



Luminaire Property

Luminaire Description: **100W LED Flood Light**

Luminaire Category: Modular Series

Lamp Category:

Lamp Description:

Number of Lamp: 1

Lamp Lumens(lm): 14092.94

Luminous Length(m):

Luminous Width(m):

Luminous Height(m):

Voltage: 220.6 V

Current: 0.453 A

Power: 98.08 W

Power Factor: 0.980

Test Lab:

Photometric Type: Type C

Manufactory: ADS LED Illumination Sdn Bhd

Photometric Results

CIE Class: Direct

Measurement Flux: 14092.94 lm

Efficiency: 143.6882 lm/W

Central Intensity: 5584.687cd

Max. Intensity: 5663.902cd

Field Angle(10%Imax): Left: -74.0 Right:72.6

Max.Intensity Angle: C:180.0 G:8.0

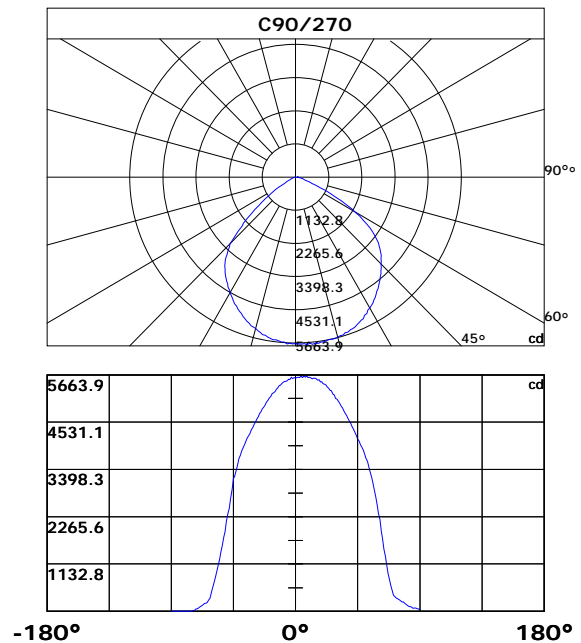
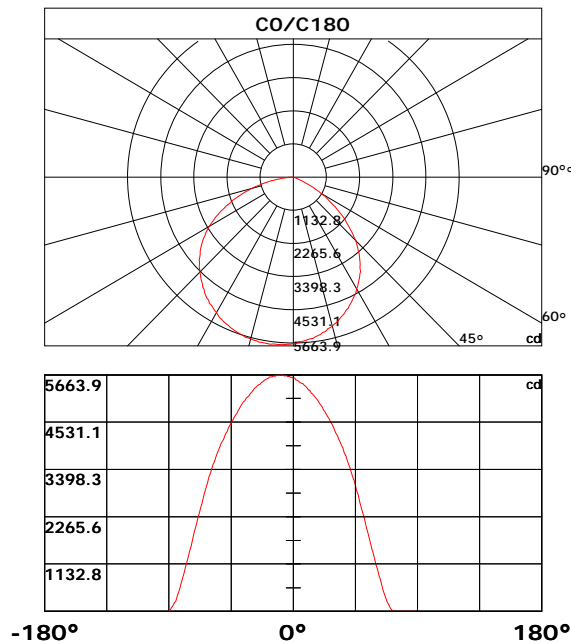
Beam Angle(50%Imax): L: -56.2 R:54.5

Luminaire Efficacy Rating(LER) : 100.00%

Upward Ratio: 0.01%

Downward Ratio: 99.99%

Beamwidth(50%Imax): C0/180=125.2 C90/270=120.29





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	5584.7	5592.8	5542.7	5531.9	5504.7	5477.1	5459.7	5456.0	5414.1	5390.9
C30.0	5584.7	5580.1	5593.8	5593.3	5579.9	5611.2	5597.0	5596.2	5603.6	5585.9
C60.0	5584.7	5585.9	5608.3	5587.7	5605.1	5602.2	5604.9	5604.9	5601.7	5587.0
C90.0	5584.7	5601.2	5607.0	5596.4	5629.4	5600.9	5637.8	5604.3	5634.6	5602.0
C120.0	5584.7	5609.1	5619.9	5625.4	5615.4	5640.2	5615.9	5620.7	5636.5	5629.9
C150.0	5584.7	5596.4	5618.3	5624.6	5630.7	5643.6	5646.0	5638.4	5649.4	5646.2
C180.0	5584.7	5609.9	5608.3	5629.1	5624.6	5643.9	5636.5	5644.7	5663.9	5663.1
C210.0	5584.7	5575.1	5546.4	5535.3	5531.4	5489.7	5485.5	5476.5	5441.5	5427.3
C240.0	5584.7	5600.1	5579.9	5567.2	5561.9	5540.6	5515.3	5519.2	5486.3	5463.9
C270.0	5584.7	5601.2	5579.3	5603.6	5553.2	5560.3	5519.8	5504.5	5507.4	5481.6
C300.0	5584.7	5579.3	5582.8	5550.6	5560.3	5520.0	5540.6	5494.7	5497.1	5452.0
C330.0	5584.7	5571.4	5566.4	5564.0	5533.0	5515.3	5499.2	5464.4	5427.3	5430.4
C360.0	5584.7	5592.8	5542.7	5531.9	5504.7	5477.1	5459.7	5456.0	5414.1	5390.9
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	5357.4	5303.7	5296.0	5226.8	5205.9	5170.1	5124.0	5087.4	5043.6	4980.6
C30.0	5575.4	5562.2	5564.8	5546.4	5559.8	5525.6	5534.8	5483.2	5498.9	5447.6
C60.0	5581.4	5575.4	5559.8	5572.2	5550.1	5556.9	5523.2	5514.7	5478.1	5468.6
C90.0	5609.1	5589.6	5571.9	5584.3	5582.5	5564.5	5535.9	5541.6	5491.3	5501.6
C120.0	5617.2	5632.0	5605.1	5598.3	5601.4	5566.4	5564.8	5557.4	5527.9	5515.0
C150.0	5629.9	5646.5	5629.9	5623.3	5599.1	5604.9	5577.2	5556.4	5558.0	5526.1
C180.0	5654.1	5651.2	5652.6	5632.0	5636.5	5622.0	5613.0	5613.6	5583.8	5571.7
C210.0	5412.8	5368.0	5330.0	5314.2	5263.9	5253.1	5207.0	5170.3	5143.0	5088.4
C240.0	5449.9	5407.0	5392.5	5354.8	5314.2	5284.4	5250.2	5195.9	5169.0	5120.8
C270.0	5453.9	5411.7	5405.4	5348.2	5317.7	5266.0	5233.9	5216.7	5151.1	5110.0
C300.0	5425.4	5396.7	5363.5	5348.2	5327.1	5279.5	5224.1	5204.6	5133.7	5109.0
C330.0	5377.2	5370.9	5329.8	5294.5	5276.0	5228.1	5173.0	5142.4	5105.5	5049.2
C360.0	5357.4	5303.7	5296.0	5226.8	5205.9	5170.1	5124.0	5087.4	5043.6	4980.6
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	4941.1	4888.9	4812.8	4782.5	4718.7	4655.2	4608.3	4537.9	4479.7	4415.4
C30.0	5430.7	5412.2	5375.6	5369.8	5323.2	5320.3	5266.0	5248.4	5186.4	5161.4
C60.0	5429.9	5410.7	5385.4	5369.3	5334.2	5293.4	5271.8	5204.4	5174.3	5111.1
C90.0	5453.4	5437.3	5420.7	5379.8	5336.6	5294.2	5284.2	5196.7	5188.0	5102.9
C120.0	5494.5	5453.9	5417.0	5407.8	5348.7	5336.4	5290.2	5250.4	5219.4	5169.8
C150.0	5524.3	5493.2	5482.1	5434.4	5433.1	5377.2	5355.6	5316.8	5279.7	5250.0
C180.0	5551.9	5526.1	5499.5	5486.8	5439.9	5435.7	5400.9	5367.7	5346.4	5297.4
C210.0	5030.2	4996.2	4952.4	4894.7	4865.2	4789.9	4760.4	4679.4	4640.4	4552.2
C240.0	5067.3	5008.1	4967.7	4908.9	4847.5	4805.7	4735.8	4696.5	4622.0	4560.0
C270.0	5055.5	5008.1	4942.9	4893.9	4850.4	4780.6	4738.2	4666.8	4601.2	4532.1
C300.0	5042.3	5004.9	4965.1	4907.9	4838.8	4782.7	4723.5	4634.9	4602.2	4508.7
C330.0	5027.8	4954.8	4932.9	4857.1	4817.0	4740.6	4690.0	4624.6	4563.8	4515.0
C360.0	4941.1	4888.9	4812.8	4782.5	4718.7	4655.2	4608.3	4537.9	4479.7	4415.4



