



Luminaire Property

Luminaire Description: **50W LED Street Light**

Luminaire Categories: Solar Powered

Lamp Category:

Lamp Description:

Number of Lamp:

Lamp Lumens(lm): 4850.68 Luminous

Length(m): 0.0

Luminous Width(m): 0.0

Luminous Height(m): 0.0

Voltage: 0.0 V

Current: 0.0 A

Power: 0.0 W

Power Factor: 0.000

Test Lab:

Photometric Type: Type C

Manufacturer: ADS LED Illumination Sdn Bhd

Photometric Results

CIE Class: Direct

Measurement Flux: 4850.68 lm

Efficiency: NA...!

Central Intensity: 1377.268cd

Max. Intensity: 1897.177cd

Field Angle(10%Imax): Left: -140.7 Right:12.5

Max.Intensity Angle: C:0.0 G:67.0

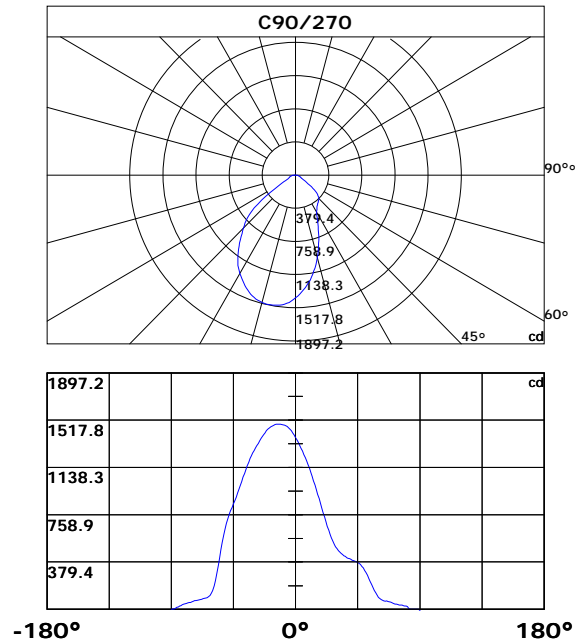
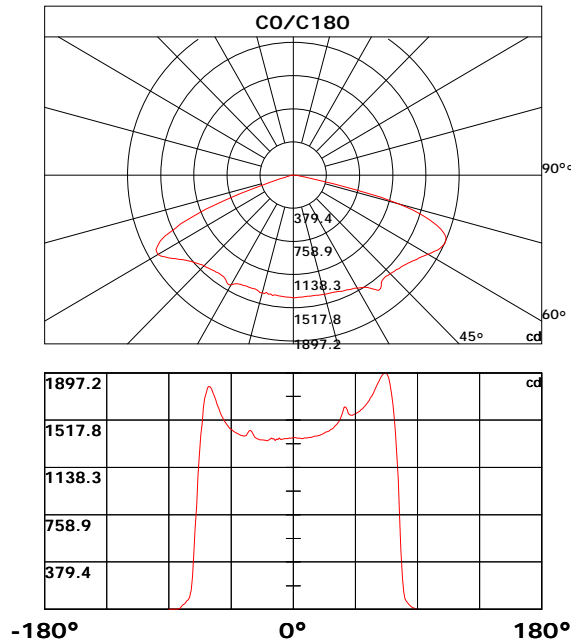
Beam Angle(50%Imax): L: -136.5 R:9.3

