

Luminaire Property

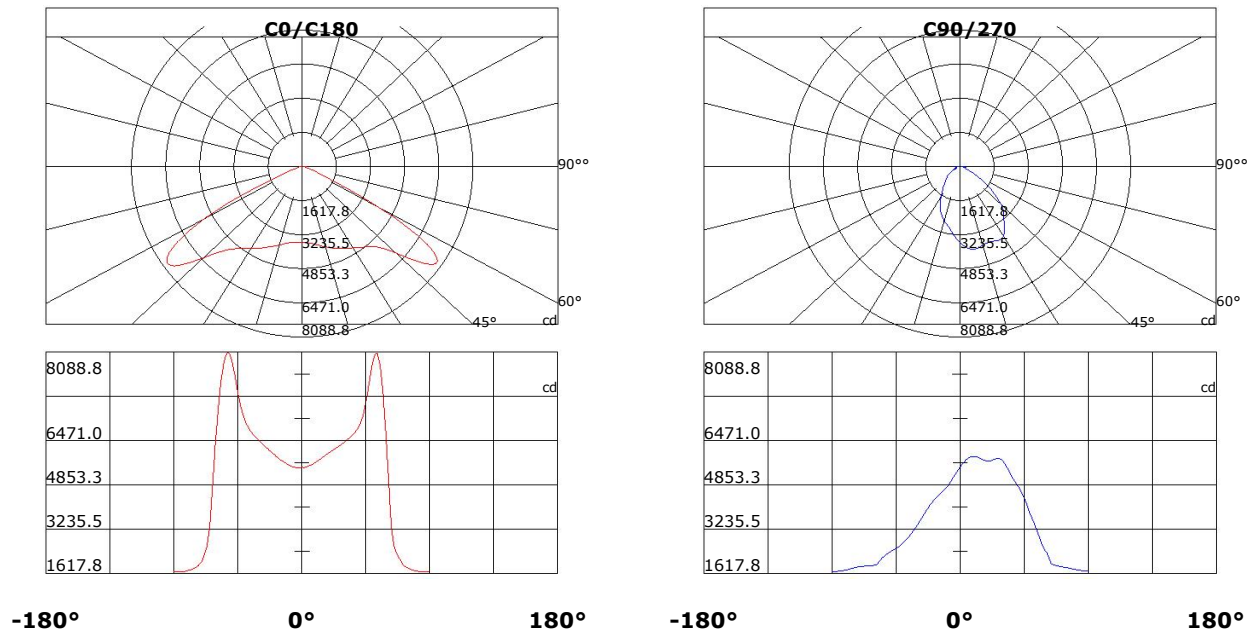
Luminaire Description: 100W
 Luminaire Category: 100w 宝刀
 Lamp Category:
 Lamp Description:
 Number of Lamp:
 Lamp Lumens(lm): NA
 Luminous Length(m): 0.0
 Luminous Width(m): 0.0
 Luminous Height(m): 0.0

Voltage: 221.6 V
 Current: 0.5 A
 Power: 106.25 W
 Power Factor: 0.958
 Test Lab: 0
 Photometric Type: Type C
 Manufacturer:

Photometric Results

CIE Class: Direct
 Luminaire Lumens: 12794.37 lm
 Efficiency: 120.4176 lm/W
 Central Intensity: 3901.353cd
 Max. Intensity: 8088.79cd
 Field Angle(10%Imax): NA

Max.Intensity Angle: C:180.0 G:52.0
 Beam Angle(50%Imax): L: -9.8 R:112.3
 Luminaire Efficacy Rating(LER) : 100.00%
 Upward Ratio: NA
 Downward Ratio: NA
 Beamwidth(50%Imax): H=120.28V=115.47



