

Luminaire Property

Luminaire Description: Round or Square 30W Ceiling Lights
 Luminaire Categorie:
 Lamp Categorie:
 Lamp Description:
 Number of Lamp:
 Lamp Lumens(lm): 3068.06
 Luminous Length(m):
 Luminous Width(m):
 Luminous Height(m):

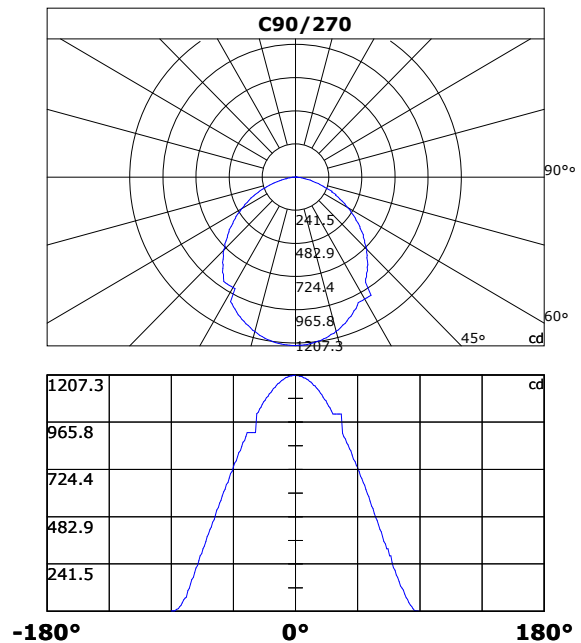
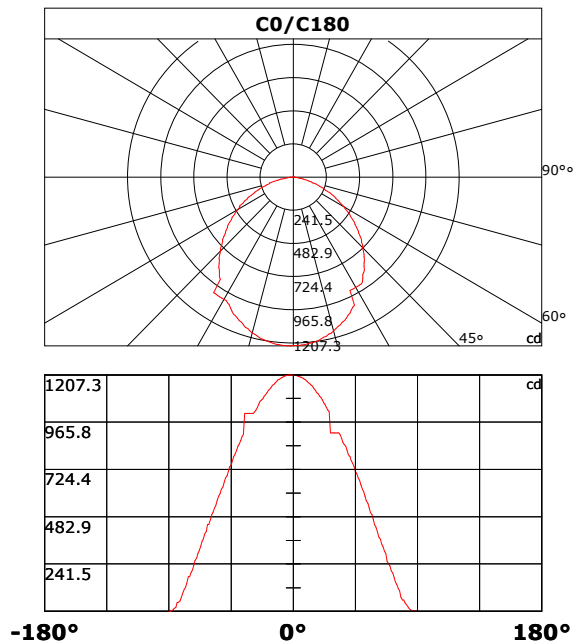
Voltage: 220.0 V
 Current: 0.129 A
 Power: 27.37 W
 Power Factor: 0.959
 Test Lab:
 Photometric Type: Type C

Photometric Results

CIE Class: Direct
 Measurement Flux: 3068.06 lm
 Efficiency: 112.0957 lm/W
 Central Intensity: 1204.927cd
 Max. Intensity: 1207.271cd
 Field Angle(10%Imax): 152.46, 150.02



Max.Intensity Angle: C:180.0 G:1.0
 Beam Angle(50%Imax): 102.86, 100.48
 Luminaire Efficacy Rating(LER) : 100.00%
 Upward Ratio: 0.0%
 Downward Ratio: 100.0%



Light intensity data Unit[cd]

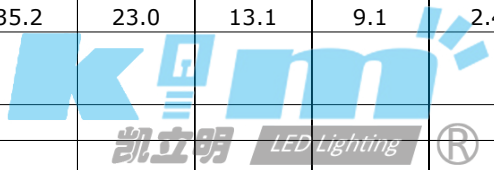
C\G	G0.0	G1.0	G2.0	G3.0	G4.0	G5.0	G6.0	G7.0	G8.0	G9.0
C0.0	1204.9	1205.5	1205.1	1202.3	1199.4	1197.3	1193.0	1190.5	1185.1	1181.5
C45.0	1204.9	1200.5	1199.0	1195.8	1192.3	1189.7	1184.7	1178.7	1175.8	1168.6
C90.0	1204.9	1203.7	1203.3	1200.8	1200.8	1196.2	1192.3	1189.7	1184.7	1181.5
C135.0	1204.9	1203.7	1202.3	1199.8	1198.3	1194.4	1189.7	1186.5	1180.8	1177.2
C180.0	1204.9	1207.3	1206.9	1205.8	1205.1	1203.0	1201.2	1197.6	1193.0	1190.5
C225.0	1204.9	1203.3	1203.3	1203.3	1202.3	1201.2	1198.7	1196.9	1193.0	1190.5
C270.0	1204.9	1204.4	1203.7	1202.3	1201.5	1198.7	1195.1	1193.0	1188.3	1183.0
C315.0	1204.9	1205.5	1205.8	1204.8	1204.1	1202.3	1199.8	1198.0	1193.3	1191.2
C360.0	1204.9	1205.5	1205.1	1202.3	1199.4	1197.3	1193.0	1190.5	1185.1	1181.5
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	1174.7	1167.2	1162.9	1153.3	1148.6	1138.6	1127.9	1116.8	1111.1	1098.6
C45.0	1160.4	1156.5	1147.2	1142.5	1132.2	1120.4	1114.7	1103.2	1096.8	1083.9
C90.0	1174.7	1171.5	1163.6	1154.7	1150.8	1141.1	1135.4	1125.4	1113.2	1107.1
C135.0	1166.9	1161.9	1152.6	1148.3	1138.3	1133.6	1122.5	1110.7	1104.6	1091.8
C180.0	1184.4	1181.5	1174.7	1166.5	1158.3	1154.0	1144.0	1133.6	1128.6	1116.8
C225.0	1185.8	1179.7	1176.5	1169.7	1166.1	1157.9	1148.3	1144.0	1134.0	1129.0
C270.0	1179.7	1172.6	1165.4	1160.8	1152.6	1142.9	1137.9	1127.2	1116.1	1110.0
C315.0	1186.2	1183.0	1176.2	1168.6	1164.7	1156.5	1146.8	1141.8	1131.5	1120.4
C360.0	1174.7	1167.2	1162.9	1153.3	1148.6	1138.6	1127.9	1116.8	1111.1	1098.6
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	1092.1	1078.5	1064.2	1057.1	1041.7	1026.7	1018.5	911.2	911.2	911.2
C45.0	1070.3	1063.2	1048.9	1041.0	1026.0	1017.7	913.3	913.3	913.3	913.3
C90.0	1094.6	1081.8	1075.0	1061.4	1046.0	1038.8	1023.1	1007.0	1007.0	1007.0
C135.0	1078.5	1071.7	1057.8	1050.3	1034.9	1019.2	1010.9	913.3	913.3	913.3
C180.0	1105.0	1098.6	1085.7	1078.9	1072.1	1057.8	1041.7	1026.0	1018.1	1009.9
C225.0	1117.5	1105.0	1100.0	1085.7	1079.2	1064.9	1051.0	1043.5	1028.1	1020.2
C270.0	1097.1	1090.7	1077.1	1070.7	1055.6	1041.0	1033.1	1017.4	1009.2	911.9
C315.0	1114.3	1108.6	1090.0	1082.8	1068.9	1062.1	1047.1	1031.7	1023.8	1007.7
C360.0	1092.1	1078.5	1064.2	1057.1	1041.7	1026.7	1018.5	911.2	911.2	911.2
C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	911.2	911.2	911.2	911.2	902.6	882.6	862.2	852.2	842.2	821.4
C45.0	913.3	913.3	913.3	903.7	882.9	863.3	853.2	832.9	812.1	791.0
C90.0	1007.0	1007.0	1007.0	1007.0	909.7	890.8	880.8	859.7	849.7	829.3
C135.0	913.3	913.3	913.3	913.3	894.4	874.7	865.0	844.7	834.3	814.3
C180.0	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	903.3	893.7	873.6	853.6
C225.0	1012.0	1012.0	1012.0	1012.0	1012.0	1012.0	1012.0	896.9	887.2	867.5
C270.0	911.9	911.9	911.9	911.9	911.9	911.9	892.6	872.6	862.9	841.4
C315.0	1007.7	1007.7	1007.7	1007.7	1007.7	1007.7	909.0	889.4	879.7	859.7
C360.0	911.2	911.2	911.2	911.2	902.6	882.6	862.2	852.2	842.2	821.4

