慧谱仪器科技有限公司
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Luminaire Property

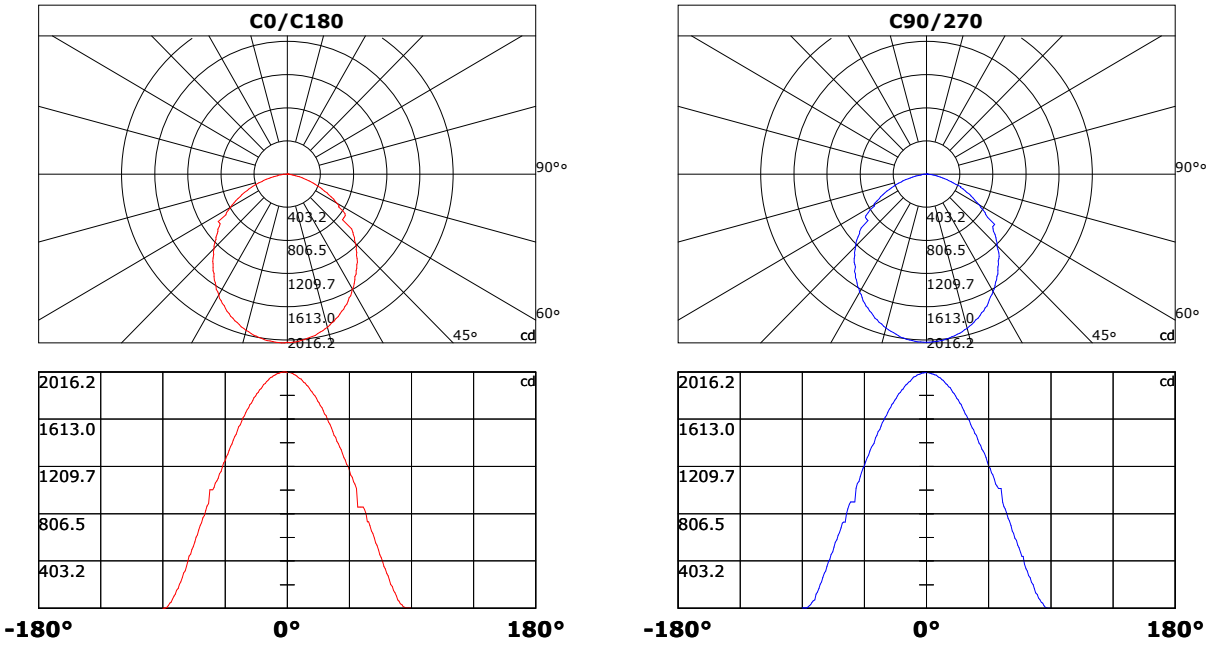
Luminaire Description: Round or Square 48W Ceiling Lights
Luminaire Categorie:
Lamp Categorie:
Lamp Description:
Number of Lamp:
Lamp Lumens(lm): 5097.08
Luminous Length(m):
Luminous Width(m):
Luminous Height(m):

Voltage: 220.2 V
Current: 0.204 A
Power: 43.61 W
Power Factor: 0.970
Test Lab:
Photometric Type: Type C

Photometric Results

CIE Class: Direct
Measurement Flux: 5097.08 lm
Efficiency: 116.8787 lm/W
Central Intensity: 2009.933cd
Max. Intensity: 2016.171cd
Field Angle(10%Imax): 152.25, 149.83

Max.Intensity Angle: C:180.0 G:2.0
Beam Angle(50%Imax): 105.2, 100.23
Luminaire Efficacy Rating(LER) : 100.00%
Upward Ratio: 0.0%
Downward Ratio: 100.0%



Equipment:CPM GONIOPHOTOMETER Date:2019-04-26 Operator:Jone Test Distance:5.98m
Temperature:0 Humidity:0 Test Report:

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	2009.9	2012.2	2008.7	2006.2	2000.1	1992.9	1987.9	1978.6	1967.9	1961.8
C45.0	2009.9	2001.2	1996.9	1991.1	1987.9	1980.4	1971.1	1966.5	1954.3	1941.1
C90.0	2009.9	2007.9	2005.8	2003.7	1999.7	1996.9	1990.1	1986.5	1977.9	1967.9
C135.0	2009.9	2009.0	2007.9	2004.0	2001.2	1995.4	1987.9	1979.0	1974.3	1968.6
C180.0	2009.9	2015.8	2016.2	2014.7	2013.3	2010.1	2005.4	2002.6	1996.5	1987.2
C225.0	2009.9	2004.7	2005.4	2005.1	2003.3	2000.8	1999.0	1994.0	1990.1	1983.6
C270.0	2009.9	2007.9	2005.8	2005.8	2001.9	1996.9	1994.0	1987.2	1977.9	1973.3
C315.0	2009.9	2011.2	2010.8	2009.4	2007.6	2004.0	2001.2	1995.1	1987.6	1983.6
C360.0	2009.9	2012.2	2008.7	2006.2	2000.1	1992.9	1987.9	1978.6	1967.9	1961.8

C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	1956.1	1942.1	1927.1	1919.3	1903.2	1894.2	1875.6	1856.0	1846.0	1824.1
C45.0	1935.0	1920.0	1912.5	1896.0	1878.1	1869.2	1849.9	1840.2	1818.8	1808.4
C90.0	1962.5	1950.4	1943.9	1930.3	1915.3	1907.1	1889.9	1881.4	1862.0	1842.7
C135.0	1951.1	1944.7	1930.0	1922.1	1914.3	1897.8	1879.6	1870.6	1849.2	1828.8
C180.0	1982.9	1972.5	1967.2	1954.3	1939.6	1932.1	1916.0	1908.9	1890.7	1872.1
C225.0	1975.0	1975.0	1959.3	1952.5	1940.7	1933.2	1918.5	1903.5	1895.3	1877.4
C270.0	1962.9	1950.7	1936.8	1929.3	1915.0	1906.4	1889.6	1871.0	1861.7	1841.7
C315.0	1973.6	1962.9	1956.8	1943.9	1929.6	1921.8	1905.7	1888.5	1879.2	1859.9
C360.0	1956.1	1942.1	1927.1	1919.3	1903.2	1894.2	1875.6	1856.0	1846.0	1824.1

