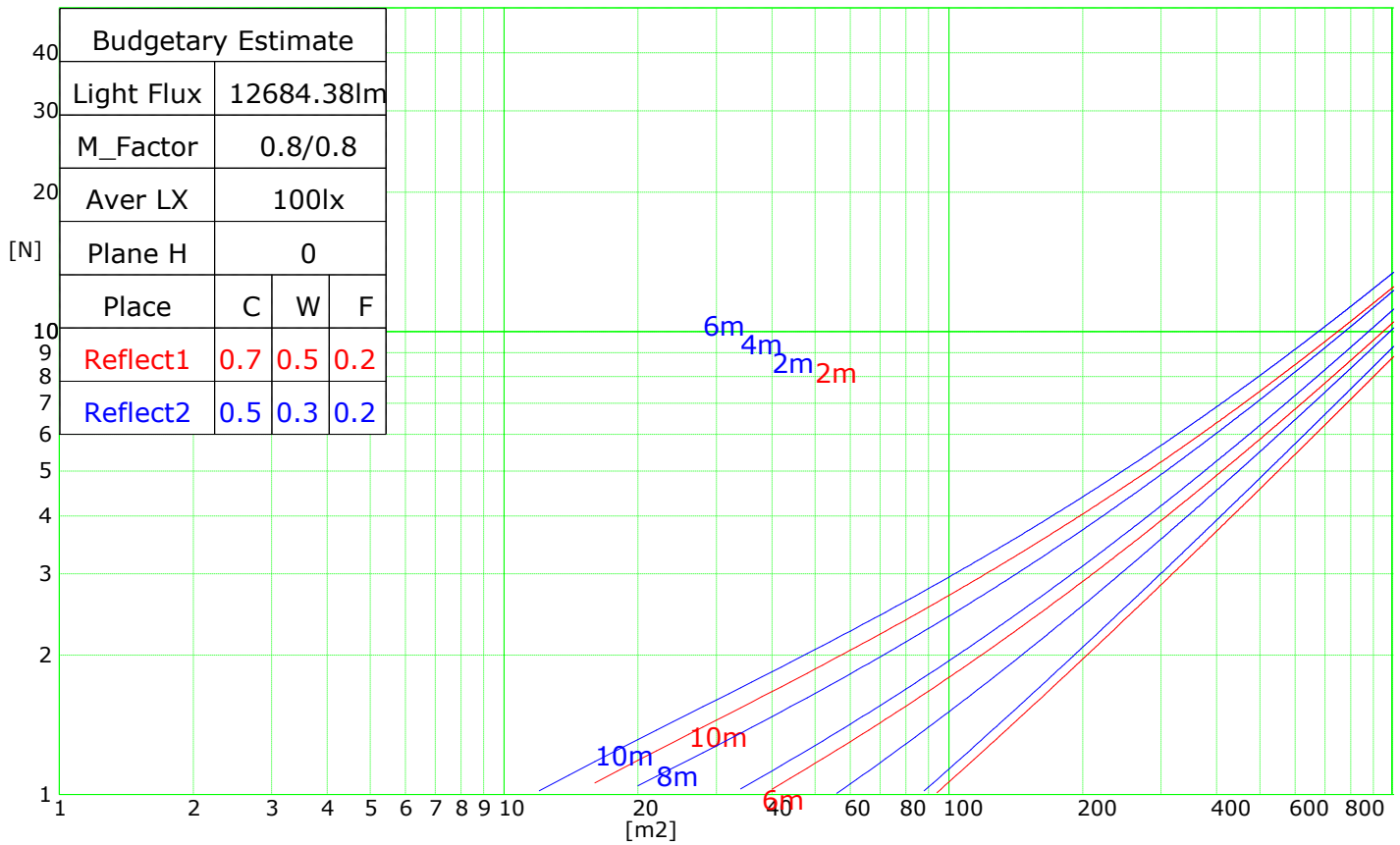


## Coefficients of Utilization

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	COEFFICIENTS OF UTILIZATION FOR RHOFC=20															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.07	1.06	1.07	1.06	1.04	1.03	1.01	1.00	0.98	0.96	0.95	0.91	0.89	0.88	0.83
2	0.95	0.93	0.91	0.94	0.92	0.90	0.91	0.88	0.86	0.87	0.84	0.81	0.82	0.79	0.76	0.71
3	0.83	0.80	0.79	0.82	0.79	0.77	0.81	0.77	0.74	0.78	0.74	0.70	0.74	0.70	0.66	0.61
4	0.73	0.70	0.68	0.73	0.69	0.67	0.72	0.67	0.64	0.70	0.65	0.61	0.67	0.62	0.57	0.53
5	0.64	0.61	0.60	0.64	0.61	0.59	0.64	0.59	0.56	0.63	0.58	0.53	0.61	0.55	0.50	0.47
6	0.57	0.54	0.53	0.57	0.54	0.52	0.57	0.53	0.49	0.57	0.51	0.47	0.56	0.50	0.45	0.41
7	0.51	0.48	0.47	0.51	0.48	0.46	0.52	0.47	0.44	0.52	0.46	0.42	0.51	0.45	0.40	0.36
8	0.46	0.43	0.42	0.46	0.43	0.41	0.47	0.43	0.39	0.47	0.42	0.38	0.47	0.41	0.36	0.33
9	0.41	0.39	0.38	0.42	0.39	0.37	0.43	0.39	0.36	0.44	0.38	0.34	0.44	0.37	0.32	0.29
10	0.38	0.36	0.34	0.39	0.36	0.34	0.40	0.35	0.32	0.40	0.35	0.31	0.40	0.34	0.29	0.27