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	800.3	789.9	768.8	758.1	737.0	714.9	703.8	680.9	669.4	646.2
C45.0	780.6	759.2	736.7	727.4	705.2	694.1	671.6	660.1	637.3	613.6
C90.0	819.3	798.2	777.1	766.0	744.9	733.8	712.0	689.8	678.7	655.5
C135.0	782.8	782.8	761.0	737.4	728.1	705.6	694.5	672.3	649.4	638.0
C180.0	843.9	823.2	802.5	791.7	770.6	747.7	737.0	714.9	692.3	681.2
C225.0	847.2	837.5	815.7	805.0	784.2	763.1	763.1	730.2	719.1	696.6
C270.0	821.1	810.7	789.6	768.8	758.1	737.0	714.9	703.4	680.9	658.0
C315.0	850.0	829.3	808.9	798.2	777.1	766.0	744.9	722.0	711.3	687.0
C360.0	800.3	789.9	768.8	758.1	737.0	714.9	703.8	680.9	669.4	646.2
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	622.2	610.4	587.2	563.6	551.4	527.5	503.5	491.3	467.0	442.0
C45.0	601.8	578.6	565.4	530.0	530.0	505.7	483.5	469.5	433.1	420.5
C90.0	644.0	621.2	597.9	586.1	562.9	537.5	525.7	501.4	477.8	465.2
C135.0	614.7	591.5	579.7	556.1	532.8	520.7	496.7	484.9	460.6	435.9
C180.0	658.3	635.5	624.0	600.4	589.3	565.7	541.8	529.3	505.7	491.7
C225.0	674.4	663.0	640.1	628.7	605.8	594.0	570.4	546.8	535.0	511.0
C270.0	646.9	623.7	612.2	588.6	565.0	553.2	529.6	517.5	492.4	467.7
C315.0	664.4	652.6	629.7	606.1	594.7	570.7	559.3	535.0	511.4	487.1
C360.0	622.2	610.4	587.2	563.6	551.4	527.5	503.5	491.3	467.0	442.0
C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	429.8	404.8	380.1	367.6	343.3	330.9	306.2	293.9	255.5	243.2
C45.0	408.4	383.7	371.2	346.5	334.3	309.5	284.9	260.5	248.3	223.9
C90.0	443.8	417.3	405.2	380.5	356.4	344.0	319.5	319.5	282.8	282.8
C135.0	411.6	399.1	386.9	348.6	336.4	324.0	299.5	287.2	262.9	226.4
C180.0	468.8	443.8	443.8	407.3	395.2	370.5	358.3	333.7	309.2	296.9
C225.0	485.3	473.1	448.8	442.7	413.4	389.1	364.8	352.6	328.2	303.8
C270.0	455.2	430.2	418.0	393.4	380.8	356.6	331.9	319.6	295.0	282.6
C315.0	474.5	449.9	449.9	414.1	401.9	377.3	352.9	339.0	314.4	302.0
C360.0	429.8	404.8	380.1	367.6	343.3	330.9	306.2	293.9	255.5	243.2
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	231.0	206.9	194.8	171.3	148.5	137.4	115.5	105.3	73.1	57.8
C45.0	211.9	186.7	163.2	151.9	129.5	108.1	73.5	73.5	60.4	52.2
C90.0	246.3	222.4	210.6	185.2	173.8	151.1	129.2	118.4	108.0	88.2
C135.0	226.4	202.5	190.6	167.3	155.8	133.4	112.0	73.4	73.4	63.4
C180.0	272.4	260.4	236.2	212.0	200.0	176.7	176.7	142.7	120.9	110.7
C225.0	291.4	267.0	255.0	230.7	206.9	195.2	171.9	160.7	137.2	116.0
C270.0	258.1	233.7	221.4	197.4	174.1	162.7	138.6	117.0	106.5	73.1
C315.0	277.1	252.7	240.7	228.5	204.2	180.8	169.1	146.6	124.7	114.1
C360.0	231.0	206.9	194.8	171.3	148.5	137.4	115.5	105.3	73.1	57.8

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	57.8	42.2	35.2	23.0	13.1	9.1	2.4	1.3	1.3	1.4
C45.0	37.3	30.6	19.1	14.4	6.2	0.6	0.6	0.6	0.6	0.6
C90.0	69.6	60.9	44.7	31.3	25.1	14.4	5.9	2.5	1.1	1.0
C135.0	55.0	38.6	25.5	19.9	10.3	3.1	0.9	0.8	0.6	0.6
C180.0	90.4	71.6	53.4	45.6	44.6	19.7	14.7	6.5	1.1	1.0
C225.0	105.6	86.2	76.5	67.6	51.1	44.3	23.9	14.4	7.1	1.6
C270.0	67.5	59.0	43.2	29.6	23.5	13.6	9.8	4.6	1.3	1.2
C315.0	103.8	74.8	65.5	49.1	45.2	28.3	16.7	8.9	1.8	1.6
C360.0	57.8	42.2	35.2	23.0	13.1	9.1	2.4	1.3	1.3	1.4
C\G	G90.0									
C0.0	1.5									
C45.0	0.6									
C90.0	0.7									
C135.0	0.7									
C180.0	0.7									
C225.0	1.3									
C270.0	1.3									
C315.0	1.5									
C360.0	1.5									