C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	1813.1	1790.2	1766.2	1754.0	1727.6	1713.3	1686.1	1658.6	1644.3	1614.6
C45.0	1785.2	1761.6	1749.4	1724.0	1710.8	1668.9	1654.6	1640.3	1611.4	1596.7
C90.0	1832.0	1810.2	1787.7	1775.9	1751.9	1739.4	1711.1	1684.7	1657.1	1642.8
C135.0	1818.1	1795.2	1771.6	1746.9	1734.4	1707.9	1694.3	1666.8	1638.5	1623.9
C180.0	1862.4	1841.7	1831.6	1809.1	1798.0	1773.4	1748.7	1735.8	1709.7	1696.1
C225.0	1868.1	1848.8	1828.1	1817.7	1794.8	1783.7	1759.8	1734.4	1722.2	1696.1
C270.0	1831.6	1809.8	1787.3	1775.1	1750.5	1738.3	1712.6	1699.3	1671.8	1643.9
C315.0	1839.2	1828.4	1805.9	1794.8	1771.2	1744.4	1731.2	1707.6	1693.6	1666.8
C360.0	1813.1	1790.2	1766.2	1754.0	1727.6	1713.3	1686.1	1658.6	1644.3	1614.6

C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	1584.9	1569.5	1538.4	1507.3	1474.8	1458.3	1424.0	1407.2	1373.2	1356.0
C45.0	1566.7	1536.3	1520.9	1488.7	1456.2	1439.7	1406.1	1372.1	1354.6	1319.9
C90.0	1614.2	1598.8	1568.8	1538.4	1522.7	1490.9	1474.8	1440.8	1407.9	1390.4
C135.0	1594.9	1579.5	1548.4	1533.4	1501.6	1469.0	1452.6	1419.3	1400.0	1365.7
C180.0	1668.9	1640.3	1626.0	1593.5	1563.4	1548.1	1516.2	1483.3	1467.2	1434.0
C225.0	1667.1	1653.2	1625.0	1610.6	1581.3	1550.2	1519.1	1503.4	1470.8	1454.4
C270.0	1629.6	1600.6	1583.8	1553.4	1522.3	1506.6	1473.7	1456.9	1407.2	1390.4
C315.0	1652.8	1624.2	1594.9	1579.9	1549.5	1533.8	1501.9	1469.0	1452.6	1417.2
C360.0	1584.9	1569.5	1538.4	1507.3	1474.8	1458.3	1424.0	1407.2	1373.2	1356.0

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	1321.0	1283.4	1265.6	1229.4	1211.6	1176.9	1136.8	1118.2	1079.2	1059.9
C45.0	1284.9	1266.6	1230.5	1194.0	1173.7	1136.5	1117.9	1079.6	1060.3	1022.0
C90.0	1356.4	1339.2	1321.7	1286.3	1248.4	1212.3	1194.0	1156.8	1138.3	1099.6
C135.0	1348.9	1313.5	1277.7	1259.5	1223.7	1205.1	1167.9	1130.4	1111.4	1073.2
C180.0	1400.0	1382.5	1347.8	1312.8	1294.9	1258.8	1240.5	1204.1	1166.9	1147.6
C225.0	1421.5	1387.9	1370.7	1336.4	1319.2	1283.4	1248.0	1229.4	1193.3	1174.4
C270.0	1373.2	1339.2	1304.2	1286.7	1251.3	1214.8	1196.5	1159.0	1121.1	1081.0
C315.0	1400.4	1365.7	1331.4	1313.1	1278.4	1242.7	1224.1	1186.9	1149.7	1130.4
C360.0	1321.0	1283.4	1265.6	1229.4	1211.6	1176.9	1136.8	1118.2	1079.2	1059.9
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	1021.7	864.3	864.3	864.3	864.3	864.3	844.7	804.6	736.7	736.7
C45.0	904.7	904.7	904.7	904.7	865.4	825.4	805.3	735.2	735.2	705.2
C90.0	1061.4	1042.4	1022.7	1022.7	1022.7	905.5	866.1	846.4	806.0	766.0
C135.0	1034.5	1014.9	897.2	897.2	897.2	875.1	835.4	815.0	774.6	734.2
C180.0	1109.6	1088.2	1068.9	1030.3	1010.9	1010.9	1010.9	892.2	872.6	832.1
C225.0	1135.4	1097.1	1078.2	1039.9	1021.3	1021.3	1021.3	1021.3	884.7	865.0
C270.0	1064.6	1023.1	906.2	906.2	906.2	906.2	886.9	847.2	806.8	736.3
C315.0	1093.2	1054.9	1035.3	1016.3	1016.3	1016.3	897.2	877.2	837.5	816.8
C360.0	1021.7	864.3	864.3	864.3	864.3	864.3	844.7	804.6	736.7	736.7
C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	703.4	659.8	639.4	599.0	558.2	537.8	497.1	456.3	435.9	395.5
C45.0	684.8	643.7	602.6	579.7	538.9	497.8	477.8	437.0	396.9	376.9
C90.0	745.2	703.4	660.1	639.8	599.3	578.6	537.5	517.1	476.0	443.1
C135.0	713.8	672.7	651.9	610.8	570.0	528.9	508.5	488.1	447.4	426.6
C180.0	791.7	770.6	729.5	708.8	668.0	626.9	606.1	564.7	523.9	502.8
C225.0	824.3	783.9	763.8	723.4	682.7	661.9	621.5	580.7	558.2	517.5
C270.0	736.3	725.9	685.9	645.1	624.7	584.0	563.6	522.8	482.1	459.2
C315.0	776.7	735.6	715.2	674.8	654.4	613.3	573.2	552.5	511.7	491.7
C360.0	703.4	659.8	639.4	599.0	558.2	537.8	497.1	456.3	435.9	395.5
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	356.4	336.1	296.6	277.4	239.9	203.2	185.5	151.2	134.5	103.4
C45.0	336.8	297.5	278.0	239.9	203.0	185.0	150.6	134.2	102.9	72.6
C90.0	443.1	376.9	337.1	317.1	278.2	259.0	222.0	203.9	168.6	133.4
C135.0	386.2	346.1	325.9	286.7	264.8	227.0	190.6	173.0	138.9	122.9
C180.0	462.0	444.1	400.2	359.4	319.9	300.5	262.0	224.4	206.1	170.7
C225.0	476.7	455.9	443.1	396.9	356.6	317.3	297.6	260.0	241.6	205.1
C270.0	418.8	398.7	358.3	318.9	299.6	261.4	223.7	205.7	170.1	136.4
C315.0	450.2	442.7	390.9	351.6	331.8	290.7	252.4	233.9	197.8	163.1
C360.0	356.4	336.1	296.6	277.4	239.9	203.2	185.5	151.2	134.5	103.4