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	3901.4	3869.2	3880.3	3894.3	3911.9	3938.4	3959.0	3984.0	4008.2	4046.5
C45.0	3901.4	4042.1	4078.8	4128.8	4169.3	4205.3	4246.5	4273.7	4307.5	4334.7
C90.0	3901.4	3962.6	4027.3	4091.3	4142.8	4189.9	4226.7	4253.8	4269.3	4271.5
C135.0	3901.4	3917.8	3969.3	4019.2	4077.4	4131.0	4182.5	4234.7	4284.7	4333.3
C180.0	3901.4	3864.1	3860.4	3865.6	3871.4	3885.4	3906.8	3904.6	3933.9	3957.5
C225.0	3901.4	3949.4	3895.7	3849.4	3791.3	3747.9	3686.2	3633.9	3585.4	3528.0
C270.0	3901.4	3816.3	3734.7	3652.3	3572.1	3494.9	3411.1	3333.9	3265.5	3192.0
C315.0	3901.4	3806.7	3753.1	3704.5	3652.3	3593.5	3548.6	3494.9	3460.4	3407.4
C360.0	3901.4	3869.2	3880.3	3894.3	3911.9	3938.4	3959.0	3984.0	4008.2	4046.5
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	4073.7	4109.0	4148.0	4184.0	4226.7	4260.5	4296.5	4340.6	4368.6	4412.7
C45.0	4365.6	4383.2	4412.7	4431.8	4453.1	4463.4	4490.6	4521.5	4548.0	4588.4
C90.0	4270.8	4267.8	4253.1	4224.4	4202.4	4174.4	4153.1	4133.3	4117.1	4104.6
C135.0	4381.0	4432.5	4471.5	4525.2	4560.5	4606.8	4650.2	4695.8	4741.4	4794.3
C180.0	3985.4	4014.1	4045.7	4083.2	4119.3	4148.0	4185.4	4233.2	4281.8	4328.8
C225.0	3479.5	3437.6	3391.3	3351.5	3313.3	3275.1	3239.8	3208.9	3183.9	3160.4
C270.0	3129.5	3069.9	3015.5	2964.0	2919.9	2869.9	2820.6	2771.4	2709.6	2647.8
C315.0	3364.8	3325.8	3290.5	3255.2	3220.7	3189.0	3158.2	3127.3	3098.6	3069.9
C360.0	4073.7	4109.0	4148.0	4184.0	4226.7	4260.5	4296.5	4340.6	4368.6	4412.7
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	4442.1	4484.0	4523.0	4547.2	4592.1	4629.6	4661.2	4689.9	4738.5	4767.8
C45.0	4624.4	4676.7	4733.3	4799.5	4867.9	4944.3	5033.3	5123.1	5202.5	5282.6
C90.0	4113.4	4112.6	4132.5	4152.4	4172.2	4187.7	4196.5	4194.3	4189.9	4158.2
C135.0	4842.8	4901.0	4959.8	5028.9	5092.9	5167.9	5241.4	5319.4	5408.4	5492.9
C180.0	4362.7	4407.5	4449.5	4500.2	4552.4	4604.6	4650.2	4701.7	4751.7	4795.1
C225.0	3139.8	3119.2	3108.1	3078.7	3060.3	3046.4	3020.6	2998.6	2971.4	2941.9
C270.0	2586.0	2514.7	2441.9	2355.1	2288.2	2200.7	2117.6	2033.7	1948.5	1866.1
C315.0	3037.5	3011.8	2980.9	2945.6	2904.4	2867.7	2825.0	2780.9	2731.6	2680.2
C360.0	4442.1	4484.0	4523.0	4547.2	4592.1	4629.6	4661.2	4689.9	4738.5	4767.8
C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	4812.7	4853.9	4901.0	4939.9	4994.3	5040.0	5092.1	5136.3	5209.8	5283.4
C45.0	5359.9	5417.2	5459.1	5479.7	5470.1	5439.3	5394.4	5333.4	5264.2	5201.0
C90.0	4115.6	4042.8	3965.6	3869.2	3775.1	3665.6	3575.1	3472.1	3390.5	3316.3
C135.0	5581.2	5665.8	5733.4	5799.6	5837.1	5861.3	5853.3	5831.2	5790.0	5730.5
C180.0	4839.9	4895.8	4947.3	4999.5	5059.8	5125.3	5193.6	5266.4	5356.2	5451.0
C225.0	2909.6	2873.5	2834.6	2794.9	2752.2	2693.4	2641.2	2587.5	2522.8	2459.6
C270.0	1777.1	1705.1	1624.9	1553.6	1480.8	1415.4	1352.8	1294.0	1228.5	1172.7
C315.0	2625.0	2577.2	2518.4	2452.2	2386.8	2325.7	2255.9	2185.2	2119.8	2045.5
C360.0	4812.7	4853.9	4901.0	4939.9	4994.3	5040.0	5092.1	5136.3	5209.8	5283.4