Light intensity data Unit[cd]

C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	4330.8	4260.5	4202.8	4118.4	4058.6	3963.8	3914.7	3796.7	3726.1	3624.6
C30.0	5107.7	5058.9	5030.4	4995.9	4937.7	4876.5	4839.4	4761.7	4729.0	4644.7
C60.0	5077.6	5037.3	4993.0	4923.4	4876.8	4826.5	4746.9	4705.2	4633.1	4558.7
C90.0	5078.9	5028.6	4985.3	4911.6	4872.6	4798.0	4732.4	4684.2	4618.6	4553.5
C120.0	5103.9	5066.3	5015.4	4957.4	4926.3	4851.8	4804.4	4752.1	4688.9	4601.7
C150.0	5226.8	5179.8	5120.0	5098.1	5022.8	4993.3	4918.2	4879.2	4837.3	4777.2
C180.0	5248.6	5217.5	5172.2	5130.5	5110.5	5042.3	5020.2	4970.1	4922.9	4846.8
C210.0	4503.4	4425.4	4362.7	4303.1	4235.9	4168.5	4079.1	4021.2	3914.0	3848.8
C240.0	4478.7	4437.3	4349.5	4279.9	4212.0	4137.4	4072.6	4004.1	3929.0	3836.8
C270.0	4479.7	4397.7	4347.9	4269.7	4214.3	4147.9	4070.0	4000.4	3915.0	3845.2
C300.0	4458.6	4405.9	4321.0	4251.8	4176.1	4100.8	4008.3	3963.2	3878.1	3793.5
C330.0	4442.3	4378.8	4297.1	4239.4	4137.9	3983.8	3931.1	3841.5	3924.5	3697.6
C360.0	4330.8	4260.5	4202.8	4118.4	4058.6	3963.8	3914.7	3796.7	3726.1	3624.6
C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	3531.9	3438.8	3328.2	3229.1	3130.8	3019.3	2881.0	2789.8	2628.3	2516.0
C30.0	4593.0	4552.2	4479.7	4402.2	4340.6	4261.2	4164.3	4124.5	4039.4	3947.7
C60.0	4508.9	4434.9	4356.4	4282.6	4205.6	4128.5	4071.3	3972.2	3903.1	3829.6
C90.0	4493.7	4418.3	4368.8	4277.6	4210.1	4127.9	4076.0	3988.2	3936.1	3858.1
C120.0	4551.6	4469.4	4410.9	4357.4	4262.3	4219.6	4130.5	4069.7	3969.8	3909.7
C150.0	4705.8	4652.0	4584.1	4497.3	4456.0	4378.5	4299.7	4240.2	4154.3	4081.8
C180.0	4804.4	4734.0	4686.8	4624.9	4561.1	4512.9	4446.0	4390.4	4307.9	4251.0
C210.0	3747.2	3672.6	3594.9	3508.2	3408.0	3311.3	3232.3	3112.6	3010.9	2913.9
C240.0	3778.0	3677.3	3607.5	3515.8	3433.6	3339.8	3215.9	3082.0	2931.6	2788.5
C270.0	3742.4	3651.0	3503.9	3379.8	3237.8	3176.1	2925.5	2691.6	2466.5	2349.5
C300.0	3726.1	3633.6	3561.1	3471.0	3371.4	3246.2	3133.2	2976.6	2816.2	2660.2
C330.0	3573.2	3477.6	3543.5	3363.2	3279.9	3180.3	3059.9	2972.4	2841.2	2729.2
C360.0	3531.9	3438.8	3328.2	3229.1	3130.8	3019.3	2881.0	2789.8	2628.3	2516.0
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	2378.5	2280.2	2155.8	2018.3	1881.8	1759.5	1633.8	1476.0	1379.6	1247.5
C30.0	3887.1	3784.0	3701.0	3616.7	3522.4	3416.7	3337.7	3224.9	3119.8	3021.7
C60.0	3742.4	3670.5	3581.9	3483.4	3403.5	3317.7	3200.9	3103.4	2978.0	2885.7
C90.0	3768.8	3663.9	3588.2	3461.0	3348.5	3210.4	3065.7	2916.1	2735.3	2554.8
C120.0	3817.5	3748.2	3682.1	3597.2	3508.7	3405.1	3309.0	3163.8	3068.4	2940.8
C150.0	4004.6	3911.3	3821.2	3749.5	3656.8	3574.3	3484.2	3380.6	3277.6	3186.7
C180.0	4158.5	4093.9	4038.6	3952.2	3876.0	3786.4	3697.9	3595.6	3518.7	3414.9
C210.0	2780.9	2711.3	2546.9	2402.8	2336.3	2126.0	2120.0	2033.1	1822.2	1684.9
C240.0	2598.5	2451.5	2263.1	2036.5	1850.7	1656.8	1492.1	1309.4	1160.3	1017.5
C270.0	2157.4	1910.8	1782.7	1567.9	1425.6	1256.2	1118.2	955.8	824.6	701.3
C300.0	2454.4	2256.5	2048.1	1830.4	1643.1	1482.1	1295.5	1148.2	983.2	869.6
C330.0	2608.0	2500.2	2365.0	2264.1	2122.7	2017.0	1862.8	1711.6	1569.8	1396.7
C360.0	2378.5	2280.2	2155.8	2018.3	1881.8	1759.5	1633.8	1476.0	1379.6	1247.5



Light intensity data Unit[cd]