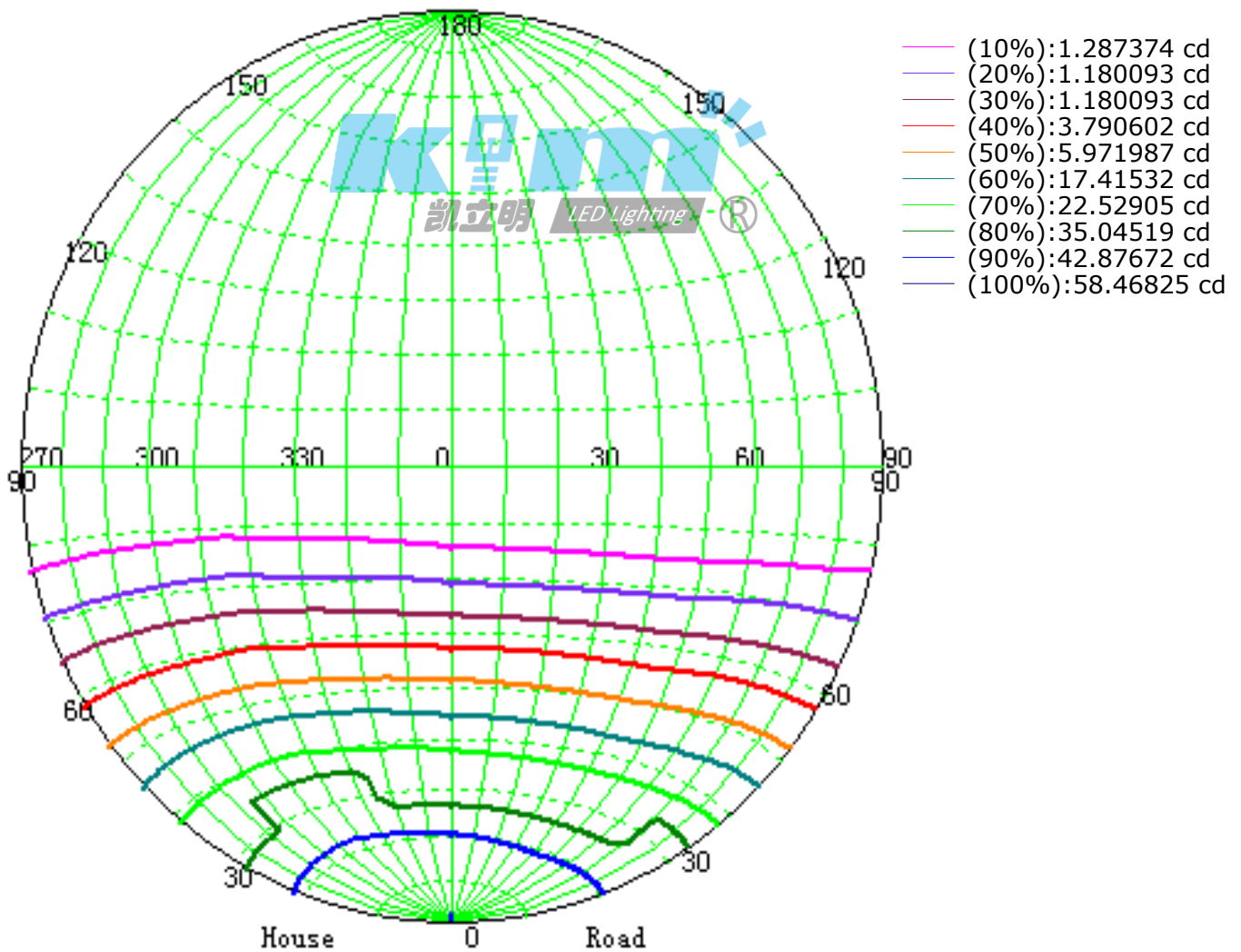
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	1204.93	0.00	0.00	0.00	0.00
0.0-1.0	1204.23	1.15	1.15	0.04	0.04
1.0-2.0	1203.70	3.46	4.61	0.11	0.15
2.0-3.0	1201.86	5.75	10.36	0.19	0.34
3.0-4.0	1200.48	8.04	18.40	0.26	0.60
4.0-5.0	1197.84	10.32	28.72	0.34	0.94
5.0-6.0	1194.31	12.57	41.29	0.41	1.35
6.0-7.0	1191.36	14.81	56.10	0.48	1.83
7.0-8.0	1186.75	17.02	73.12	0.55	2.38
8.0-9.0	1183.00	19.21	92.33	0.63	3.01
9.0-10.0	1176.61	21.35	113.68	0.70	3.71
10.0-11.0	1171.73	23.46	137.14	0.76	4.47
11.0-12.0	1164.90	25.54	162.69	0.83	5.30
12.0-13.0	1158.06	27.57	190.25	0.90	6.20
13.0-14.0	1151.44	29.56	219.82	0.96	7.16
14.0-15.0	1143.13	31.50	251.32	1.03	8.19
15.0-16.0	1134.68	33.38	284.69	1.09	9.28
16.0-17.0	1125.34	35.19	319.89	1.15	10.43
17.0-18.0	1116.98	36.97	356.86	1.21	11.63
18.0-19.0	1107.19	38.70	395.55	1.26	12.89
19.0-20.0	1096.19	40.33	435.88	1.31	14.21
20.0-21.0	1087.25	41.93	477.81	1.37	15.57
21.0-22.0	1074.82	43.45	521.26	1.42	16.99
22.0-23.0	1065.97	44.92	566.18	1.46	18.45
23.0-24.0	1053.05	46.33	612.51	1.51	19.96
24.0-25.0	1041.03	47.61	660.12	1.55	21.52
25.0-26.0	1017.34	48.59	708.71	1.58	23.10
26.0-27.0	982.92	48.94	757.64	1.60	24.69
27.0-28.0	978.00	49.65	807.29	1.62	26.31
28.0-29.0	961.82	50.75	858.04	1.65	27.97
29.0-30.0	960.79	51.91	909.95	1.69	29.66
30.0-31.0	960.79	53.47	963.43	1.74	31.40
31.0-32.0	960.79	55.05	1018.48	1.79	33.20
32.0-33.0	959.59	56.58	1075.05	1.84	35.04
33.0-34.0	941.39	57.53	1132.58	1.88	36.92
34.0-35.0	931.60	58.17	1190.75	1.90	38.81
35.0-36.0	897.27	58.23	1248.98	1.90	40.71
36.0-37.0	867.73	57.56	1306.55	1.88	42.59
37.0-38.0	855.21	57.51	1364.06	1.87	44.46
38.0-39.0	834.78	57.68	1421.74	1.88	46.34
39.0-40.0	818.15	57.65	1479.39	1.88	48.22