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	5370.8	5473.8	5611.3	5773.1	5998.1	6242.3	6546.7	6857.0	7193.8	7510.0
C45.0	5103.9	5020.8	4919.3	4828.9	4724.5	4606.8	4486.9	4363.4	4245.7	4123.7
C90.0	3238.3	3159.6	3069.2	2983.1	2877.2	2761.8	2625.0	2482.4	2331.6	2196.3
C135.0	5673.8	5600.3	5540.7	5479.0	5411.3	5363.5	5317.9	5271.6	5221.6	5179.7
C180.0	5572.4	5722.4	5891.5	6096.7	6334.2	6596.7	6872.5	7178.4	7442.4	7693.2
C225.0	2386.0	2305.9	2221.3	2129.4	2041.1	1940.4	1847.7	1746.2	1652.1	1558.7
C270.0	1117.5	1067.5	1027.1	984.4	949.1	915.3	884.4	853.5	824.8	796.9
C315.0	1972.7	1895.5	1820.5	1744.8	1656.5	1581.5	1499.9	1418.3	1335.2	1245.5
C360.0	5370.8	5473.8	5611.3	5773.1	5998.1	6242.3	6546.7	6857.0	7193.8	7510.0
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	7766.0	7958.6	8043.2	8031.4	7871.8	7585.0	7185.0	6622.5	5894.5	5137.7
C45.0	4002.3	3877.3	3739.8	3573.6	3402.3	3204.5	2958.8	2690.5	2366.9	2043.3
C90.0	2076.4	1963.2	1847.0	1709.5	1572.0	1419.8	1275.6	1127.8	1001.3	899.1
C135.0	5128.9	5052.5	4948.8	4795.1	4615.6	4372.3	4095.7	3793.5	3440.5	3078.0
C180.0	7907.9	8033.6	8088.8	8035.1	7889.5	7684.3	7384.3	7037.2	6540.8	5961.4
C225.0	1470.5	1377.8	1289.6	1214.6	1135.1	1057.2	991.7	924.8	860.9	807.9
C270.0	763.0	727.8	699.8	659.4	613.8	561.6	475.5	417.5	360.8	312.3
C315.0	1169.0	1078.5	1001.3	929.3	865.3	805.0	746.9	701.3	649.8	609.4
C360.0	7766.0	7958.6	8043.2	8031.4	7871.8	7585.0	7185.0	6622.5	5894.5	5137.7
C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	4286.9	3364.8	2433.1	1740.3	1258.0	988.8	817.5	696.9	603.5	531.4
C45.0	1706.5	1435.2	1183.0	1008.7	884.4	795.4	722.6	653.5	599.1	535.1
C90.0	821.9	743.2	624.1	465.2	360.1	316.0	306.4	296.8	282.9	269.6
C135.0	2676.5	2291.9	1924.2	1631.5	1361.6	1166.8	1035.9	930.7	847.6	764.5
C180.0	5356.2	4663.5	3902.3	3069.9	2355.9	1717.6	1277.8	971.2	785.9	643.2
C225.0	752.7	698.3	653.5	603.5	545.4	499.8	463.0	427.0	390.2	365.3
C270.0	302.7	298.3	289.5	293.9	283.6	278.5	273.3	268.2	262.3	253.5
C315.0	574.8	534.4	502.8	468.9	443.2	416.0	392.4	366.0	340.2	312.3
C360.0	4286.9	3364.8	2433.1	1740.3	1258.0	988.8	817.5	696.9	603.5	531.4
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	410.1	318.9	273.3	240.2	210.8	185.1	157.8	133.6	125.5	109.3
C45.0	463.0	332.1	274.1	238.0	209.4	179.9	159.3	143.9	127.7	121.8
C90.0	260.8	240.9	230.6	225.5	217.4	206.4	199.8	188.0	174.8	166.7
C135.0	680.7	590.3	494.7	339.5	277.7	239.5	203.5	177.7	160.1	145.3
C180.0	496.1	401.3	339.5	285.8	247.6	218.1	193.9	155.6	142.4	127.0
C225.0	335.1	311.5	285.1	261.6	239.5	207.9	190.2	170.4	152.7	136.6
C270.0	250.5	240.9	231.4	216.7	208.6	202.7	186.5	173.3	154.9	147.5
C315.0	288.0	260.8	231.4	206.4	191.7	166.7	148.3	140.2	131.4	122.6
C360.0	410.1	318.9	273.3	240.2	210.8	185.1	157.8	133.6	125.5	109.3

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
C0.0	95.3	84.3	75.5	77.7	74.0	68.9	71.1	75.5	74.7	77.7
C45.0	108.6	104.9	95.3	91.7	85.8	77.0	77.0	76.2	74.0	74.7
C90.0	157.1	145.3	136.6	128.5	118.2	108.6	104.2	91.7	88.0	79.9
C135.0	132.1	116.7	102.0	96.8	96.8	79.9	82.1	79.2	77.0	77.7
C180.0	116.0	90.9	84.3	77.7	74.0	77.0	75.5	77.0	74.7	75.5
C225.0	126.3	118.2	110.1	99.8	96.8	84.3	85.0	82.8	77.0	74.0
C270.0	134.3	125.5	113.0	106.4	98.3	89.5	81.4	78.4	73.3	77.0
C315.0	113.7	99.0	96.8	84.3	86.5	81.4	76.2	78.4	79.2	74.0
C360.0	95.3	84.3	75.5	77.7	74.0	68.9	71.1	75.5	74.7	77.7
C\G	G90.0									
C0.0	72.5									
C45.0	75.5									
C90.0	77.7									
C135.0	74.0									
C180.0	74.7									
C225.0	75.5									
C270.0	77.7									
C315.0	74.0									
C360.0	72.5									

Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	3901.35	0.00	0.00	0.00	0.00
0.0-1.0	3903.53	3.73	3.73	0.03	0.03
1.0-2.0	3899.94	11.20	14.93	0.09	0.12
2.0-3.0	3900.68	18.66	33.59	0.15	0.26
3.0-4.0	3898.57	26.11	59.70	0.20	0.47
4.0-5.0	3898.29	33.54	93.24	0.26	0.73
5.0-6.0	3895.90	40.96	134.20	0.32	1.05
6.0-7.0	3889.19	48.32	182.52	0.38	1.43
7.0-8.0	3889.37	55.67	238.19	0.44	1.86
8.0-9.0	3883.86	63.00	301.19	0.49	2.35
9.0-10.0	3881.29	70.27	371.46	0.55	2.90
10.0-11.0	3879.99	77.55	449.01	0.61	3.51
11.0-12.0	3878.53	84.81	533.82	0.66	4.17
12.0-13.0	3877.42	92.04	625.87	0.72	4.89
13.0-14.0	3876.98	99.26	725.12	0.78	5.67
14.0-15.0	3873.38	106.40	831.52	0.83	6.50
15.0-16.0	3874.31	113.53	945.05	0.89	7.39
16.0-17.0	3878.99	120.74	1065.79	0.94	8.33
17.0-18.0	3881.10	127.95	1193.74	1.00	9.33
18.0-19.0	3888.36	135.17	1328.91	1.06	10.39
19.0-20.0	3893.60	142.43	1471.34	1.11	11.50
20.0-21.0	3903.44	149.72	1621.06	1.17	12.67
21.0-22.0	3916.13	157.14	1778.20	1.23	13.90
22.0-23.0	3925.96	164.55	1942.74	1.29	15.18
23.0-24.0	3941.31	172.01	2114.75	1.34	16.53
24.0-25.0	3956.10	179.57	2294.32	1.40	17.93
25.0-26.0	3968.24	187.06	2481.38	1.46	19.39
26.0-27.0	3980.19	194.46	2675.84	1.52	20.91
27.0-28.0	3992.79	201.86	2877.69	1.58	22.49
28.0-29.0	3998.11	209.06	3086.76	1.63	24.13
29.0-30.0	4002.63	216.02	3302.78	1.69	25.81
30.0-31.0	4003.91	222.81	3525.59	1.74	27.56
31.0-32.0	3998.03	229.25	3754.83	1.79	29.35
32.0-33.0	3986.07	235.21	3990.05	1.84	31.19
33.0-34.0	3969.53	240.76	4230.81	1.88	33.07
34.0-35.0	3945.74	245.82	4476.63	1.92	34.99
35.0-36.0	3919.80	250.44	4727.07	1.96	36.95
36.0-37.0	3888.27	254.66	4981.72	1.99	38.94
37.0-38.0	3860.24	258.63	5240.36	2.02	40.96
38.0-39.0	3832.48	262.57	5502.93	2.05	43.01
39.0-40.0	3804.44	266.35	5769.28	2.08	45.09