C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	1118.7	1004.3	873.9	761.3	640.4	513.1	403.5	315.8	224.8	162.4
C30.0	2891.5	2783.8	2665.5	2544.8	2420.4	2303.4	2165.8	2052.5	1914.5	1819.8
C60.0	2718.4	2581.9	2378.8	2196.4	2001.9	1828.3	1625.4	1415.1	1219.1	990.6
C90.0	2346.6	2195.1	1920.0	1738.2	1497.1	1316.3	1106.3	916.3	743.4	607.5
C120.0	2747.9	2620.4	2410.1	2230.9	2046.5	1867.0	1630.4	1441.7	1243.8	1019.3
C150.0	3085.8	2975.9	2885.2	2769.0	2665.5	2535.3	2444.1	2295.2	2186.1	2025.7
C180.0	3306.5	3212.7	3081.0	2981.7	2856.0	2730.0	2595.6	2491.8	2351.4	2238.6
C210.0	1594.0	1447.5	1286.0	1149.5	995.1	833.6	690.7	541.1	411.7	329.7
C240.0	879.4	731.1	590.4	468.9	345.3	235.7	171.1	152.9	122.9	115.2
C270.0	563.2	445.2	319.2	262.8	210.4	195.3	187.7	154.5	132.9	111.3
C300.0	699.2	572.1	439.9	321.8	232.8	173.0	166.1	124.2	121.8	79.1
C330.0	1210.4	1065.2	901.3	744.2	632.2	500.5	416.9	305.5	241.7	158.2
C360.0	1118.7	1004.3	873.9	761.3	640.4	513.1	403.5	315.8	224.8	162.4
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	94.4	48.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C30.0	1658.3	1530.0	1393.2	1260.2	1132.9	973.0	838.0	661.5	560.8	397.7
C60.0	820.1	611.4	487.9	384.3	291.3	223.8	205.1	173.7	144.2	132.9
C90.0	502.3	384.8	348.7	314.2	299.7	279.7	258.3	228.0	223.0	192.4
C120.0	858.9	674.9	528.7	409.3	304.5	236.4	228.6	179.3	166.6	150.0
C150.0	1892.6	1757.9	1634.9	1475.4	1302.9	1142.4	955.3	838.8	639.3	503.4
C180.0	2109.5	1966.9	1851.0	1710.2	1569.3	1443.9	1317.4	1166.1	1055.9	925.8
C210.0	254.7	168.7	133.2	94.1	71.8	68.1	35.1	30.1	25.1	19.4
C240.0	83.4	72.8	48.6	23.5	0.0	0.0	0.0	0.0	0.0	0.0
C270.0	86.3	63.9	55.2	22.8	14.6	7.2	0.0	0.0	0.0	0.0
C300.0	63.1	36.2	34.6	13.8	8.3	0.0	0.0	0.0	0.0	0.0
C330.0	125.0	95.2	83.6	80.7	66.2	42.8	37.8	28.9	20.1	22.5
C360.0	94.4	48.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C30.0	287.3	183.7	101.0	48.3	38.3	9.6	0.0	0.0	0.0	0.0
C60.0	89.2	64.1	51.0	35.4	0.0	0.0	0.0	0.0	0.0	0.0
C90.0	159.8	145.0	119.2	107.1	98.1	69.7	75.3	81.0	67.7	54.4
C120.0	117.9	95.2	58.3	30.7	21.4	0.0	0.0	0.0	0.0	0.0
C150.0	353.2	257.0	174.3	117.3	74.7	23.5	19.1	0.0	0.0	0.0
C180.0	790.3	691.3	560.8	444.9	354.0	249.6	202.0	140.6	91.8	38.5
C210.0	13.8	14.1	14.4	11.3	19.9	14.6	12.5	9.0	5.6	5.6
C240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C330.0	19.6	19.3	17.0	14.6	11.4	8.3	9.8	11.4	5.7	0.0
C360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Light intensity data Unit[cd]

C\G	G90.0									
C0.0	5.6									
C30.0	-55.5									
C60.0	0.0									
C90.0	45.4									
C120.0	0.0									
C150.0	-42.8									
C180.0	1.9									
C210.0	5.6									
C240.0	-91.3									
C270.0	0.0									
C300.0	-70.8									
C330.0	0.0									
C360.0	5.6									



Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	5584.69	0.00	0.00	0.00	0.00
0.0-1.0	5591.88	5.35	5.35	0.04	0.04
1.0-2.0	5587.75	16.05	21.39	0.11	0.15
2.0-3.0	5584.10	26.72	48.11	0.19	0.34
3.0-4.0	5577.47	37.36	85.47	0.27	0.61
4.0-5.0	5570.42	47.96	133.43	0.34	0.95
5.0-6.0	5563.18	58.51	191.94	0.42	1.36
6.0-7.0	5552.04	68.99	260.93	0.49	1.85
7.0-8.0	5546.95	79.43	340.37	0.56	2.42
8.0-9.0	5530.01	89.77	430.14	0.64	3.05
9.0-10.0	5511.98	99.93	530.07	0.71	3.76
10.0-11.0	5492.91	109.96	640.03	0.78	4.54
11.0-12.0	5475.12	119.90	759.92	0.85	5.39
12.0-13.0	5453.60	129.70	889.62	0.92	6.31
13.0-14.0	5436.19	139.39	1029.01	0.99	7.30
14.0-15.0	5410.12	148.90	1177.91	1.06	8.36
15.0-16.0	5380.09	158.11	1336.02	1.12	9.48
16.0-17.0	5357.03	167.21	1503.23	1.19	10.67
17.0-18.0	5323.67	176.10	1679.33	1.25	11.92
18.0-19.0	5290.71	184.67	1864.00	1.31	13.23
19.0-20.0	5254.06	193.00	2056.99	1.37	14.60
20.0-21.0	5216.18	201.05	2258.04	1.43	16.02
21.0-22.0	5179.51	208.91	2466.95	1.48	17.50
22.0-23.0	5141.08	216.55	2683.50	1.54	19.04
23.0-24.0	5096.12	223.82	2907.32	1.59	20.63
24.0-25.0	5050.98	230.72	3138.05	1.64	22.27
25.0-26.0	5010.40	237.50	3375.55	1.69	23.95
26.0-27.0	4952.06	243.73	3619.28	1.73	25.68
27.0-28.0	4908.62	249.65	3868.93	1.77	27.45
28.0-29.0	4848.00	255.26	4124.19	1.81	29.26
29.0-30.0	4794.75	260.35	4384.55	1.85	31.11
30.0-31.0	4741.16	265.37	4649.92	1.88	32.99
31.0-32.0	4683.12	269.99	4919.91	1.92	34.91
32.0-33.0	4623.28	274.17	5194.08	1.95	36.86
33.0-34.0	4565.14	278.07	5472.15	1.97	38.83
34.0-35.0	4490.88	281.25	5753.40	2.00	40.82
35.0-36.0	4428.10	283.98	6037.38	2.02	42.84
36.0-37.0	4364.96	286.78	6324.16	2.03	44.87
37.0-38.0	4309.69	289.55	6613.71	2.05	46.93
38.0-39.0	4219.09	291.11	6904.82	2.07	48.99
39.0-40.0	4146.34	291.76	7196.57	2.07	51.07



Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	4067.64	292.50	7489.07	2.08	53.14
41.0-42.0	4002.14	293.19	7782.26	2.08	55.22
42.0-43.0	3909.10	293.06	8075.31	2.08	57.30
43.0-44.0	3824.78	291.90	8367.21	2.07	59.37
44.0-45.0	3741.82	290.79	8658.01	2.06	61.44
45.0-46.0	3636.31	288.54	8946.55	2.05	63.48
46.0-47.0	3534.19	285.19	9231.73	2.02	65.51
47.0-48.0	3417.10	281.01	9512.74	1.99	67.50
48.0-49.0	3319.61	276.65	9789.39	1.96	69.46
49.0-50.0	3196.39	271.67	10061.06	1.93	71.39
50.0-51.0	3081.86	265.62	10326.68	1.88	73.28
51.0-52.0	2964.55	259.46	10586.14	1.84	75.12
52.0-53.0	2831.67	252.14	10838.28	1.79	76.91
53.0-54.0	2714.67	244.46	11082.74	1.73	78.64
54.0-55.0	2584.02	236.52	11319.26	1.68	80.32
55.0-56.0	2468.14	228.29	11547.55	1.62	81.94
56.0-57.0	2334.86	219.60	11767.16	1.56	83.50
57.0-58.0	2203.12	209.85	11977.01	1.49	84.99
58.0-59.0	2076.84	200.09	12177.10	1.42	86.41
59.0-60.0	1930.14	189.30	12366.40	1.34	87.75
60.0-61.0	1802.93	178.15	12544.55	1.26	89.01
61.0-62.0	1645.93	166.19	12710.74	1.18	90.19
62.0-63.0	1514.13	153.69	12864.43	1.09	91.28
63.0-64.0	1378.62	141.95	13006.38	1.01	92.29
64.0-65.0	1252.63	130.22	13136.59	0.92	93.21
65.0-66.0	1133.64	119.06	13255.65	0.84	94.06
66.0-67.0	1017.22	108.15	13363.80	0.77	94.83
67.0-68.0	909.51	97.60	13461.40	0.69	95.52
68.0-69.0	804.78	87.45	13548.86	0.62	96.14
69.0-70.0	712.38	77.92	13626.77	0.55	96.69
70.0-71.0	617.61	68.74	13695.52	0.49	97.18
71.0-72.0	549.95	60.71	13756.23	0.43	97.61
72.0-73.0	482.38	53.98	13810.21	0.38	97.99
73.0-74.0	421.77	47.53	13857.74	0.34	98.33
74.0-75.0	368.10	41.73	13899.48	0.30	98.63
75.0-76.0	322.96	36.68	13936.16	0.26	98.89
76.0-77.0	275.54	31.91	13968.07	0.23	99.11
77.0-78.0	236.27	27.40	13995.47	0.19	99.31
78.0-79.0	195.35	23.19	14018.66	0.16	99.47
79.0-80.0	152.58	18.76	14037.42	0.13	99.61
80.0-81.0	122.48	14.87	14052.29	0.11	99.71