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	72.9	60.5	38.3	29.0	14.2	9.3	2.5	2.0	2.1	2.2
C45.0	61.4	37.4	28.0	13.7	3.9	1.4	0.8	0.8	0.9	0.9
C90.0	119.7	88.3	74.5	50.2	44.5	21.3	8.2	2.2	1.3	1.2
C135.0	73.0	64.8	52.7	31.6	15.2	9.4	1.2	0.8	0.8	0.8
C180.0	154.0	121.4	105.8	77.7	52.6	45.6	23.2	10.2	3.0	1.2
C225.0	169.8	153.3	120.6	105.5	76.9	63.9	44.8	22.5	7.9	2.6
C270.0	120.4	72.9	63.4	51.4	30.4	22.2	10.2	4.6	1.9	1.9
C315.0	146.4	115.1	85.4	72.1	47.8	45.0	20.3	9.4	2.4	2.4
C360.0	72.9	60.5	38.3	29.0	14.2	9.3	2.5	2.0	2.1	2.2

C\G	G90.0
C0.0	2.4
C45.0	0.9
C90.0	0.8
C135.0	0.8
C180.0	0.9
C225.0	2.0
C270.0	2.0
C315.0	2.4
C360.0	2.4

Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	2009.93	0.00	0.00	0.00	0.00
0.0-1.0	2008.75	1.92	1.92	0.04	0.04
1.0-2.0	2007.19	5.76	7.69	0.11	0.15
2.0-3.0	2005.00	9.60	17.28	0.19	0.34
3.0-4.0	2001.87	13.41	30.70	0.26	0.60
4.0-5.0	1997.17	17.20	47.90	0.34	0.94
5.0-6.0	1992.08	20.96	68.86	0.41	1.35
6.0-7.0	1986.18	24.69	93.56	0.48	1.84
7.0-8.0	1978.31	28.37	121.93	0.56	2.39
8.0-9.0	1970.89	32.01	153.94	0.63	3.02
9.0-10.0	1962.40	35.59	189.53	0.70	3.72
10.0-11.0	1952.29	39.12	228.65	0.77	4.49
11.0-12.0	1941.70	42.57	271.21	0.84	5.32
12.0-13.0	1930.97	45.96	317.17	0.90	6.22
13.0-14.0	1916.98	49.25	366.43	0.97	7.19
14.0-15.0	1907.73	52.51	418.93	1.03	8.22
15.0-16.0	1890.61	55.66	474.59	1.09	9.31
16.0-17.0	1877.51	58.68	533.27	1.15	10.46
17.0-18.0	1862.85	61.67	594.94	1.21	11.67
18.0-19.0	1844.39	64.50	659.44	1.27	12.94
19.0-20.0	1831.20	67.27	726.71	1.32	14.26
20.0-21.0	1810.73	69.93	796.64	1.37	15.63
21.0-22.0	1790.97	72.38	869.02	1.42	17.05
22.0-23.0	1774.70	74.82	943.84	1.47	18.52
23.0-24.0	1754.90	77.17	1021.01	1.51	20.03
24.0-25.0	1733.66	79.32	1100.33	1.56	21.59
25.0-26.0	1712.30	81.34	1181.67	1.60	23.18
26.0-27.0	1690.93	83.26	1264.93	1.63	24.82
27.0-28.0	1668.58	85.06	1349.99	1.67	26.49
28.0-29.0	1647.62	86.76	1436.75	1.70	28.19
29.0-30.0	1622.41	88.29	1525.04	1.73	29.92
30.0-31.0	1600.32	89.68	1614.72	1.76	31.68
31.0-32.0	1575.78	90.99	1705.72	1.79	33.46
32.0-33.0	1550.66	92.11	1797.82	1.81	35.27
33.0-34.0	1521.47	92.97	1890.79	1.82	37.10
34.0-35.0	1499.57	93.82	1984.62	1.84	38.94
35.0-36.0	1471.05	94.59	2079.20	1.86	40.79
36.0-37.0	1444.01	95.07	2174.27	1.87	42.66
37.0-38.0	1416.69	95.49	2269.76	1.87	44.53
38.0-39.0	1390.99	95.83	2365.59	1.88	46.41
39.0-40.0	1363.28	96.06	2461.65	1.88	48.30