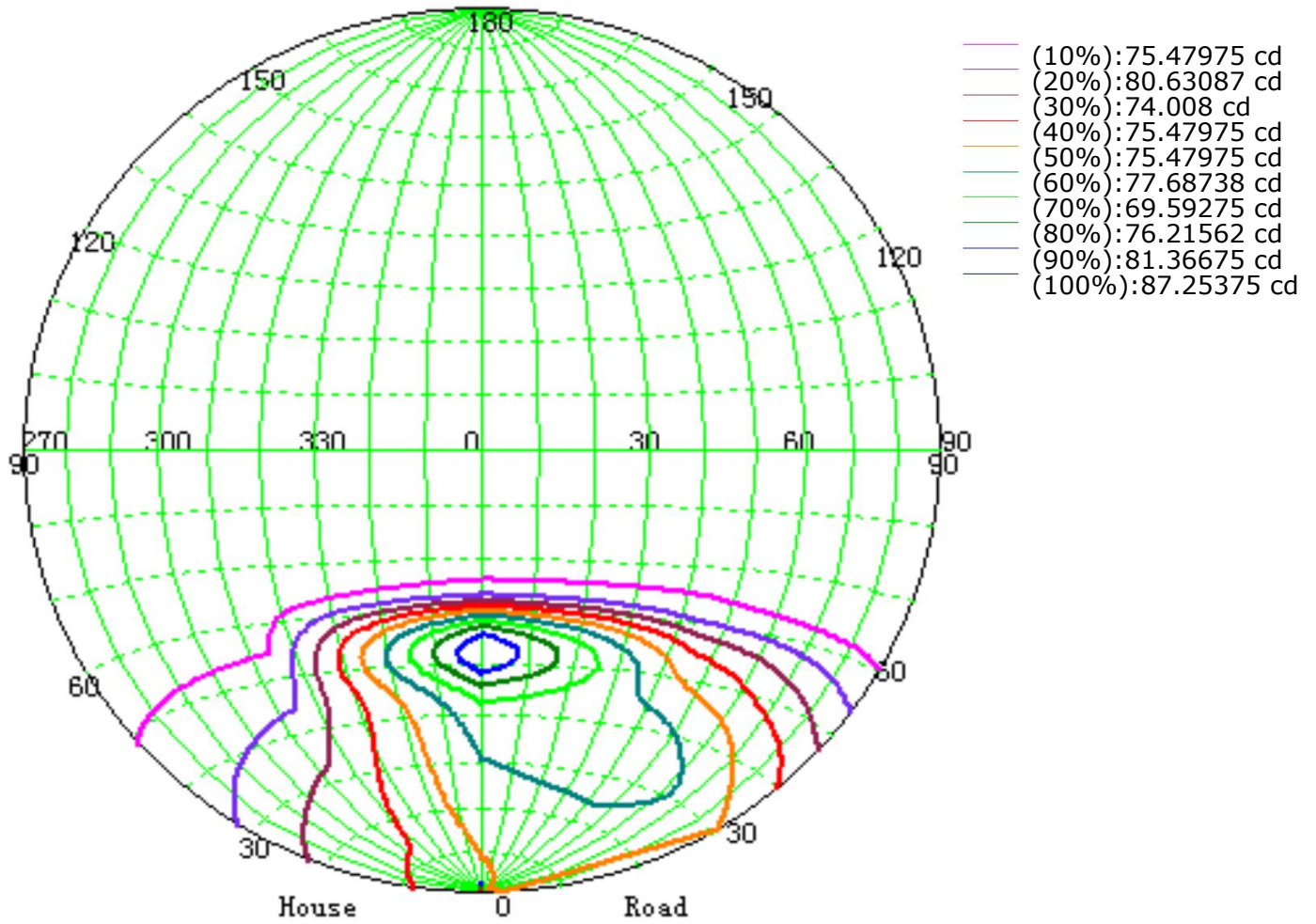
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	3780.72	270.10	6039.38	2.11	47.20
41.0-42.0	3762.62	274.06	6313.45	2.14	49.35
42.0-43.0	3752.41	278.38	6591.82	2.18	51.52
43.0-44.0	3749.01	283.12	6874.95	2.21	53.73
44.0-45.0	3751.04	288.24	7163.18	2.25	55.99
45.0-46.0	3760.14	293.75	7456.93	2.30	58.28
46.0-47.0	3771.36	299.55	7756.48	2.34	60.62
47.0-48.0	3780.91	305.30	8061.78	2.39	63.01
48.0-49.0	3787.99	310.82	8372.60	2.43	65.44
49.0-50.0	3785.51	315.76	8688.36	2.47	67.91
50.0-51.0	3758.66	319.18	9007.55	2.49	70.40
51.0-52.0	3707.28	320.37	9327.91	2.50	72.91
52.0-53.0	3618.48	318.67	9646.58	2.49	75.40
53.0-54.0	3495.67	313.56	9960.15	2.45	77.85
54.0-55.0	3336.20	304.96	10265.11	2.38	80.23
55.0-56.0	3139.20	292.61	10557.72	2.29	82.52
56.0-57.0	2914.37	276.78	10834.50	2.16	84.68
57.0-58.0	2639.45	256.83	11091.33	2.01	86.69
58.0-59.0	2356.13	233.55	11324.87	1.83	88.51
59.0-60.0	2059.79	208.62	11533.50	1.63	90.15
60.0-61.0	1753.69	181.99	11715.48	1.42	91.57
61.0-62.0	1439.06	153.85	11869.33	1.20	92.77
62.0-63.0	1160.25	126.42	11995.75	0.99	93.76
63.0-64.0	936.52	102.89	12098.63	0.80	94.56
64.0-65.0	772.35	84.57	12183.20	0.66	95.22
65.0-66.0	661.12	71.52	12254.72	0.56	95.78
66.0-67.0	576.29	62.22	12316.94	0.49	96.27
67.0-68.0	513.96	55.23	12372.17	0.43	96.70
68.0-69.0	459.36	49.65	12421.83	0.39	97.09
69.0-70.0	398.05	44.03	12465.86	0.34	97.43
70.0-71.0	337.10	38.00	12503.86	0.30	97.73
71.0-72.0	295.01	32.87	12536.73	0.26	97.99
72.0-73.0	251.71	28.59	12565.31	0.22	98.21
73.0-74.0	225.34	25.08	12590.39	0.20	98.41
74.0-75.0	200.79	22.51	12612.91	0.18	98.58
75.0-76.0	179.92	20.21	12633.12	0.16	98.74
76.0-77.0	160.34	18.14	12651.26	0.14	98.88
77.0-78.0	146.18	16.41	12667.67	0.13	99.01
78.0-79.0	134.61	15.09	12682.75	0.12	99.13
79.0-80.0	122.94	13.88	12696.64	0.11	99.24
80.0-81.0	110.61	12.63	12709.27	0.10	99.33