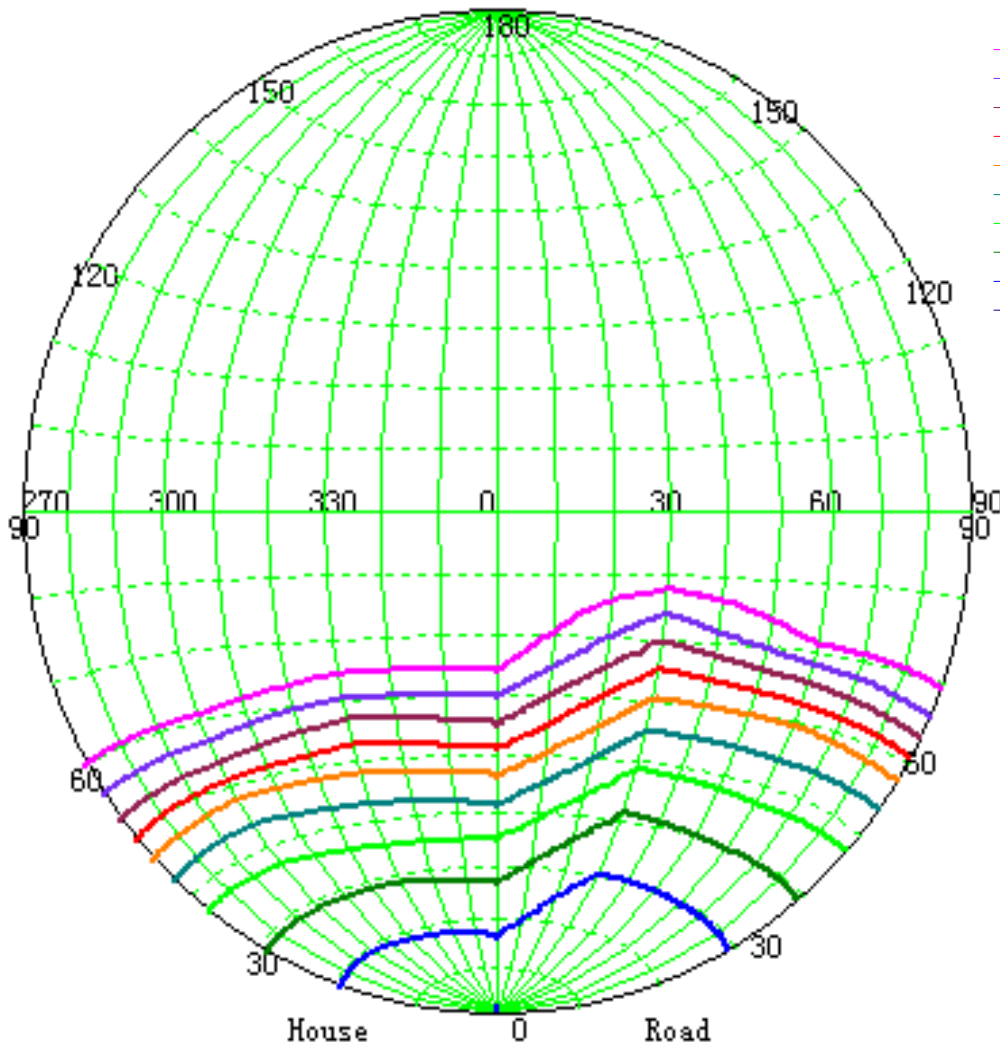


Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
81.0-82.0	91.33	11.59	14063.89	0.08	99.79
82.0-83.0	67.46	8.63	14072.52	0.06	99.86
83.0-84.0	51.48	6.48	14079.00	0.05	99.90
84.0-85.0	31.27	4.52	14083.51	0.03	99.93
85.0-86.0	26.55	3.16	14086.67	0.02	99.96
86.0-87.0	20.17	2.56	14089.23	0.02	99.97
87.0-88.0	14.23	1.88	14091.12	0.01	99.99
88.0-89.0	8.21	1.23	14092.35	0.01	100.00
89.0-90.0	-16.83	-0.47	14091.87	0.00	99.99



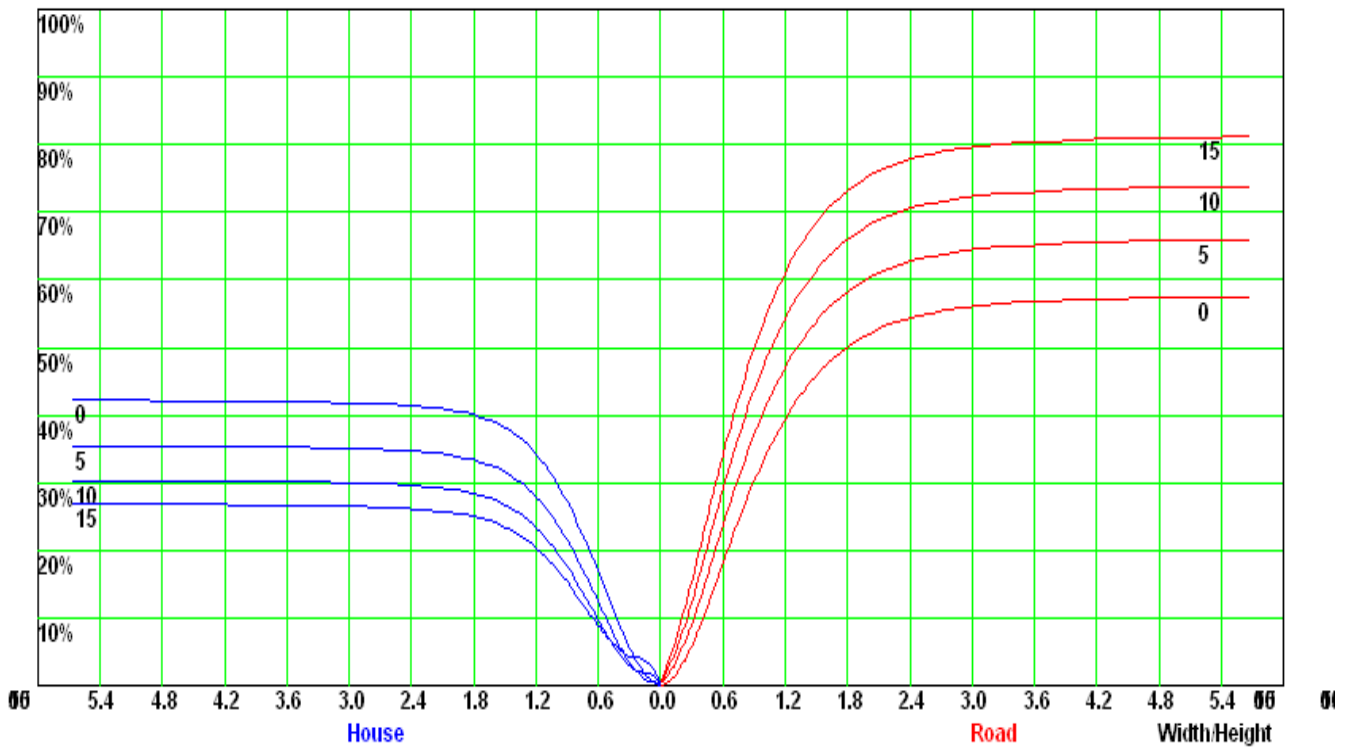
Iso-Candela [cd]



- (10%): 566.3902 cd
- (20%): 1132.78 cd
- (30%): 1699.171 cd
- (40%): 2265.561 cd
- (50%): 2831.951 cd
- (60%): 3398.341 cd
- (70%): 3964.731 cd
- (80%): 4531.122 cd
- (90%): 5097.512 cd
- (100%): 5663.902 cd