# Indoor Budgetary Estimate Chart





## 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 X Y	Weft to light axis direction of observation					Direction of light axis parallel observation					
2H	2H	14.8	15.9	15.1	15.9	16.3	14.7	15.9	14.9	15.9	16.3
	3H	16.2	17.4	16.7	17.7	18.0	16.2	17.4	16.5	17.9	18.0
	4H	16.9	18.1	17.4	18.6	18.7	17.0	18.0	17.3	18.6	18.8
	6H	17.5	18.5	18.0	18.9	19.0	17.3	18.3	17.8	18.8	19.1
	8H	17.9	18.9	18.2	18.9	19.3	17.8	18.7	18.0	19.0	19.3
4H	12H	18.0	18.8	18.2	19.3	19.5	17.8	18.6	18.0	19.2	19.5
	2H	15.6	16.6	15.9	16.9	17.1	15.6	16.6	15.8	16.8	17.0
	3H	17.5	18.4	17.8	18.3	18.7	17.3	18.2	17.5	18.4	18.8
	4H	18.2	19.0	18.5	19.1	19.5	18.0	18.9	18.4	19.2	19.5
	6H	18.8	19.5	19.2	19.8	20.1	18.8	19.4	19.0	19.7	20.1
8H	8H	19.0	19.8	19.5	19.9	20.4	19.0	19.6	19.2	19.9	20.3
	12H	19.3	19.9	19.7	20.2	20.4	19.2	19.7	19.6	20.2	20.5
	4H	18.6	19.2	18.8	19.4	19.9	18.4	19.0	18.8	19.4	19.8
	6H	19.4	19.8	19.7	20.2	20.7	19.2	19.9	19.7	20.2	20.6
	8H	19.8	20.2	20.1	20.5	20.9	19.6	20.0	20.0	20.5	20.9
12H	12H	19.9	20.5	20.4	20.7	21.3	19.9	20.4	20.2	20.7	21.1
	4H	18.6	19.1	18.9	19.5	19.9	18.4	19.0	18.8	19.6	19.9
	6H	19.6	20.0	19.9	20.2	20.6	19.3	19.8	19.8	20.2	20.7
	8H	19.9	20.4	20.3	20.7	21.1	19.9	20.3	20.2	20.6	21.1