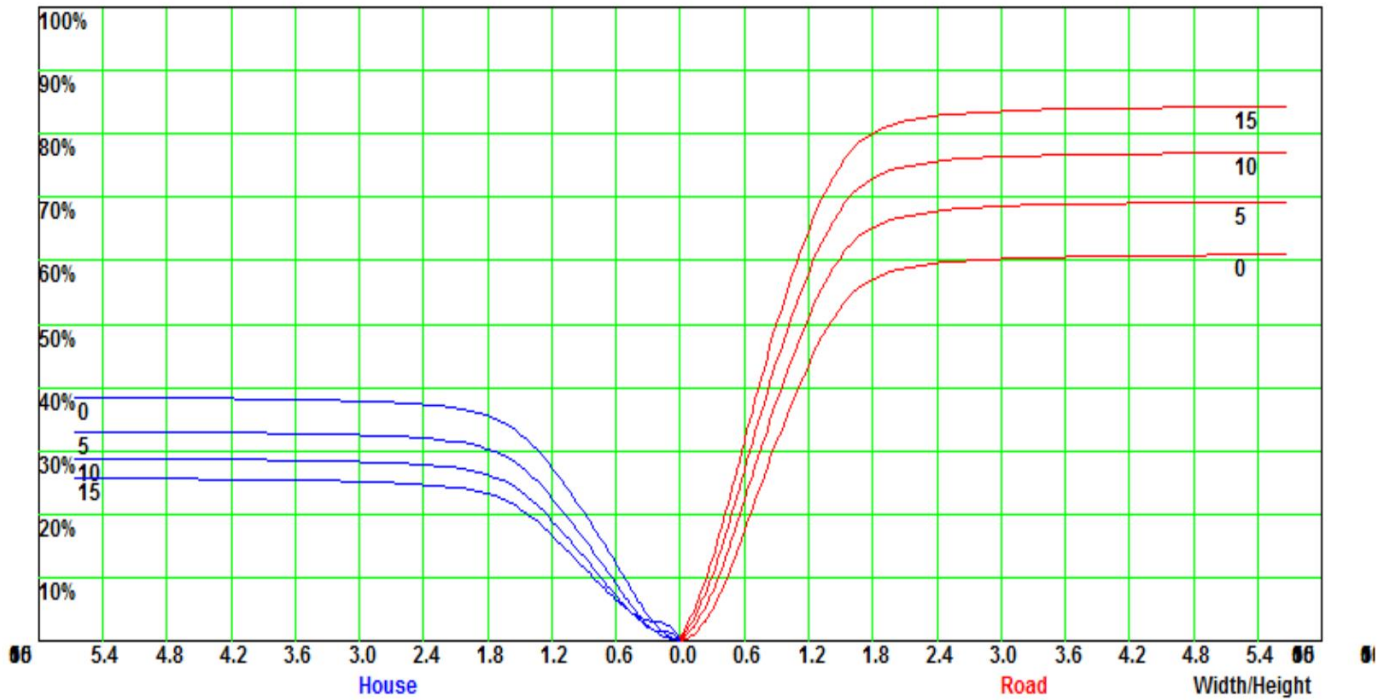
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
81.0-82.0	101.70	11.51	12720.78	0.09	99.42
82.0-83.0	95.35	10.71	12731.49	0.08	99.51
83.0-84.0	91.30	10.17	12741.66	0.08	99.59
84.0-85.0	83.30	9.53	12751.19	0.07	99.66
85.0-86.0	81.55	9.01	12760.20	0.07	99.73
86.0-87.0	79.90	8.84	12769.04	0.07	99.80
87.0-88.0	77.23	8.61	12777.64	0.07	99.87
88.0-89.0	76.31	8.42	12786.06	0.07	99.94
89.0-90.0	75.20	8.31	12794.37	0.06	100.00

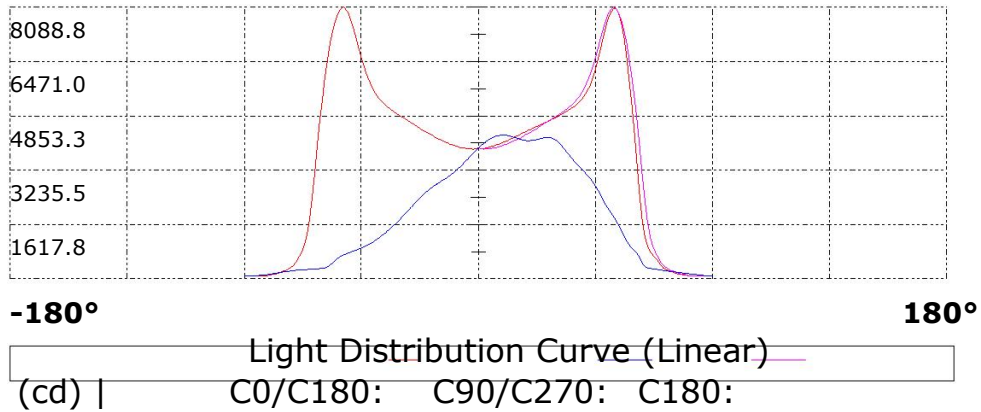
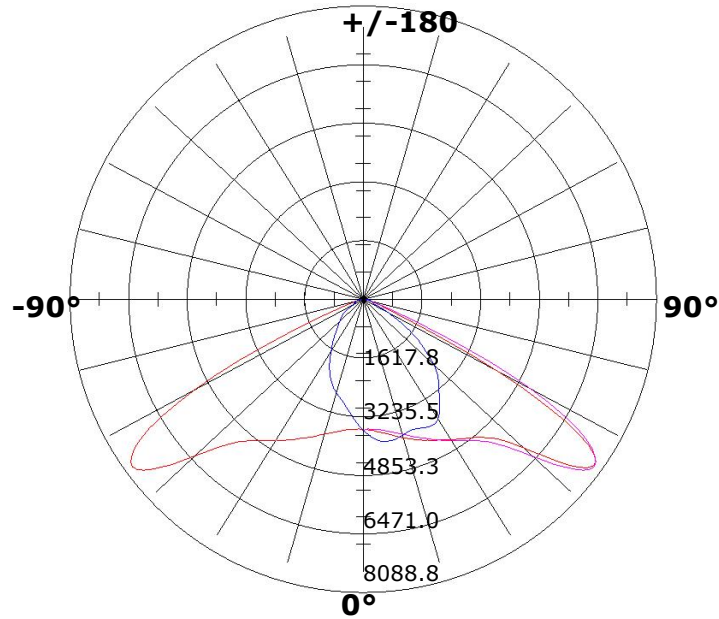
Iso-Candela [cd]