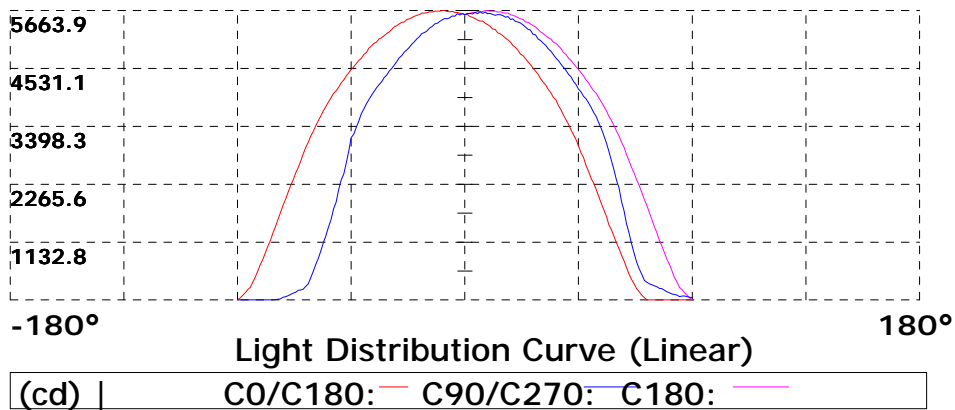
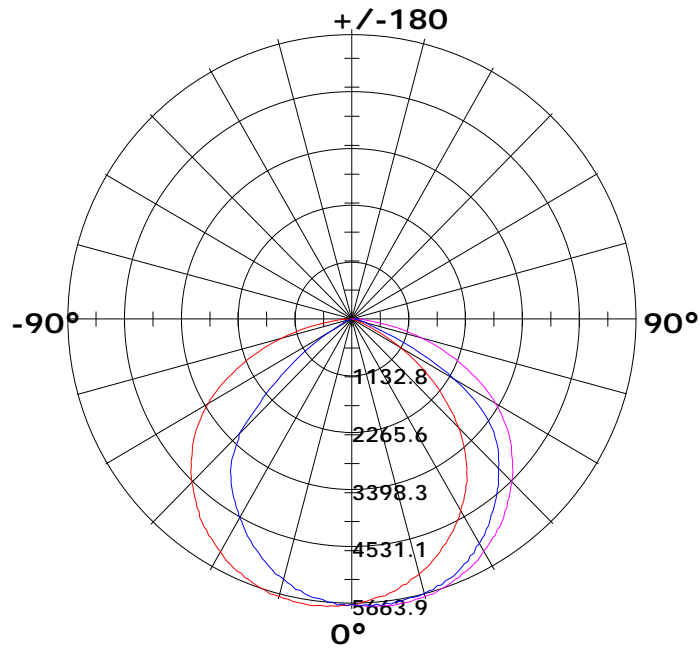


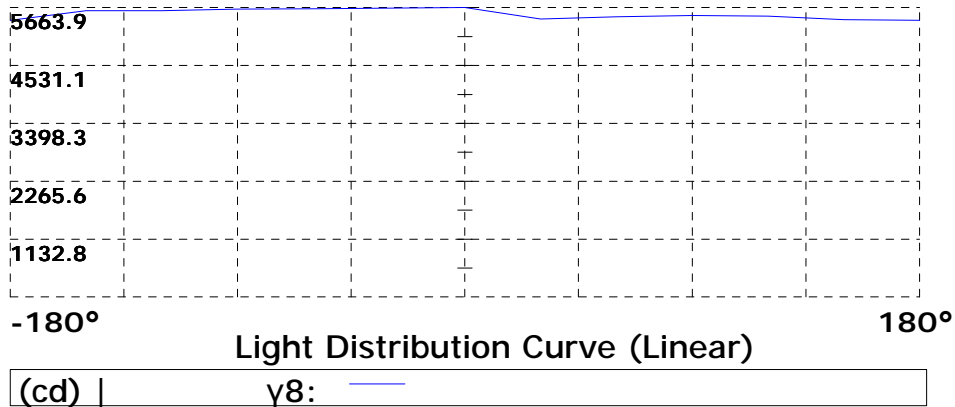
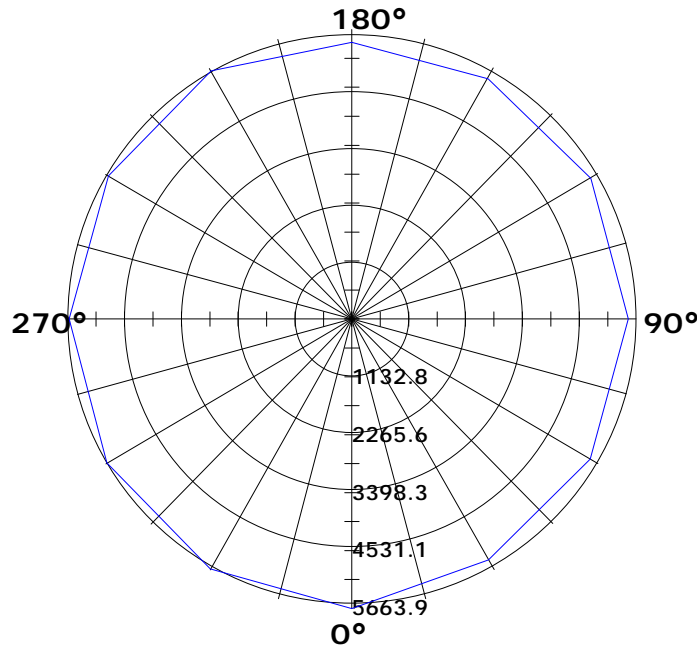
Coefficient Utilization Curve





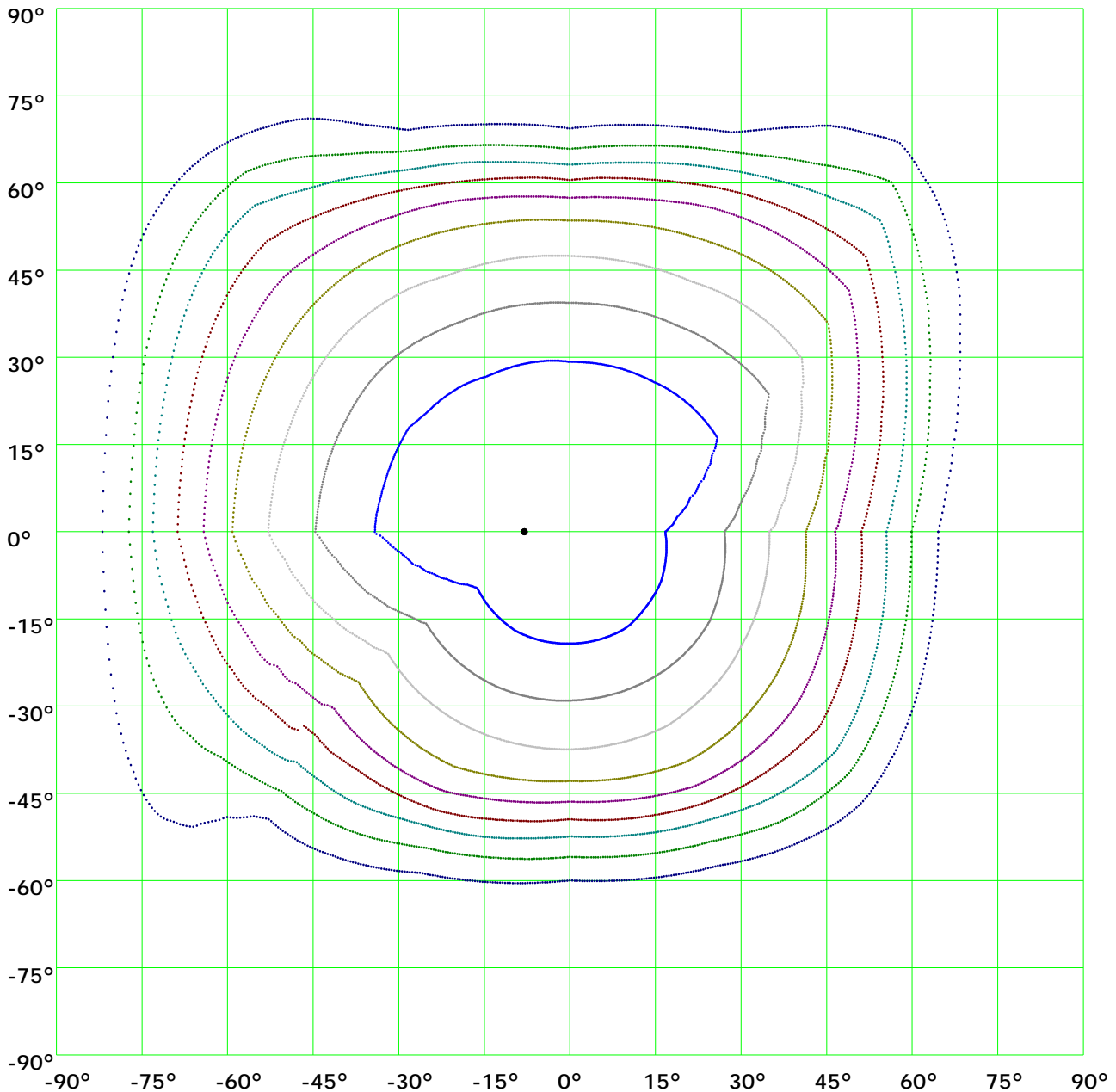
Light Distribution Curve [Unit: cd]