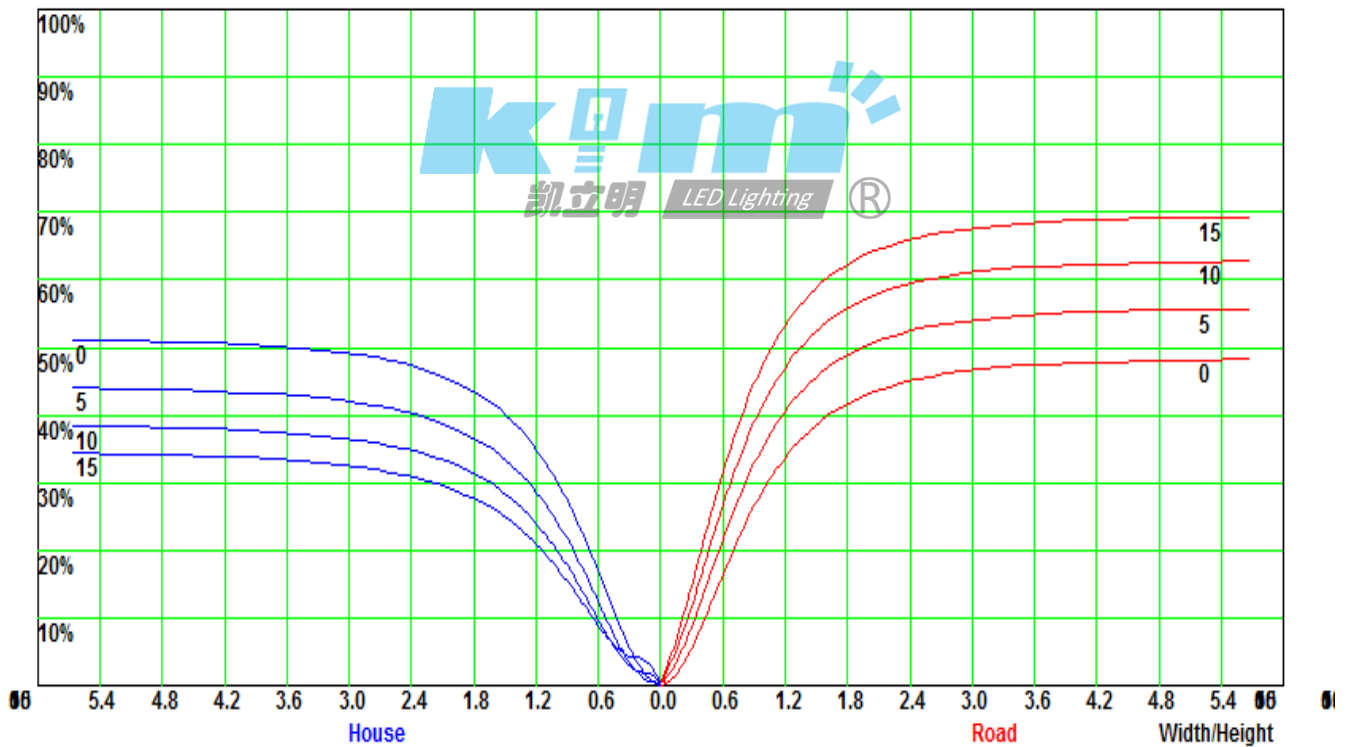
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	803.85	57.76	1537.15	1.88	50.10
41.0-42.0	782.53	57.64	1594.78	1.88	51.98
42.0-43.0	769.07	57.48	1652.26	1.87	53.85
43.0-44.0	750.66	57.36	1709.62	1.87	55.72
44.0-45.0	732.78	57.01	1766.63	1.86	57.58
45.0-46.0	717.71	56.73	1823.35	1.85	59.43
46.0-47.0	696.70	56.25	1879.61	1.83	61.26
47.0-48.0	679.81	55.65	1935.25	1.81	63.08
48.0-49.0	659.51	55.00	1990.25	1.79	64.87
49.0-50.0	640.87	54.22	2044.47	1.77	66.64
50.0-51.0	622.05	53.43	2097.90	1.74	68.38
51.0-52.0	604.53	52.63	2150.54	1.72	70.09
52.0-53.0	582.45	51.63	2202.17	1.68	71.78
53.0-54.0	566.49	50.64	2252.81	1.65	73.43
54.0-55.0	546.87	49.70	2302.51	1.62	75.05
55.0-56.0	526.30	48.49	2351.00	1.58	76.63
56.0-57.0	509.45	47.36	2398.36	1.54	78.17
57.0-58.0	485.36	46.00	2444.36	1.50	79.67
58.0-59.0	465.15	44.44	2488.80	1.45	81.12
59.0-60.0	447.18	43.10	2531.90	1.40	82.52
60.0-61.0	425.24	41.63	2573.54	1.36	83.88
61.0-62.0	412.99	40.39	2613.93	1.32	85.20
62.0-63.0	387.58	38.94	2652.86	1.27	86.47
63.0-64.0	370.21	37.18	2690.05	1.21	87.68
64.0-65.0	350.22	35.65	2725.70	1.16	88.84
65.0-66.0	327.23	33.80	2759.50	1.10	89.94
66.0-67.0	313.23	32.20	2791.70	1.05	90.99
67.0-68.0	287.03	30.41	2822.11	0.99	91.98
68.0-69.0	270.20	28.43	2850.54	0.93	92.91
69.0-70.0	251.83	26.81	2877.35	0.87	93.78
70.0-71.0	229.02	24.85	2902.20	0.81	94.59
71.0-72.0	214.04	23.04	2925.24	0.75	95.34
72.0-73.0	193.03	21.29	2946.53	0.69	96.04
73.0-74.0	174.09	19.30	2965.83	0.63	96.67
74.0-75.0	155.67	17.42	2983.25	0.57	97.24
75.0-76.0	135.82	15.47	2998.73	0.50	97.74
76.0-77.0	117.20	13.49	3012.22	0.44	98.18
77.0-78.0	100.53	11.65	3023.87	0.38	98.56
78.0-79.0	84.44	9.94	3033.81	0.32	98.88
79.0-80.0	73.36	8.51	3042.32	0.28	99.16
80.0-81.0	58.00	7.10	3049.42	0.23	99.39