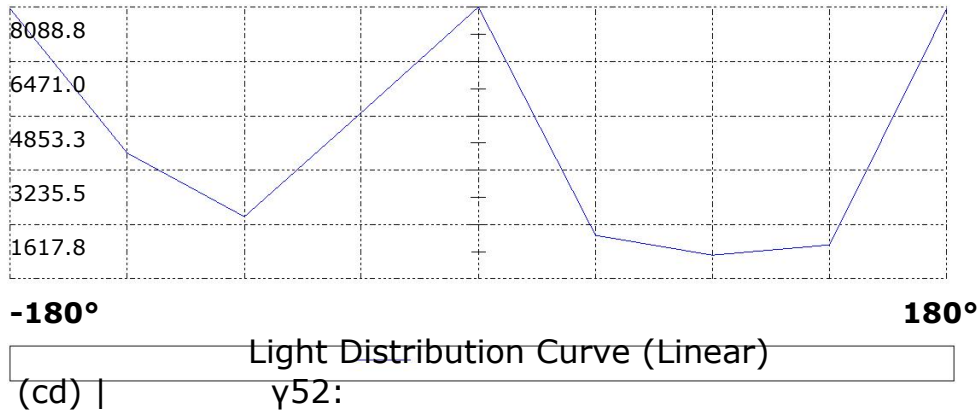
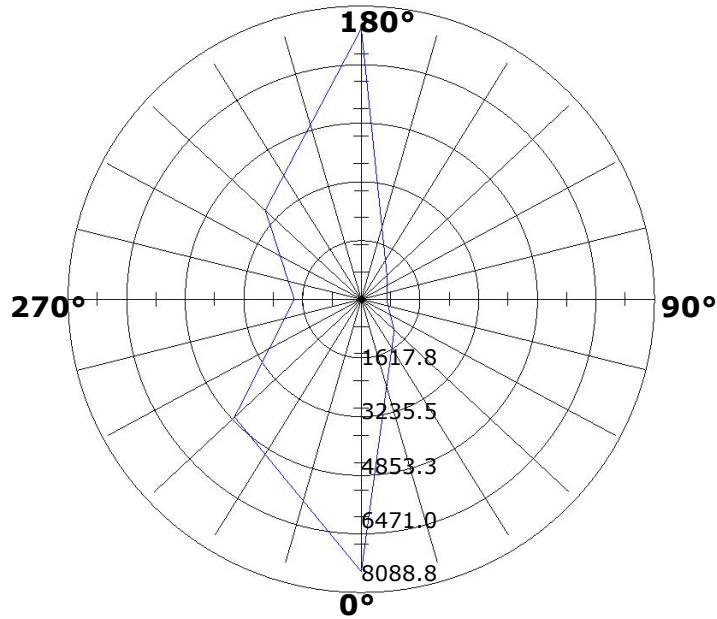