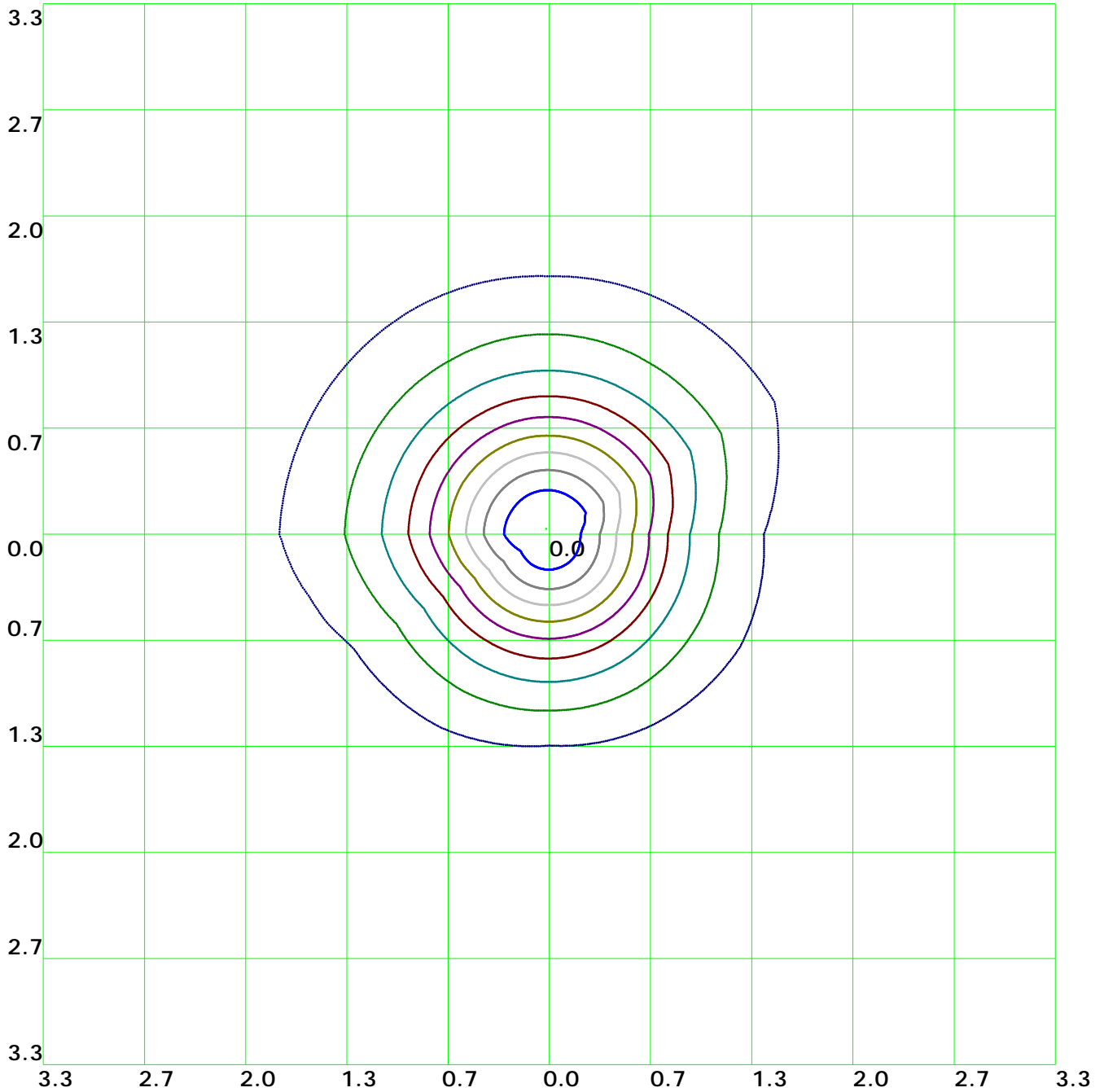
Isocandela(rectangle)



— (10%): 566.4cd	— (20%): 1132.8cd	— (30%): 1699.2cd	— (40%): 2265.6cd
— (50%): 2832.cd	— (60%): 3398.3cd	— (70%): 3964.7cd	— (80%): 4531.1cd
— (90%): 5097.5cd	— (100%): 5663.9cd		