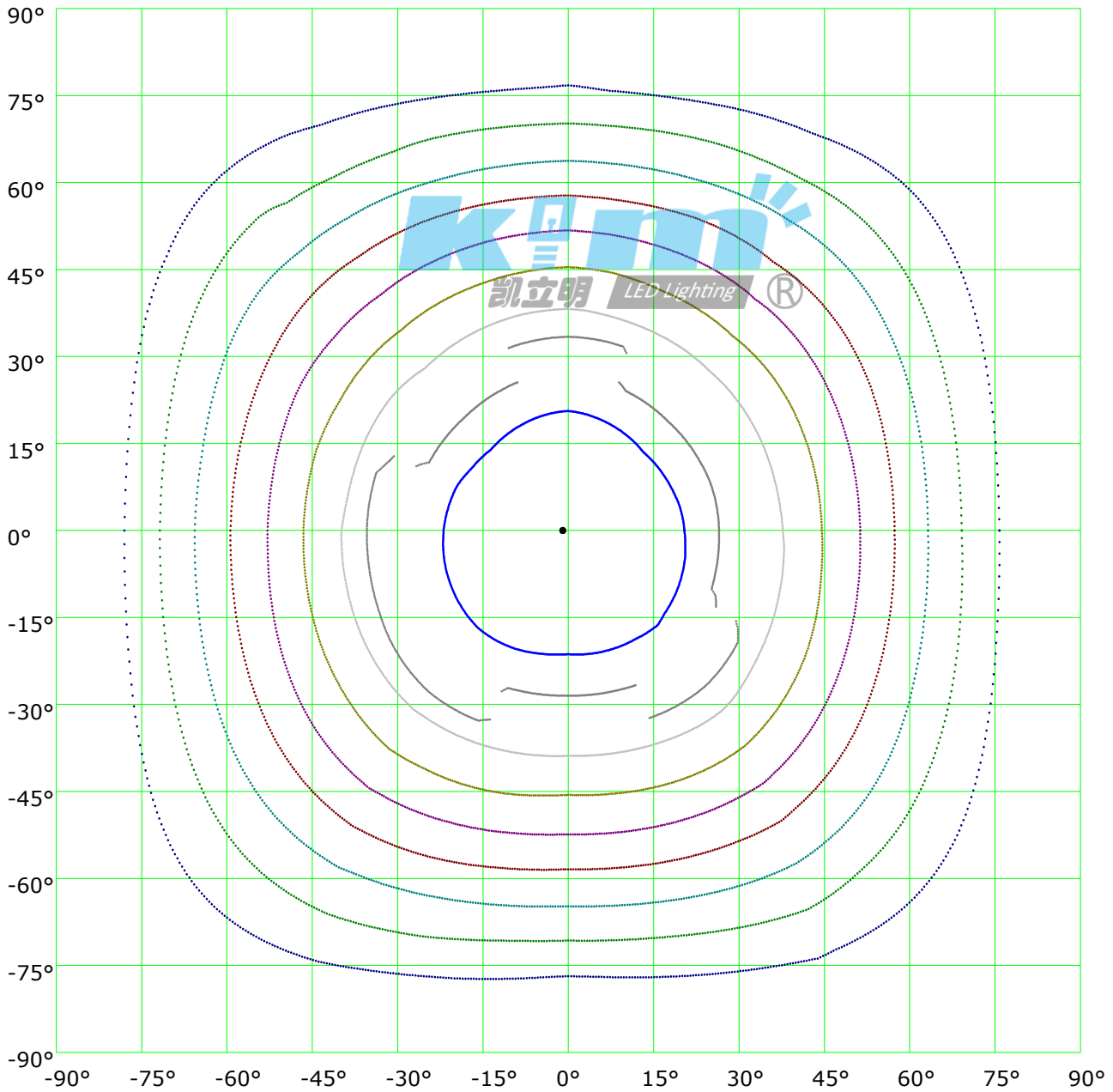
Iso-Candela [cd]