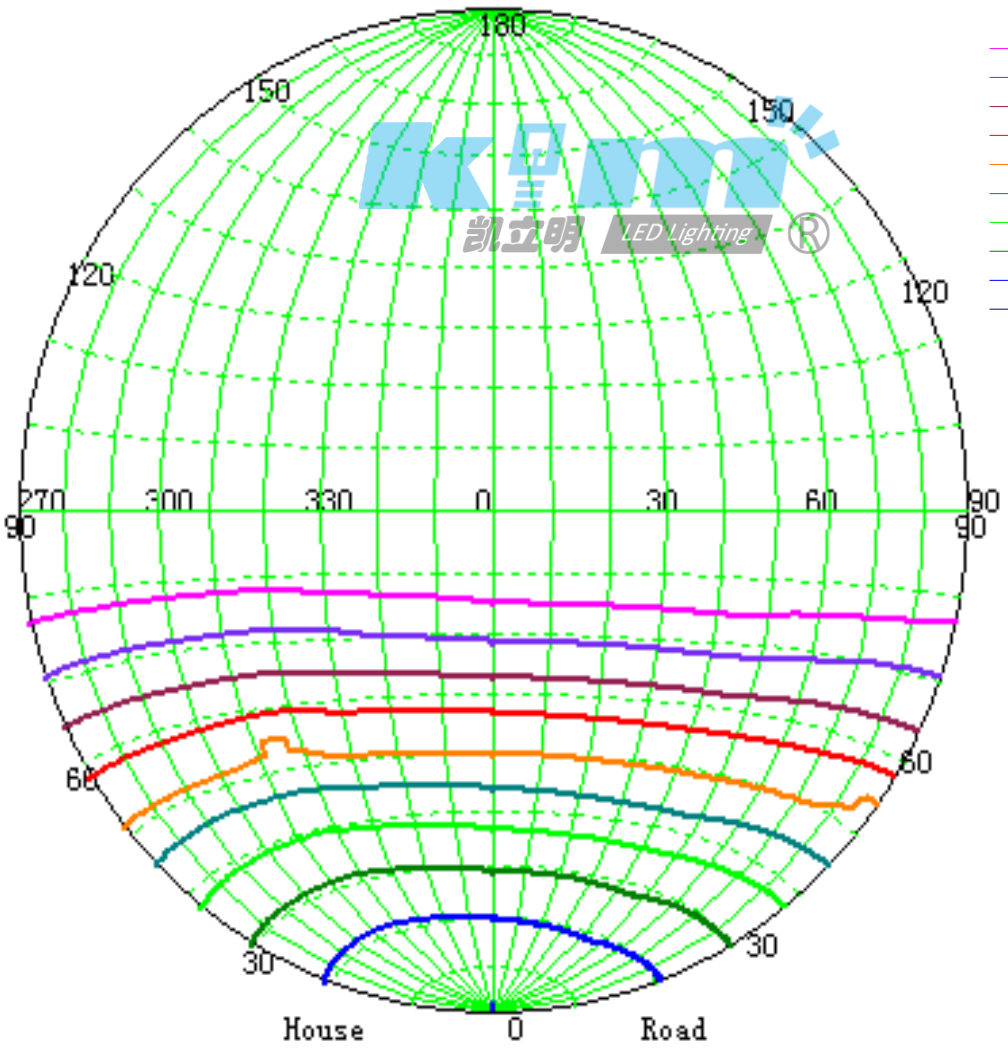
Zonal Luminous Flux Data

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	1334.76	96.08	2557.73	1.88	50.18
41.0-42.0	1306.19	95.95	2653.68	1.88	52.06
42.0-43.0	1277.27	95.70	2749.38	1.88	53.94
43.0-44.0	1250.14	95.39	2844.77	1.87	55.81
44.0-45.0	1216.30	94.79	2939.56	1.86	57.67
45.0-46.0	1190.73	94.13	3033.69	1.85	59.52
46.0-47.0	1158.06	93.42	3127.11	1.83	61.35
47.0-48.0	1127.53	92.40	3219.51	1.81	63.16
48.0-49.0	1098.52	91.41	3310.92	1.79	64.96
49.0-50.0	1053.14	89.71	3400.63	1.76	66.72
50.0-51.0	1011.22	87.34	3487.97	1.71	68.43
51.0-52.0	972.19	85.11	3573.08	1.67	70.10
52.0-53.0	960.21	84.06	3657.14	1.65	71.75
53.0-54.0	950.56	84.22	3741.36	1.65	73.40
54.0-55.0	928.12	83.86	3825.22	1.65	75.05
55.0-56.0	895.98	82.43	3907.64	1.62	76.66
56.0-57.0	854.90	80.05	3987.70	1.57	78.23
57.0-58.0	806.75	76.84	4064.54	1.51	79.74
58.0-59.0	774.03	73.90	4138.44	1.45	81.19
59.0-60.0	747.03	71.86	4210.30	1.41	82.60
60.0-61.0	711.94	69.63	4279.93	1.37	83.97
61.0-62.0	681.06	67.12	4347.05	1.32	85.29
62.0-63.0	647.67	64.62	4411.67	1.27	86.55
63.0-64.0	612.04	61.81	4473.49	1.21	87.77
64.0-65.0	578.65	58.93	4532.41	1.16	88.92
65.0-66.0	548.16	56.22	4588.63	1.10	90.02
66.0-67.0	514.91	53.45	4642.09	1.05	91.07
67.0-68.0	479.01	50.35	4692.43	0.99	92.06
68.0-69.0	451.65	47.48	4739.91	0.93	92.99
69.0-70.0	416.27	44.57	4784.49	0.87	93.87
70.0-71.0	387.27	41.53	4826.02	0.81	94.68
71.0-72.0	353.76	38.53	4864.55	0.76	95.44
72.0-73.0	318.50	35.15	4899.71	0.69	96.13
73.0-74.0	286.74	31.82	4931.52	0.62	96.75
74.0-75.0	255.50	28.65	4960.17	0.56	97.31
75.0-76.0	223.05	25.40	4985.58	0.50	97.81
76.0-77.0	198.29	22.46	5008.04	0.44	98.25
77.0-78.0	170.05	19.72	5027.76	0.39	98.64
78.0-79.0	138.43	16.57	5044.33	0.33	98.97
79.0-80.0	114.69	13.65	5057.98	0.27	99.23
80.0-81.0	89.21	11.03	5069.01	0.22	99.45

Zonal Luminous Flux Data

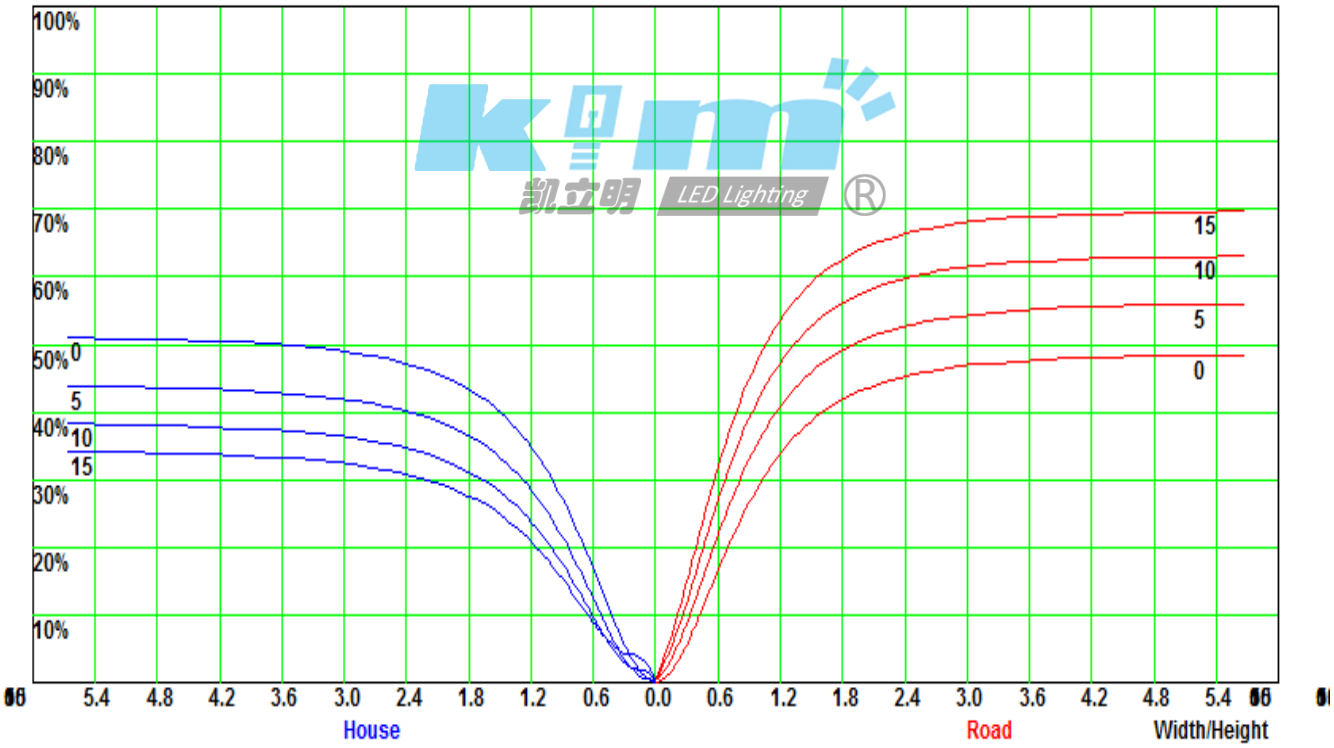
Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
81.0-82.0	71.06	8.69	5077.70	0.17	99.62
82.0-83.0	53.89	6.79	5084.49	0.13	99.75
83.0-84.0	35.68	4.88	5089.37	0.10	99.85
84.0-85.0	27.27	3.44	5092.81	0.07	99.92
85.0-86.0	13.91	2.25	5095.06	0.04	99.96
86.0-87.0	6.58	1.12	5096.18	0.02	99.98
87.0-88.0	2.55	0.50	5096.68	0.01	99.99
88.0-89.0	1.64	0.23	5096.91	0.00	100.00
89.0-90.0	1.52	0.17	5097.08	0.00	100.00