Isolx curve

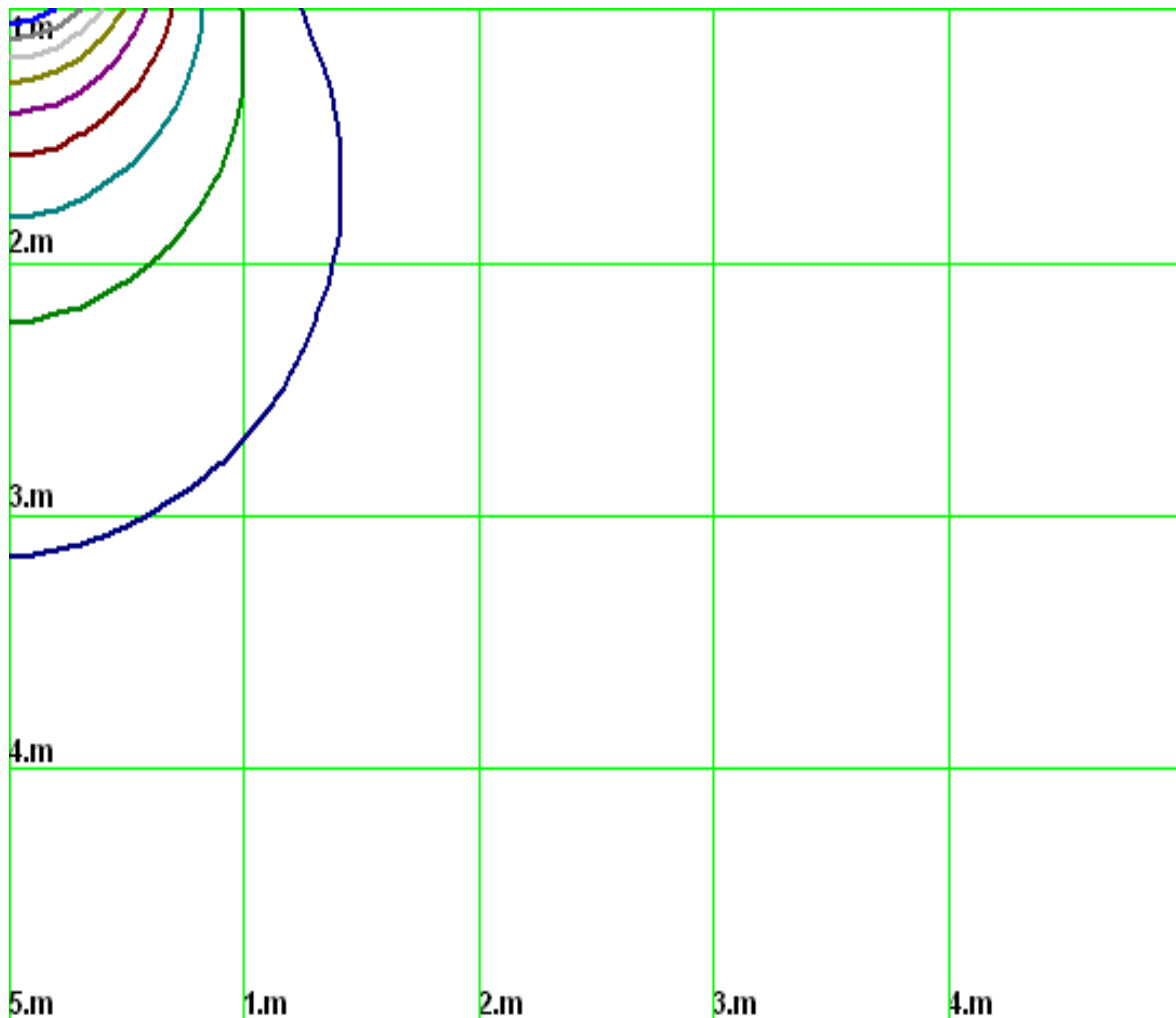


Height: 1 m

— (10%): 566.4lx	— (20%): 1132.8lx	— (30%): 1699.2lx	— (40%): 2265.6lx
— (50%): 2832.1lx	— (60%): 3398.3lx	— (70%): 3964.7lx	— (80%): 4531.1lx
— (90%): 5097.5lx	— (100%): 5658.2lx		



Space Isolx Curve



- (10%): 566.4lx — (20%): 1132.8lx — (30%): 1699.2lx — (40%): 2265.6lx
- (50%): 2832.1lx — (60%): 3398.3lx — (70%): 3964.7lx — (80%): 4531.1lx
- (90%): 5097.5lx — (100%): 5658.2lx



Luminance Limiting Curve

Diameter: 0mm

Length: 0mm

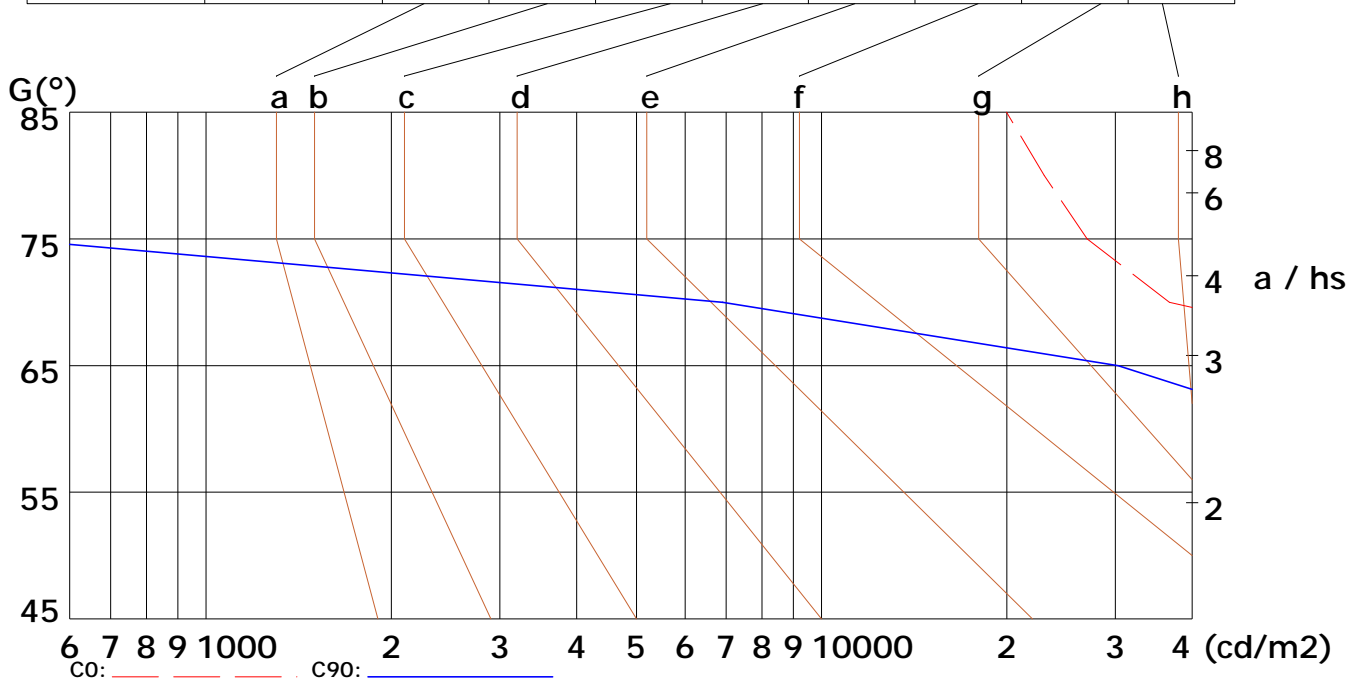
Width: 0mm

Height: 0mm

(cd/m²)

γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	145944	446579	139928	17332	77865	36719			
C90	106750	25087	66915	55934	30353	6902			

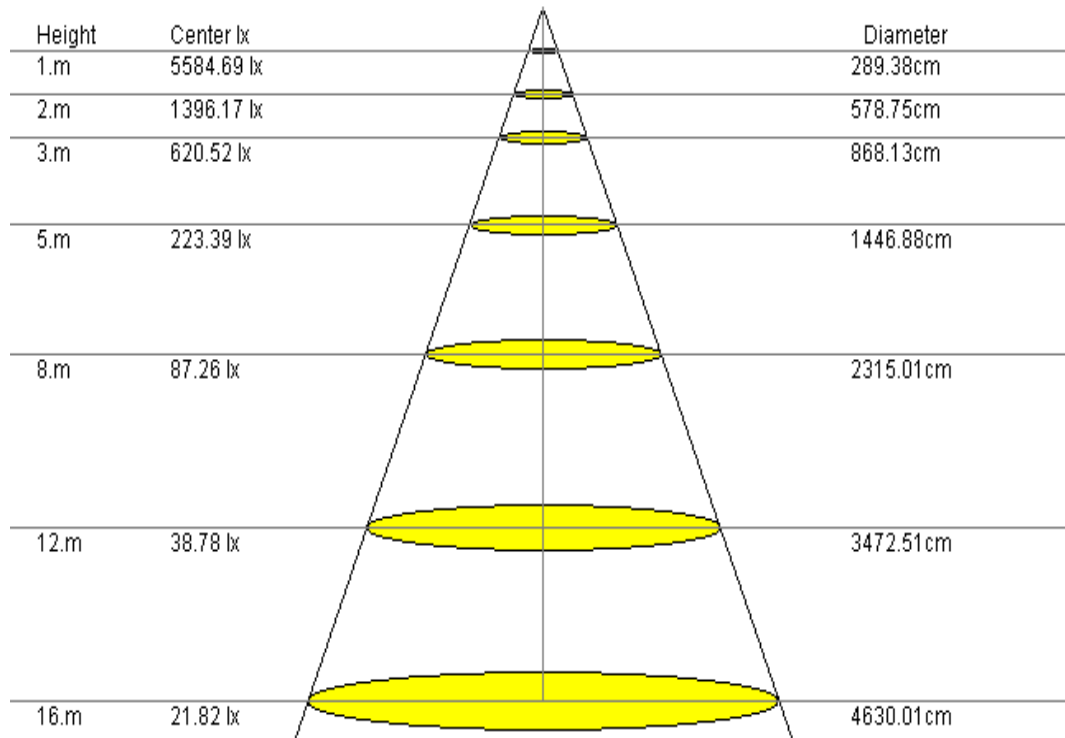
Glare	Quality	Service Values Illuminance (lx)									
1.15	A	2000	1000	500	≤300						
1.5	B		2000	1000	500	≤300					
1.85	C			2000	1000	500	≤300				
2.2	D				2000	1000	500	≤300			
2.55	E					2000	1000	500	≤300		