Coefficient Utilization Curve

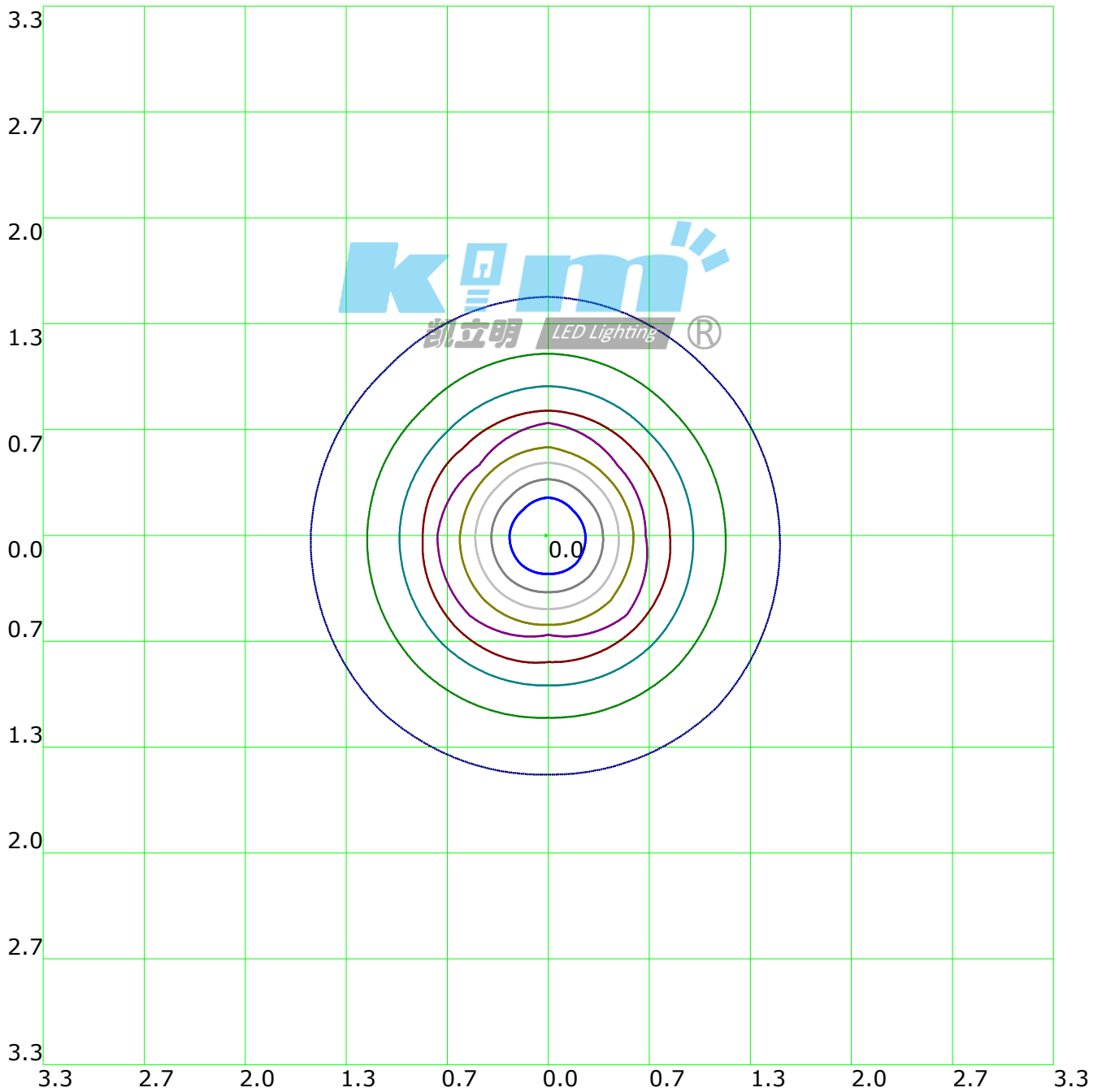


Isocandela(rectangle)



— (10%): 120.7cd	— (20%): 241.5cd	— (30%): 362.2cd	— (40%): 482.9cd
— (50%): 603.6cd	— (60%): 724.4cd	— (70%): 845.1cd	— (80%): 965.8cd
— (90%): 1086.5cd	— (100%): 1207.3cd		

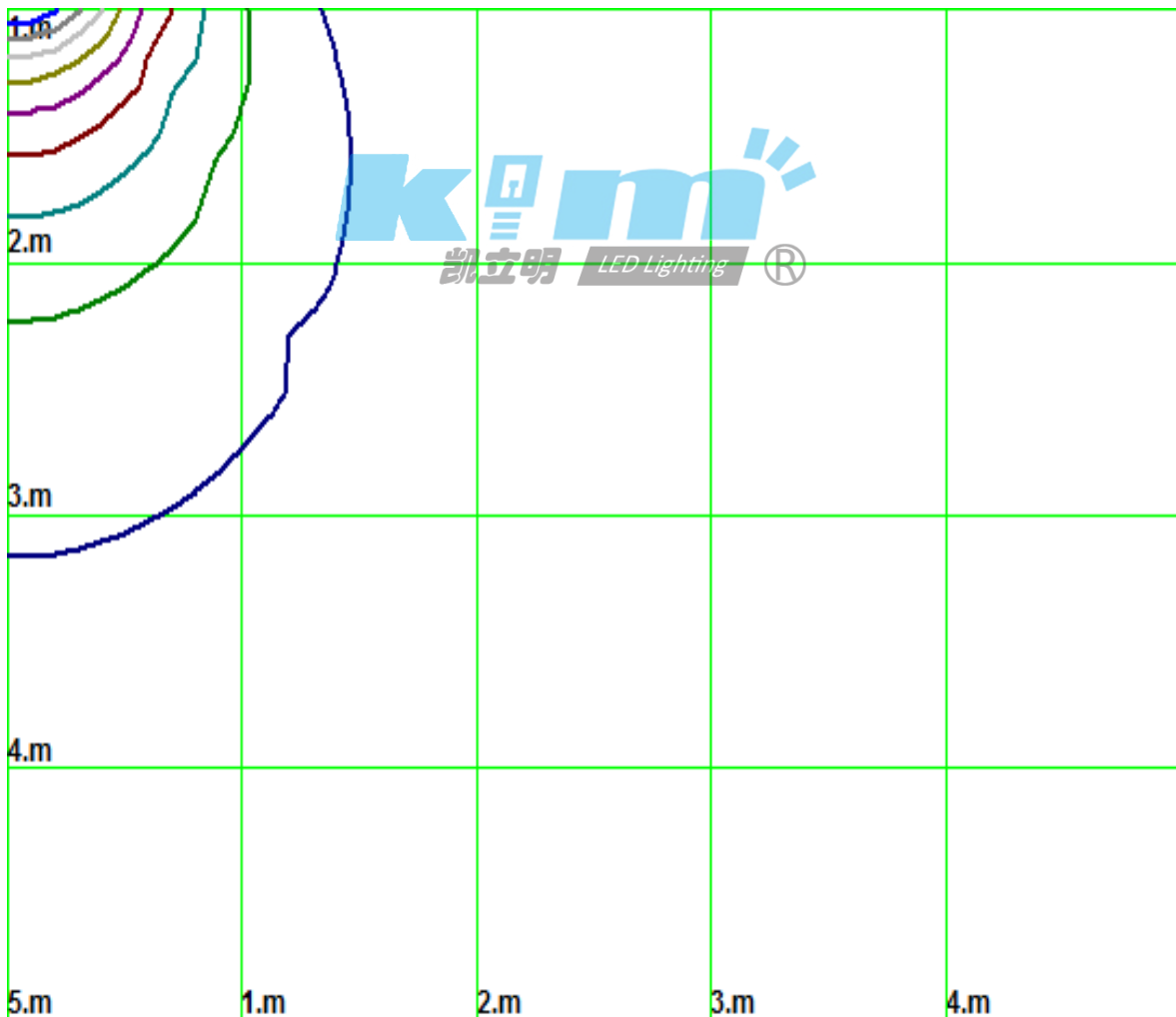
Isolx curve



Height: 1 m

- (10%): 120.7lx — (20%): 241.5lx — (30%): 362.2lx — (40%): 482.9lx
- (50%): 603.6lx — (60%): 724.4lx — (70%): 845.1lx — (80%): 965.8lx
- (90%): 1086.5lx — (100%): 1206.1lx

Space Isolx Curve



- (10%): 120.7lx — (20%): 241.5lx — (30%): 362.2lx — (40%): 482.9lx
- (50%): 603.6lx — (60%): 724.4lx — (70%): 845.1lx — (80%): 965.8lx
- (90%): 1086.5lx — (100%): 1206.1lx