Iso-Candela [cd]

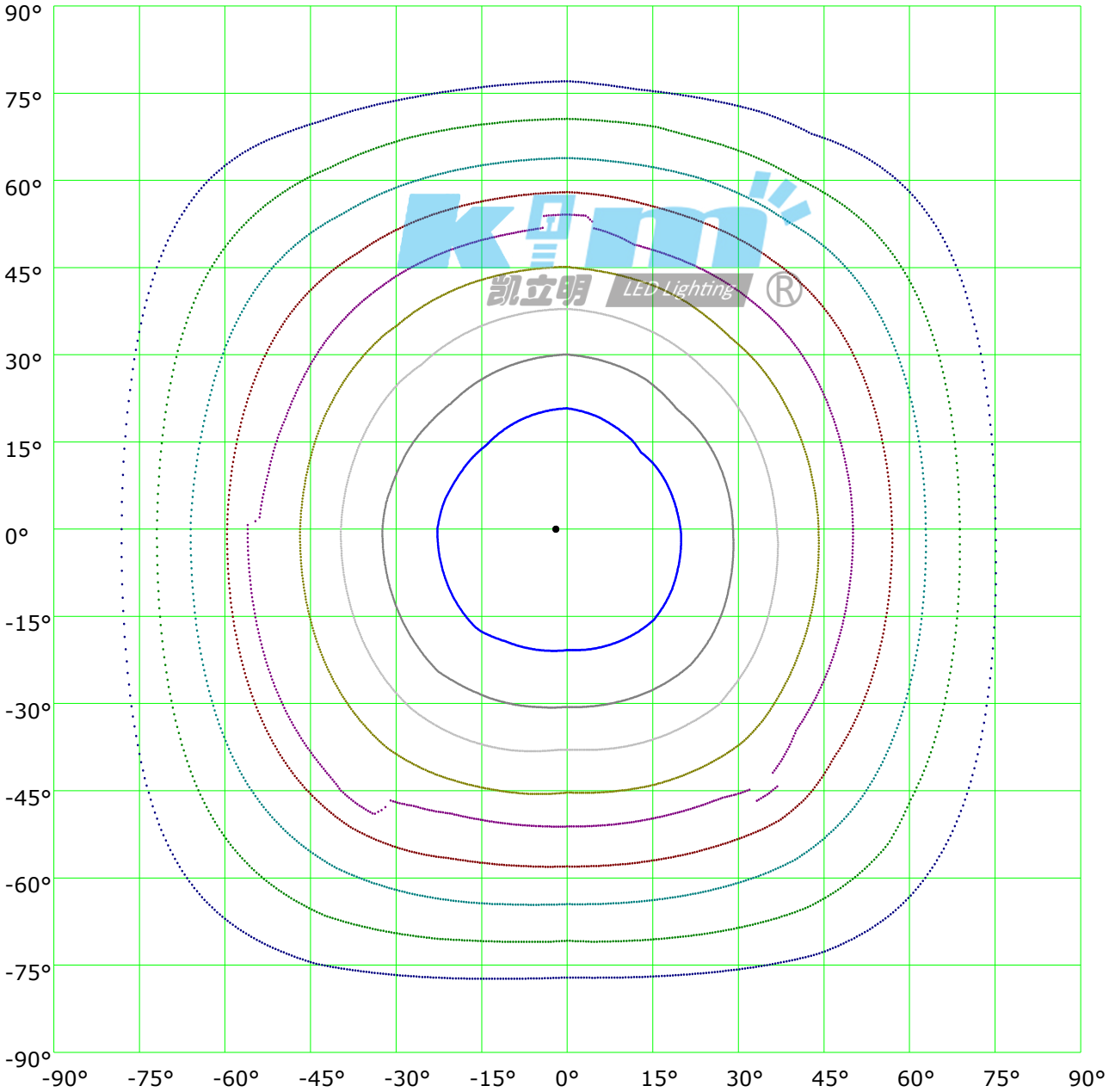


(10%):1.78802 cd
(20%):1.680739 cd
(30%):3.647561 cd
(40%):8.546736 cd
(50%):18.09476 cd
(60%):25.21108 cd
(70%):43.66345 cd
(80%):54.89222 cd
(90%):73.34458 cd
(100%):109.105 cd