Lum. Limiting Curve (C0/C90)



Lux-Distance Curve



Beam Angle: 110.70° (50%Imax)

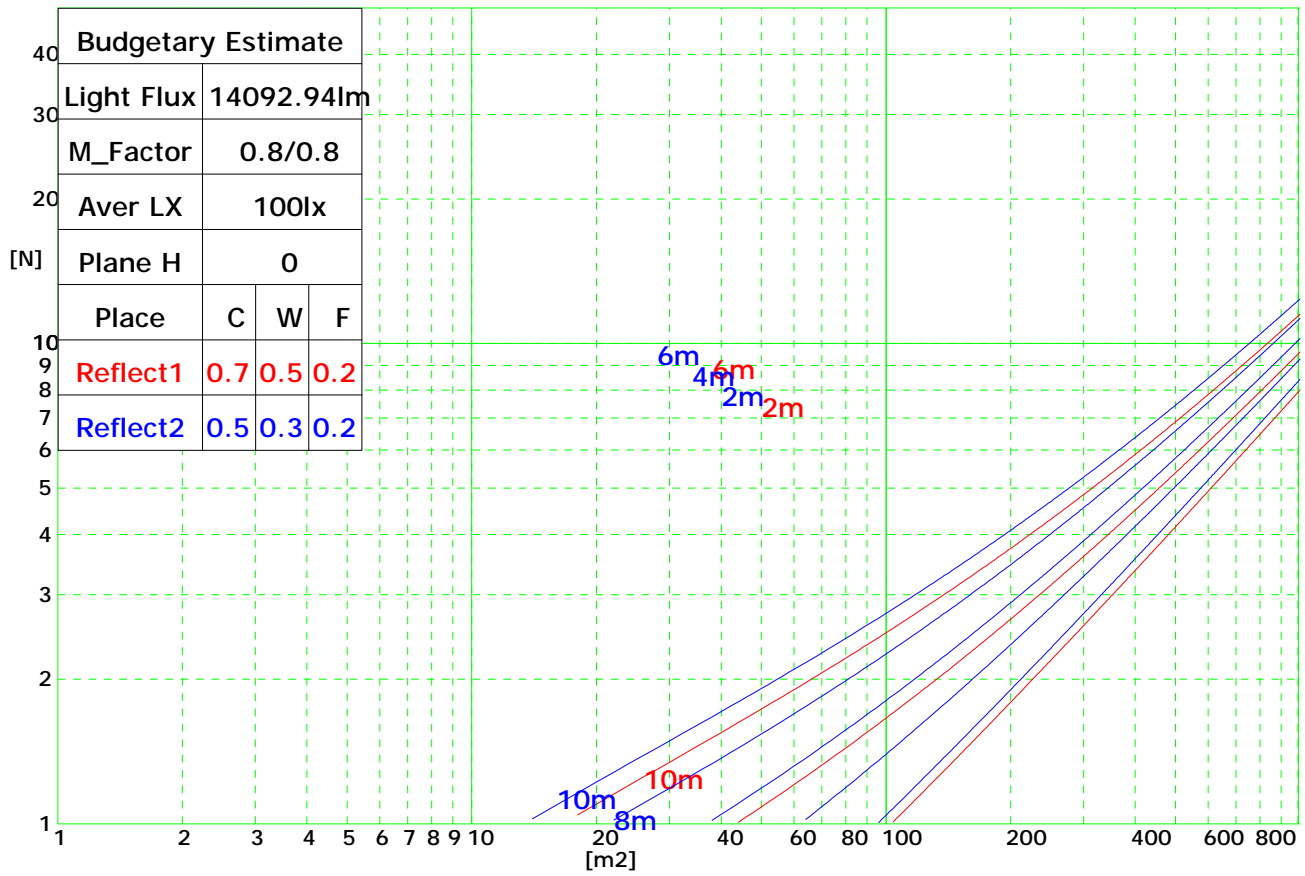


Coefficients of Utilization

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	1.08	1.06	1.05	1.06	1.04	1.03	1.02	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.87	0.82
2	0.93	0.91	0.89	0.93	0.90	0.88	0.90	0.87	0.84	0.86	0.83	0.80	0.81	0.78	0.74	0.70
3	0.81	0.78	0.77	0.81	0.78	0.75	0.79	0.75	0.72	0.77	0.72	0.68	0.73	0.68	0.64	0.60
4	0.71	0.68	0.66	0.71	0.67	0.65	0.70	0.66	0.62	0.68	0.63	0.59	0.66	0.60	0.56	0.52
5	0.62	0.60	0.58	0.63	0.59	0.57	0.62	0.58	0.54	0.61	0.56	0.52	0.60	0.54	0.49	0.45
6	0.55	0.53	0.51	0.56	0.52	0.50	0.56	0.51	0.48	0.56	0.50	0.46	0.55	0.48	0.43	0.40
7	0.49	0.47	0.45	0.50	0.47	0.44	0.51	0.46	0.42	0.51	0.45	0.41	0.50	0.44	0.39	0.35
8	0.44	0.42	0.40	0.45	0.42	0.40	0.46	0.41	0.38	0.46	0.41	0.36	0.46	0.40	0.35	0.31
9	0.40	0.38	0.36	0.41	0.38	0.36	0.42	0.37	0.34	0.43	0.37	0.33	0.43	0.36	0.31	0.28
10	0.37	0.34	0.33	0.37	0.34	0.32	0.39	0.34	0.31	0.39	0.34	0.30	0.40	0.33	0.28	0.26



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	Left to light axis direction of observation					Direction of light axis parallel observation					
X	Y										
2H	2H	14.7	16.0	14.9	15.9	16.5	14.7	15.9	14.8	16.0	16.5
	3H	16.3	17.4	16.7	17.9	17.9	16.2	17.4	16.4	17.8	18.0
	4H	16.9	18.1	17.4	18.7	18.8	16.9	18.1	17.3	18.5	18.8
	6H	17.6	18.5	18.0	18.9	18.9	17.4	18.3	17.8	18.9	19.0
	8H	17.8	18.9	18.1	19.0	19.3	17.7	18.7	17.9	19.0	19.3
4H	12H	17.9	18.8	18.1	19.2	19.5	17.7	18.7	18.1	19.2	19.6
	2H	15.7	16.6	15.9	16.8	17.0	15.6	16.6	15.8	16.9	17.0
	3H	17.5	18.4	17.7	18.4	18.8	17.3	18.2	17.6	18.3	18.7
	4H	18.3	18.9	18.5	19.1	19.5	18.0	18.9	18.4	19.1	19.6
	6H	18.8	19.5	19.1	19.8	20.2	18.7	19.5	18.9	19.7	20.0
8H	8H	19.0	19.7	19.4	20.0	20.3	19.0	19.5	19.3	20.0	20.3
	12H	19.2	19.8	19.7	20.0	20.5	19.1	19.8	19.5	20.1	20.5
	4H	18.5	19.2	18.8	19.4	19.8	18.5	19.1	18.7	19.4	19.8
	6H	19.3	19.8	19.8	20.2	20.6	19.2	19.7	19.6	20.2	20.5
	8H	19.8	20.2	20.2	20.5	20.9	19.6	20.0	20.1	20.4	21.0
12H	12H	20.0	20.4	20.4	20.9	21.1	19.8	20.3	20.3	20.8	21.2
	4H	18.6	19.2	19.1	19.6	19.8	18.5	19.0	18.9	19.4	19.8
	6H	19.5	20.0	19.9	20.2	20.7	19.4	19.9	19.8	20.2	20.6
	8H	19.9	20.3	20.4	20.5	21.1	19.8	20.2	20.3	20.6	21.0