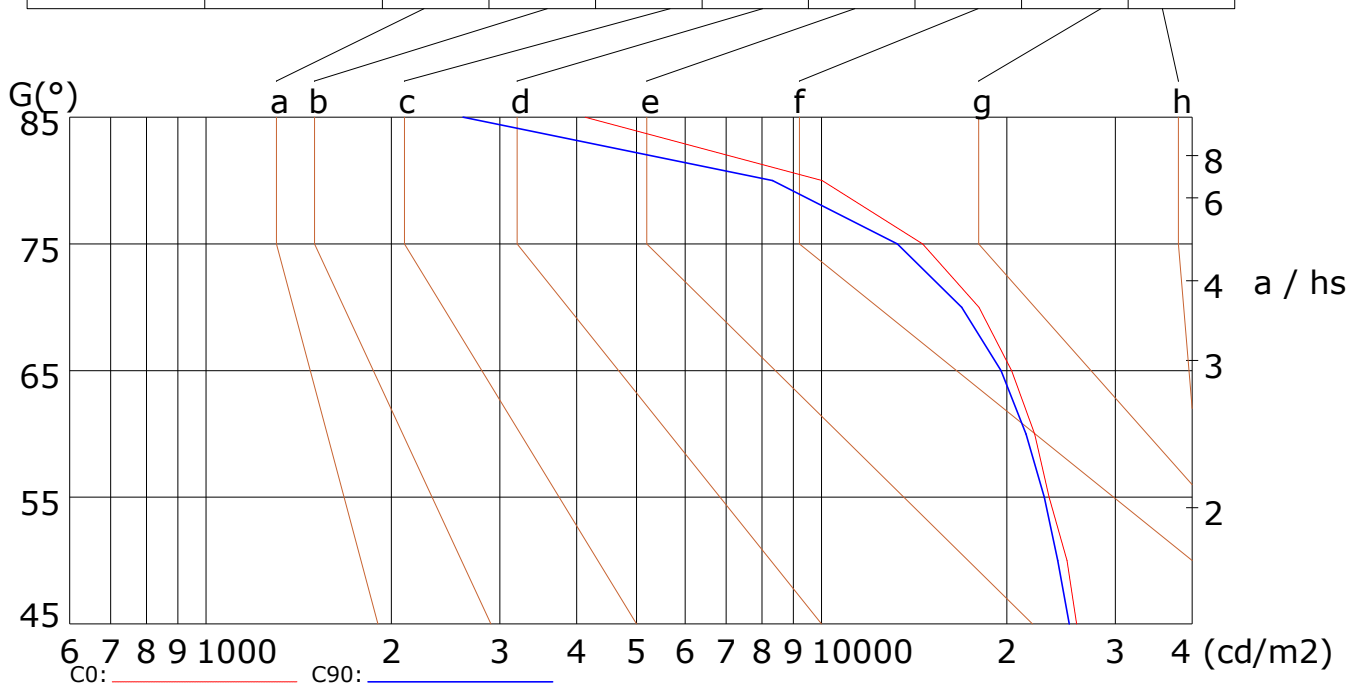
Luminance Limiting Curve

Diameter: 0mm
 Length: 0mm
 Width: 0mm
 Height: 0mm

(cd/m²)

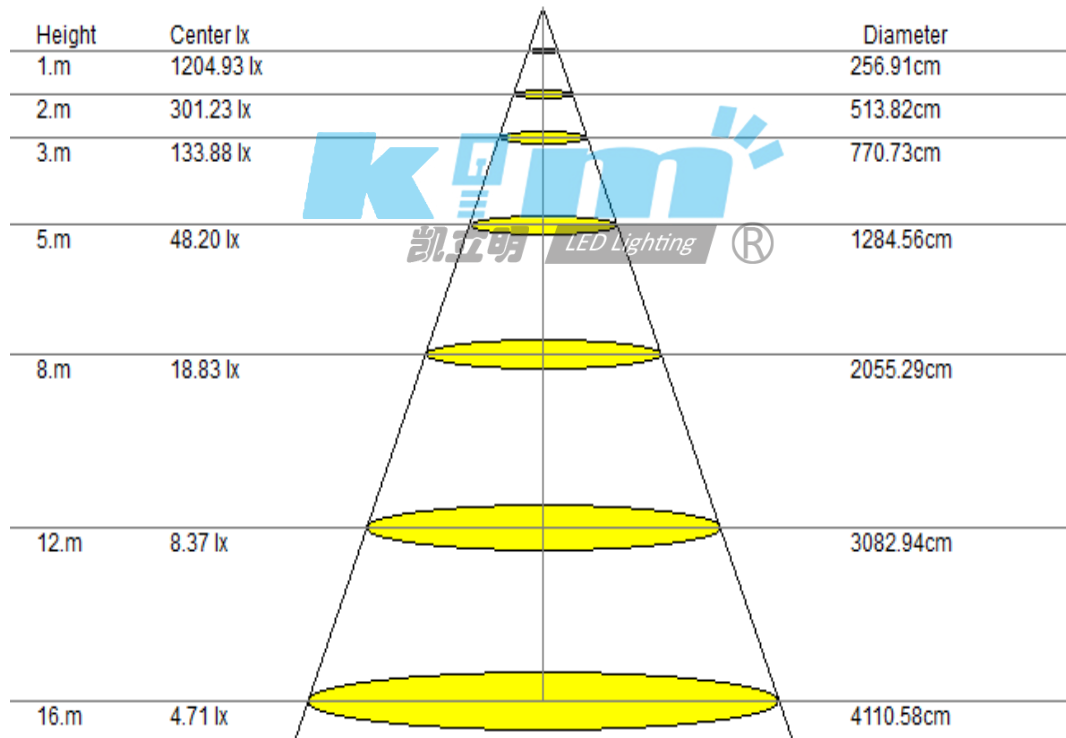
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	25944	25049	23427	22189	20350	18005	14594	10019	4124
C90	25274	24200	22990	21492	19572	16886	13268	8320	2616