Coefficient Utilization Curve

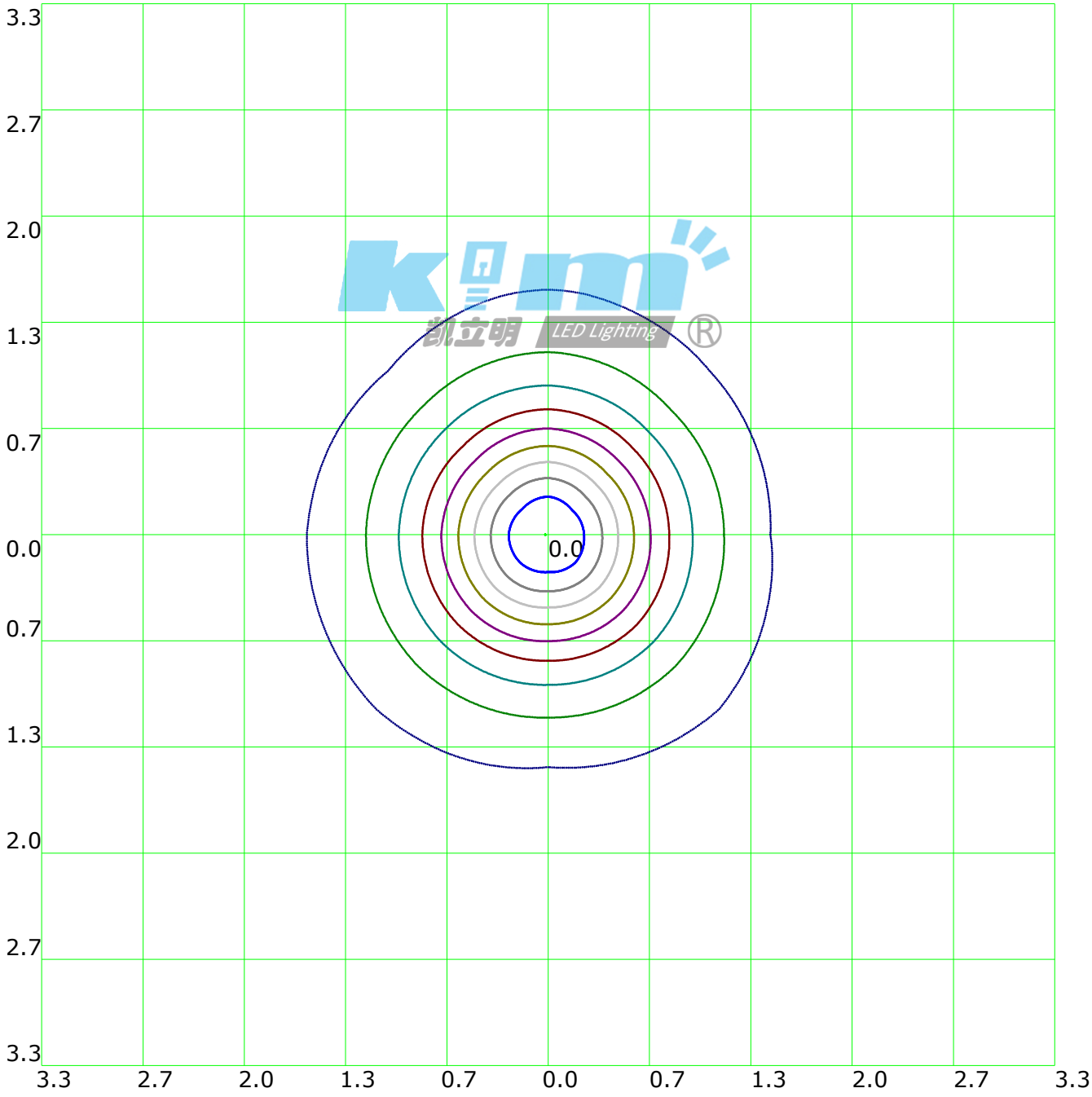


Isocandela(rectangle)



(10%): 201.6cd (20%): 403.2cd (30%): 604.9cd (40%): 806.5cd
(50%): 1008.1cd (60%): 1209.7cd (70%): 1411.3cd (80%): 1612.9cd
(90%): 1814.6cd (100%): 2016.2cd

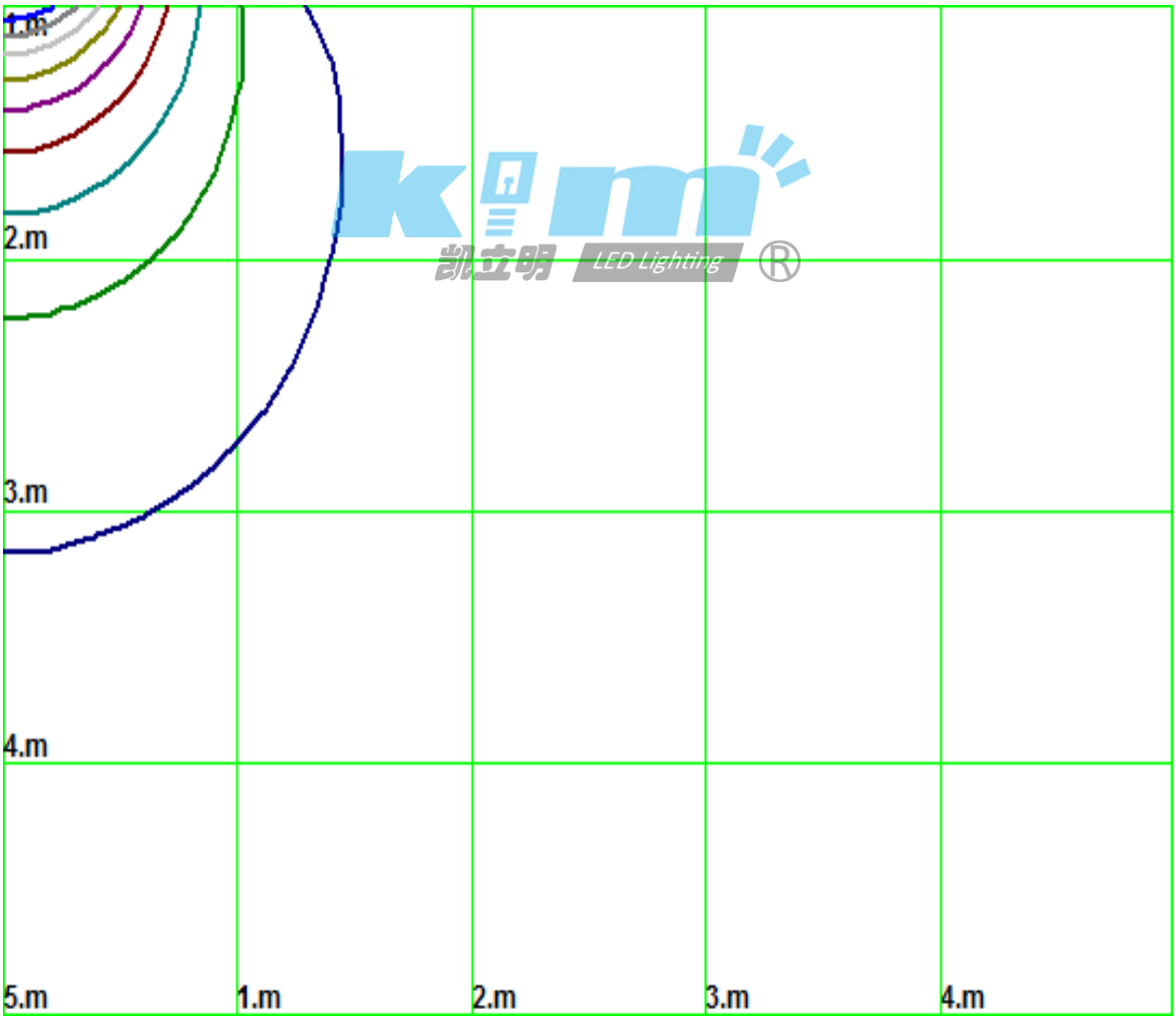
Isolx curve



Height: 1 m

(10%): 201.6lx (20%): 403.2lx (30%): 604.9lx (40%): 806.5lx
(50%): 1008.1lx (60%): 1209.7lx (70%): 1411.3lx (80%): 1612.9lx
(90%): 1814.6lx (100%): 2014.2lx