Coefficient Utilization Curve

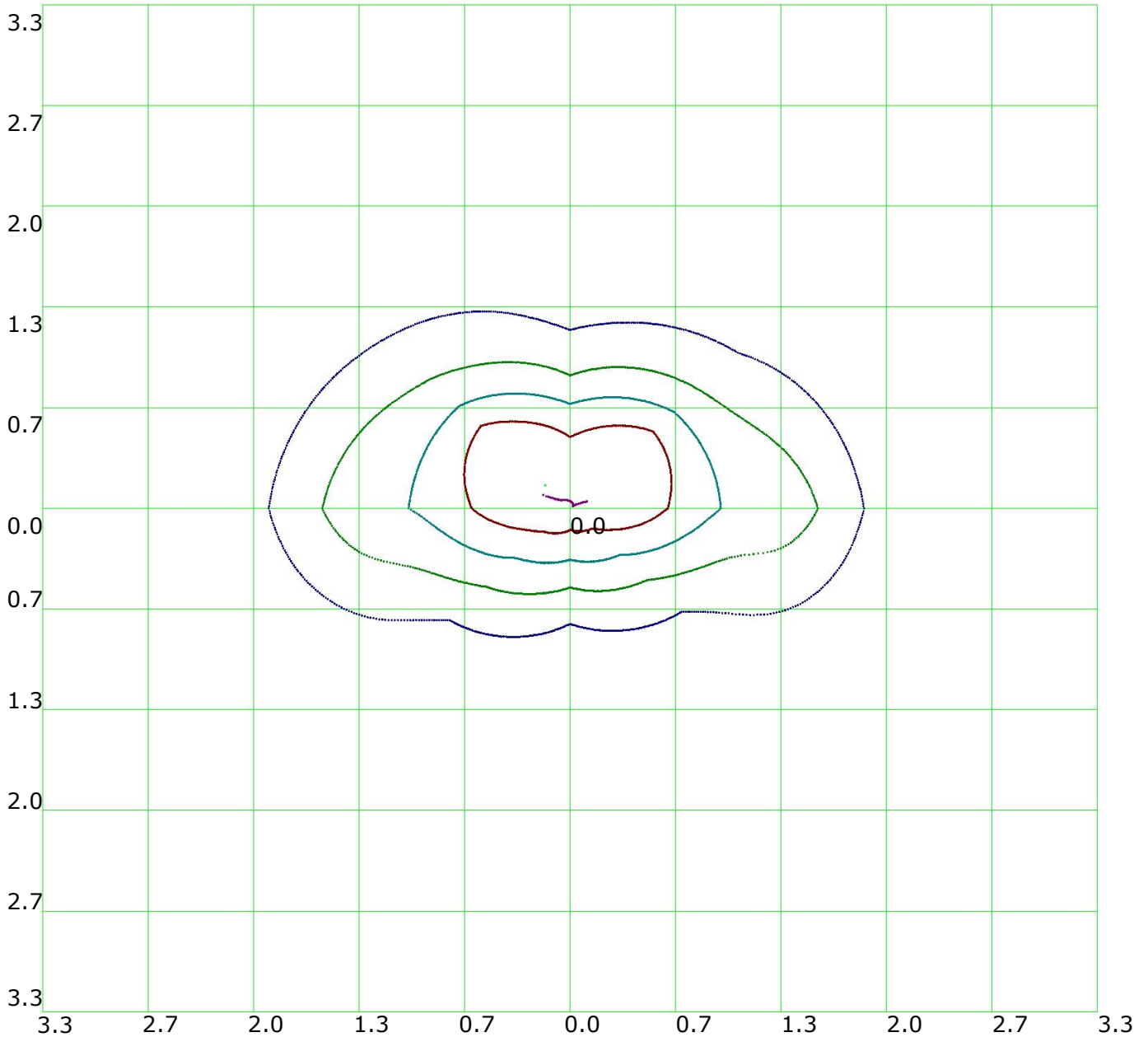


Light Distribution Curve [Unit: cd]





Isolx curve



Height: 1 m

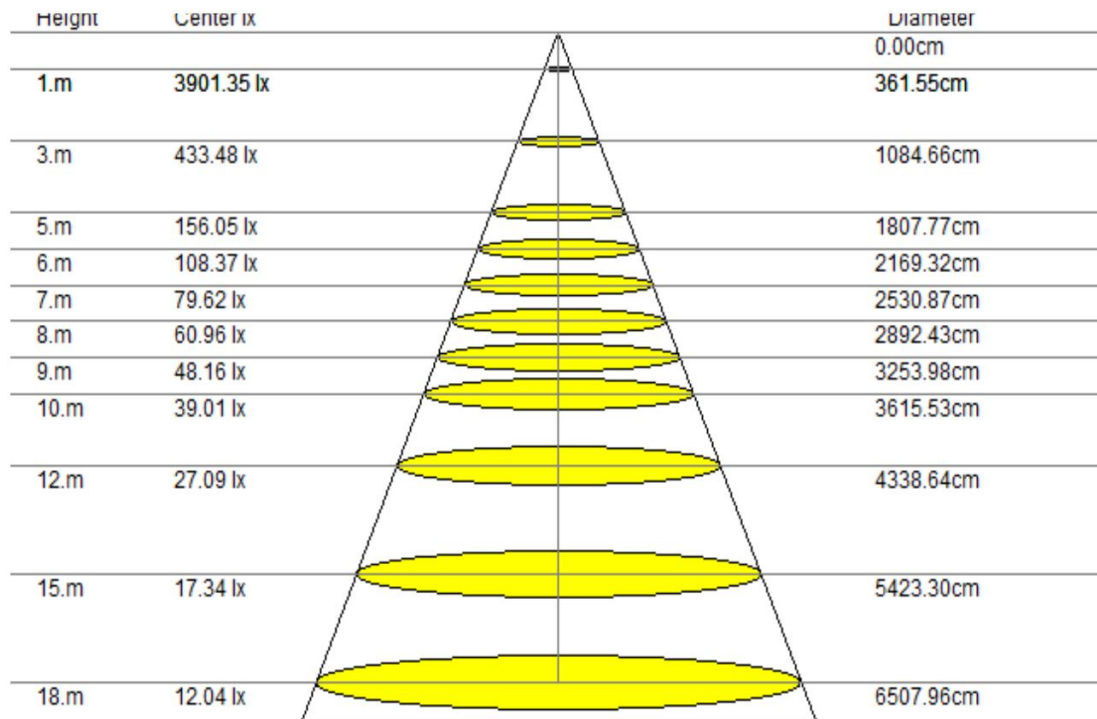
- | | | | |
|-------------------|--------------------|-------------------|-------------------|
| — (10%): 808.9lx | — (20%): 1617.8lx | — (30%): 2426.6lx | — (40%): 3235.5lx |
| — (50%): 4044.4lx | — (60%): 4853.3lx | — (70%): 5662.2lx | — (80%): 6471.1lx |
| — (90%): 7279.9lx | — (100%): 8080.7lx | | |

Space Isolx Curve



— (10%): 808.9lx	— (20%): 1617.8lx	— (30%): 2426.6lx	— (40%): 3235.5lx
— (50%): 4044.4lx	— (60%): 4853.3lx	— (70%): 5662.2lx	— (80%): 6471.1lx
— (90%): 7279.9lx	— (100%): 8080.7lx		

Lux-Distance Curve



Beam Angle: 122.10°(50%Imax)