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

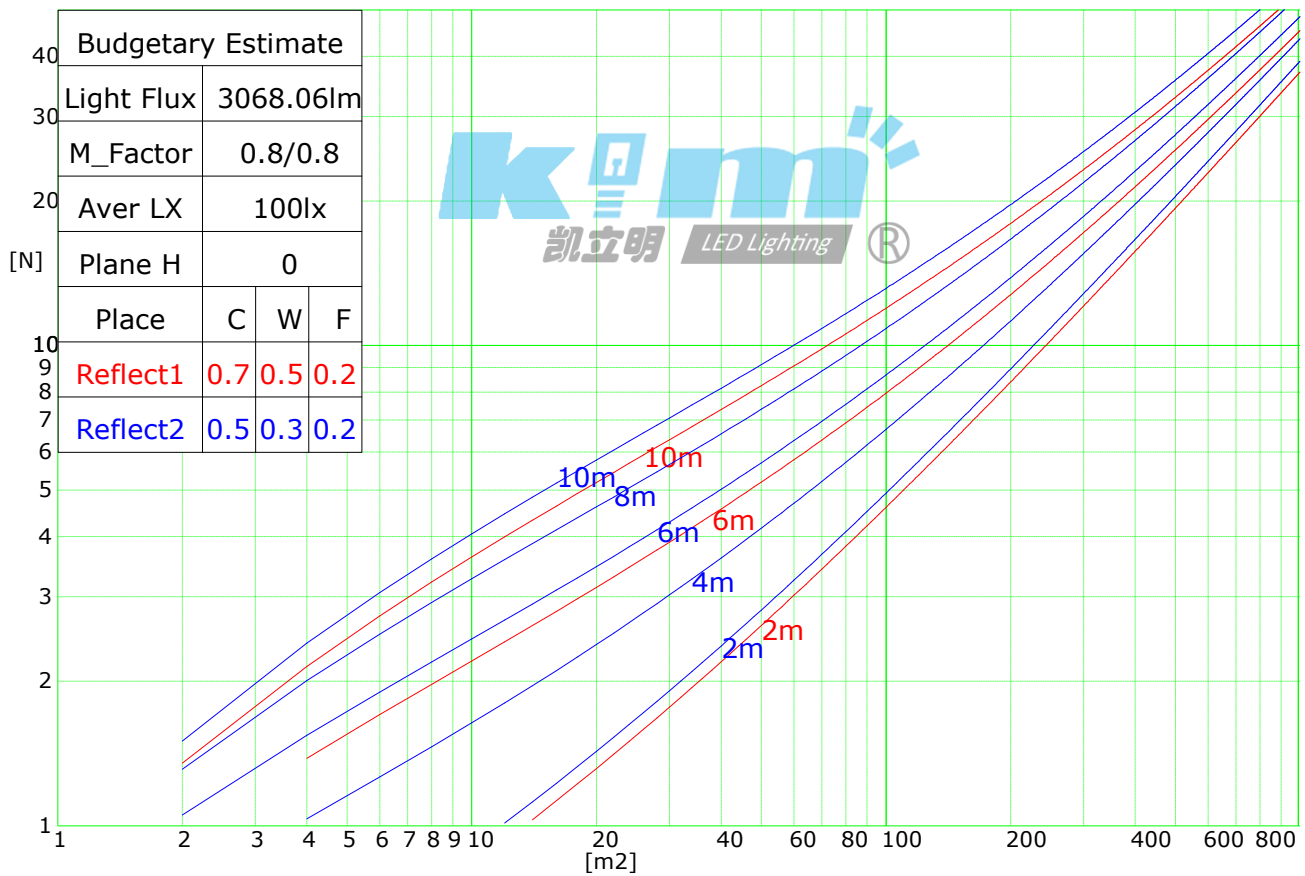


Beam Angle: 104.20°(50%Imax)

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	1.06	1.04	1.03	1.05	1.03	1.01	1.01	0.99	0.97	0.96	0.94	0.92	0.89	0.87	0.85	0.80
2	0.91	0.88	0.87	0.90	0.87	0.85	0.88	0.84	0.81	0.84	0.80	0.77	0.79	0.76	0.72	0.67
3	0.78	0.75	0.74	0.78	0.75	0.72	0.77	0.72	0.69	0.74	0.70	0.66	0.71	0.66	0.62	0.57
4	0.68	0.65	0.63	0.68	0.64	0.62	0.68	0.63	0.59	0.66	0.61	0.57	0.64	0.58	0.53	0.49
5	0.59	0.57	0.55	0.60	0.56	0.54	0.60	0.55	0.52	0.59	0.54	0.49	0.58	0.52	0.47	0.43
6	0.53	0.50	0.48	0.53	0.50	0.47	0.54	0.49	0.45	0.54	0.48	0.43	0.53	0.46	0.41	0.38
7	0.47	0.44	0.43	0.48	0.44	0.42	0.49	0.44	0.40	0.49	0.43	0.39	0.48	0.42	0.37	0.33
8	0.42	0.40	0.38	0.43	0.40	0.38	0.44	0.39	0.36	0.45	0.39	0.35	0.45	0.38	0.33	0.30
9	0.38	0.36	0.35	0.39	0.36	0.34	0.40	0.36	0.33	0.41	0.35	0.31	0.41	0.35	0.30	0.27
10	0.35	0.33	0.31	0.36	0.33	0.31	0.37	0.33	0.30	0.38	0.32	0.28	0.38	0.32	0.27	0.24

Indoor Budgetary Estimate Chart



UGR综合眩光指数表

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	14.6	16.0	14.9	15.9	16.4	14.7	15.9	14.9	15.9	16.5
	3H	16.2	17.4	16.7	17.8	18.0	16.2	17.3	16.5	17.9	18.0
	4H	17.0	18.1	17.3	18.6	18.8	16.9	17.9	17.3	18.5	18.7
	6H	17.5	18.6	18.0	18.8	19.0	17.4	18.4	17.9	18.9	19.0
	8H	17.9	18.9	18.1	18.9	19.3	17.8	18.8	17.9	19.0	19.4
	12H	17.9	18.8	18.1	19.3	19.6	17.7	18.6	18.1	19.1	19.5
4H	2H	15.7	16.6	15.8	16.8	17.1	15.6	16.6	15.7	16.9	17.0
	3H	17.5	18.3	17.8	18.5	18.9	17.4	18.2	17.6	18.4	18.7
	4H	18.2	19.0	18.6	19.1	19.4	18.0	18.9	18.4	19.2	19.4
	6H	18.8	19.6	19.2	19.7	20.2	18.6	19.4	19.0	19.7	20.1
	8H	19.1	19.8	19.4	20.0	20.4	18.9	19.6	19.4	19.9	20.3
	12H	19.3	19.9	19.5	20.1	20.5	19.1	19.8	19.5	20.2	20.5
8H	4H	18.4	19.2	18.9	19.3	19.8	18.4	19.1	18.8	19.4	19.8
	6H	19.3	19.8	19.8	20.2	20.5	19.2	19.7	19.7	20.2	20.5
	8H	19.6	20.2	20.1	20.5	21.0	19.6	19.9	20.0	20.4	20.9
	12H	20.0	20.4	20.4	20.8	21.2	19.9	20.4	20.3	20.7	21.2
12H	4H	18.6	19.1	19.0	19.4	19.9	18.4	19.0	18.9	19.5	19.9
	6H	19.5	20.0	19.8	20.2	20.6	19.5	19.8	19.7	20.2	20.6
	8H	20.0	20.4	20.4	20.5	21.1	19.8	20.2	20.3	20.6	21.1