Space Isolx Curve



(10%): 201.6lx (20%): 403.2lx (30%): 604.9lx (40%): 806.5lx
(50%): 1008.1lx (60%): 1209.7lx (70%): 1411.3lx (80%): 1612.9lx
(90%): 1814.6lx (100%): 2014.2lx

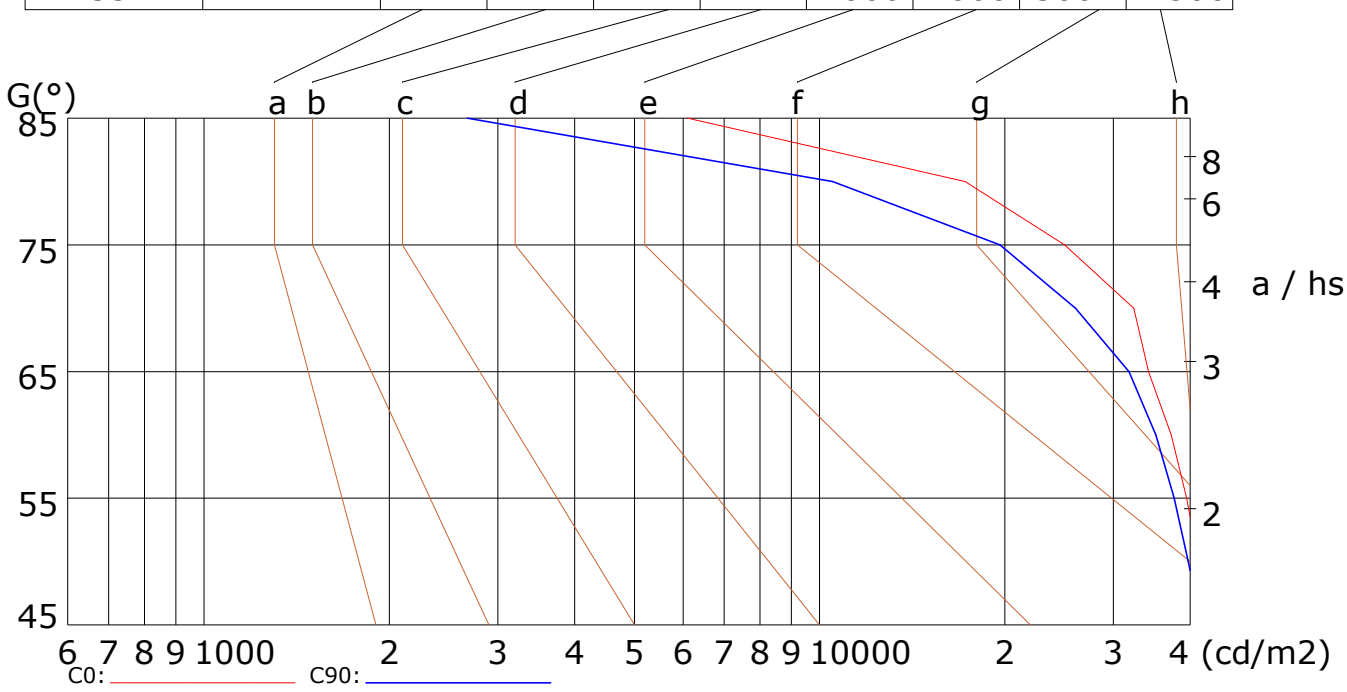
Luminance Limitting Curve

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

(cd/m2)

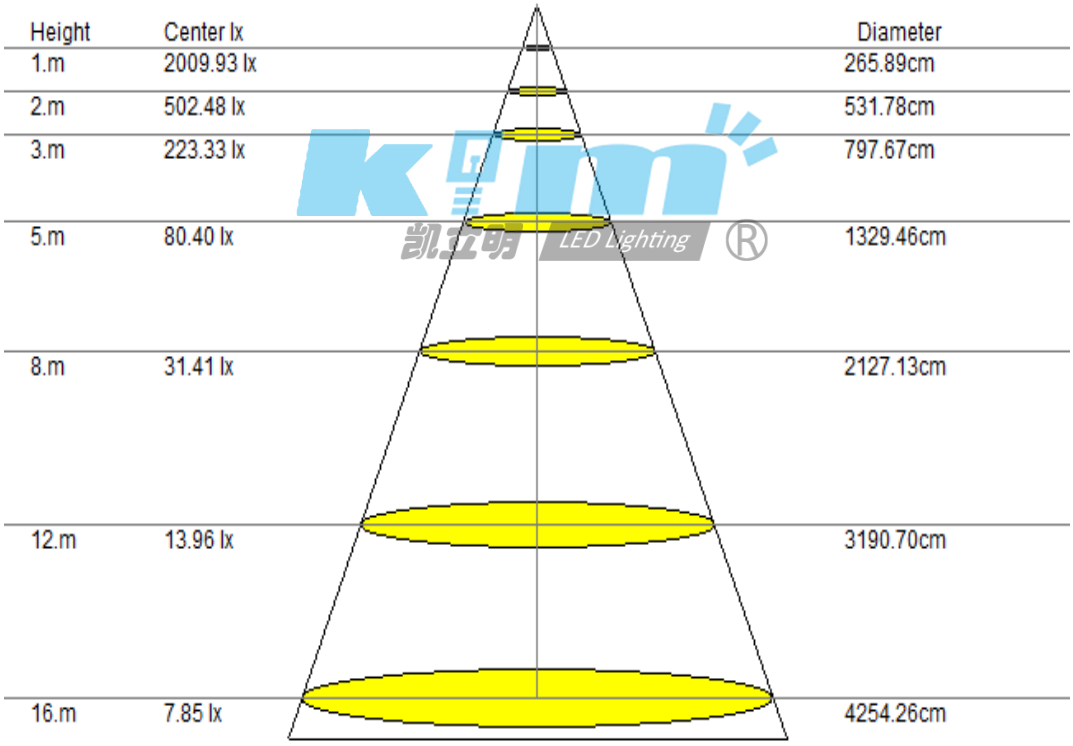
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	42860	41280	39465	37262	34227	32386	25022	17232	6103
C90	41609	39736	37673	35170	31816	26048	19627	10498	2677

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



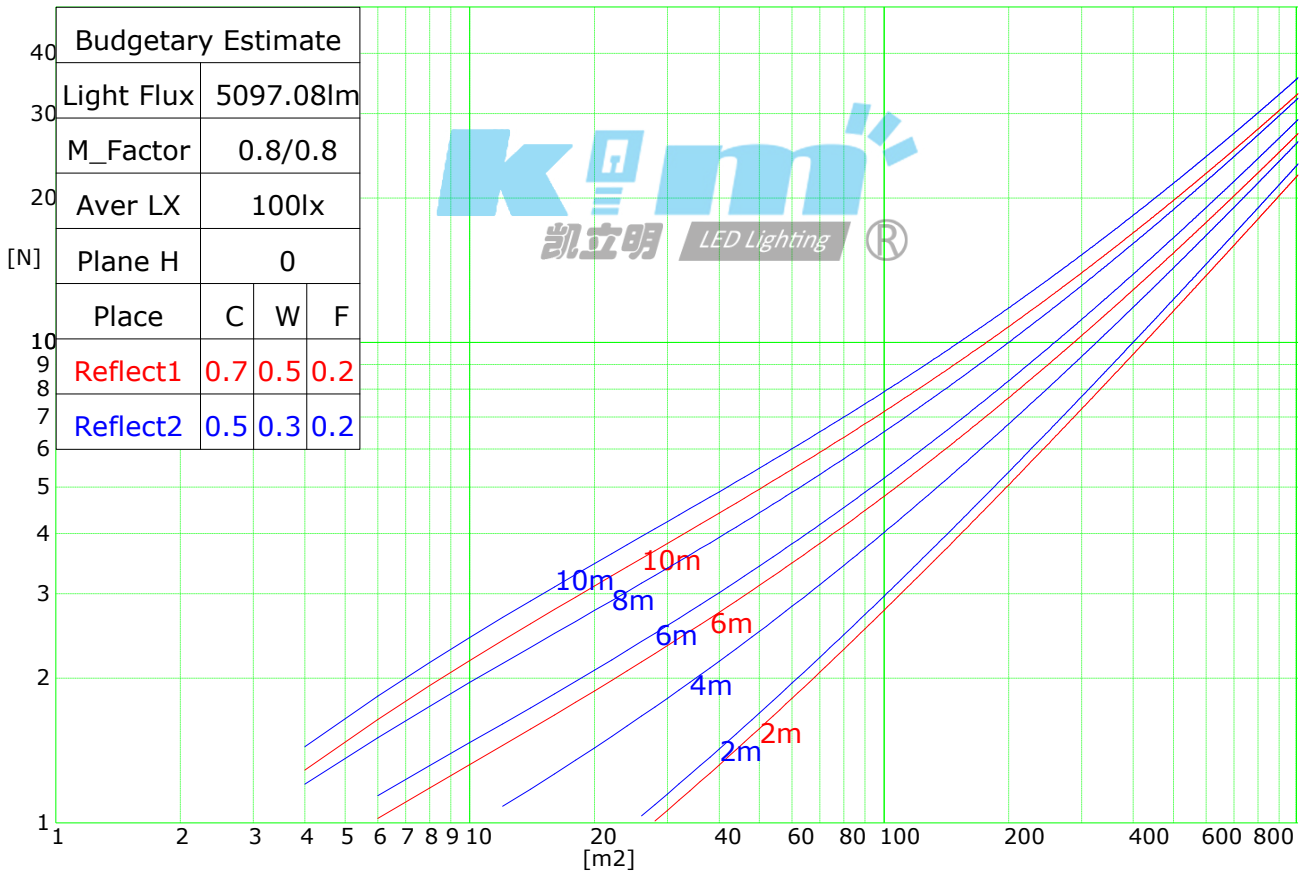
Beam Angle:106.10°(50%Imax)

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	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	0.82	0.84	0.81	0.77	0.80	0.76	0.72	0.67
3	0.78	0.75	0.74	0.78	0.75	0.72	0.77	0.73	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	0.65	0.62	0.68	0.63	0.59	0.66	0.61	0.57	0.64	0.58	0.53	0.49
5	0.60	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	0.46	0.54	0.48	0.43	0.53	0.46	0.41	0.38
7	0.47	0.45	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	0.41	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

Budgetary Estimate			
Light Flux	5097.08lm		
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		Weft to light axis direction of observation					Direction of light axis parallel observation				
X	Y										
2H	2H	14.8	15.9	15.1	15.9	16.5	14.5	15.9	14.9	16.1	16.4
	3H	16.2	17.5	16.6	17.7	18.1	16.2	17.3	16.5	17.8	18.0
	4H	17.0	18.1	17.3	18.5	18.7	16.9	18.0	17.2	18.6	18.9
	6H	17.6	18.5	18.1	18.9	19.0	17.5	18.4	17.8	19.0	19.0
	8H	17.9	18.8	18.1	19.0	19.3	17.9	18.8	17.9	19.0	19.4
	12H	17.8	18.9	18.2	19.1	19.6	17.9	18.6	18.1	19.3	19.4
4H	2H	15.7	16.6	15.9	16.8	17.0	15.5	16.6	15.7	16.8	17.0
	3H	17.3	18.4	17.7	18.3	18.7	17.4	18.3	17.5	18.4	18.8
	4H	18.2	19.0	18.6	19.1	19.4	18.0	18.9	18.4	19.2	19.5
	6H	18.8	19.5	19.1	19.9	20.1	18.7	19.5	19.0	19.7	20.2
	8H	19.1	19.7	19.4	19.9	20.4	19.0	19.6	19.3	19.9	20.2
	12H	19.2	20.0	19.5	20.2	20.4	19.2	19.7	19.5	20.1	20.6
8H	4H	18.5	19.2	19.0	19.4	19.9	18.4	19.1	18.7	19.4	19.9
	6H	19.4	19.9	19.9	20.2	20.5	19.3	19.8	19.7	20.1	20.6
	8H	19.6	20.2	20.1	20.5	21.0	19.7	20.1	20.0	20.4	21.0
	12H	20.0	20.4	20.5	20.8	21.2	19.9	20.3	20.3	20.8	21.2
12H	4H	18.6	19.2	18.9	19.4	19.8	18.5	19.1	18.8	19.5	19.9
	6H	19.5	20.0	19.9	20.2	20.7	19.5	19.8	19.7	20.2	20.7
	8H	19.8	20.4	20.4	20.5	21.0	19.9	20.1	20.2	20.6	21.0