Luminaire Efficacy Rating(LER) : 100.00%

Upward Ratio: 0.0%

Downward Ratio: 100.0%

Beamwidth(50%Imax): C0/180=128.55 C90/270=78.61





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	1377.3	1377.8	1376.0	1373.0	1374.9	1372.6	1371.3	1371.3	1374.3	1373.8
C30.0	1377.3	1394.4	1383.2	1373.1	1363.1	1356.9	1344.7	1337.9	1328.0	1320.2
C60.0	1377.3	1366.7	1351.4	1340.2	1315.5	1300.4	1280.5	1258.5	1236.3	1218.2
C90.0	1377.3	1362.7	1339.3	1316.3	1291.7	1269.9	1241.1	1215.9	1190.4	1161.4
C120.0	1377.3	1334.6	1317.3	1293.4	1275.2	1252.7	1233.4	1207.6	1183.5	1161.8
C150.0	1377.3	1349.9	1335.8	1325.2	1313.2	1299.8	1285.9	1272.8	1261.6	1245.0
C180.0	1377.3	1374.2	1373.1	1374.7	1370.8	1370.3	1369.5	1367.0	1364.4	1361.9
C210.0	1377.3	1409.6	1420.7	1426.6	1432.9	1439.6	1447.1	1452.1	1454.1	1459.9
C240.0	1377.3	1399.7	1419.0	1436.2	1450.4	1444.8	1466.0	1470.2	1474.6	1479.1
C270.0	1377.3	1398.1	1417.1	1432.8	1444.7	1455.6	1467.3	1473.4	1477.1	1480.8
C300.0	1377.3	1371.4	1383.4	1399.5	1409.3	1423.6	1431.4	1436.1	1444.5	1449.2
C330.0	1377.3	1367.0	1377.0	1385.7	1394.3	1399.3	1408.9	1415.0	1420.8	1426.6
C360.0	1377.3	1377.8	1376.0	1373.0	1374.9	1372.6	1371.3	1371.3	1374.3	1373.8
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	1373.9	1376.8	1380.3	1380.9	1382.7	1386.8	1390.2	1390.1	1391.7	1395.4
C30.0	1311.6	1301.4	1294.7	1286.0	1276.5	1268.1	1258.7	1251.1	1242.3	1236.2
C60.0	1191.9	1171.8	1148.4	1126.1	1102.6	1072.1	1047.5	1020.8	993.3	965.6
C90.0	1130.6	1097.3	1067.3	1030.2	997.1	961.8	924.0	890.4	849.3	812.9
C120.0	1130.0	1104.3	1074.5	1047.3	1015.8	981.5	952.1	915.4	883.7	849.9
C150.0	1231.1	1218.1	1203.9	1188.2	1173.1	1164.3	1132.4	1131.7	1109.3	1077.9
C180.0	1373.6	1362.0	1367.5	1354.2	1370.9	1367.0	1374.9	1362.2	1356.0	1352.1
C210.0	1461.2	1467.1	1468.0	1474.7	1477.2	1478.9	1481.5	1484.6	1488.5	1487.7
C240.0	1484.7	1485.9	1485.1	1488.0	1488.5	1486.8	1484.8	1483.7	1479.3	1475.8
C270.0	1483.3	1486.2	1485.4	1486.8	1485.4	1481.8	1475.6	1470.8	1464.9	1454.9
C300.0	1451.6	1455.2	1459.6	1462.0	1458.3	1460.2	1460.7	1462.2	1458.9	1454.1
C330.0	1431.6	1438.2	1441.6	1447.6	1453.6	1457.2	1462.5	1465.6	1472.4	1475.1
C360.0	1373.9	1376.8	1380.3	1380.9	1382.7	1386.8	1390.2	1390.1	1391.7	1395.4
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	1400.9	1404.9	1410.0	1417.8	1423.6	1426.5	1432.3	1441.1	1447.2	1454.1
C30.0	1227.0	1218.6	1209.3	1201.7	1194.7	1187.7	1176.8	1170.6	1163.0	1153.7
C60.0	935.0	909.8	878.1	851.5	818.5	790.9	766.9	737.6	711.9	682.5
C90.0	776.1	740.7	704.4	667.0	635.5	601.6	572.5	546.1	522.4	501.9
C120.0	818.3	789.0	749.2	719.0	682.7	654.9	626.2	597.2	573.8	546.4
C150.0	1065.1	1051.6	1033.6	1008.7	990.2	970.2	951.7	933.4	915.7	899.3
C180.0	1356.9	1358.5	1359.3	1358.6	1360.6	1365.8	1366.9	1373.8	1383.3	1401.4
C210.0	1491.2	1491.8	1491.7	1493.6	1492.3	1496.8	1498.7	1499.6	1504.1	1507.3
C240.0	1471.2	1465.4	1461.1	1452.4	1442.8	1434.1	1424.0	1410.6	1395.1	1383.5
C270.0	1445.3	1434.9	1417.2	1402.8	1386.1	1369.0	1352.3	1330.6	1313.6	1294.5
C300.0	1452.4	1443.0	1435.4	1428.8	1421.0	1411.8	1402.4	1397.1	1383.7	1371.3
C330.0	1478.0	1482.5	1485.1	1490.1	1494.7	1500.3	1502.6	1505.6	1509.6	1513.0
C360.0	1400.9	1404.9	1410.0	1417.8	1423.6	1426.5	1432.3	1441.1	1447.2	1454.1



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	1467.7	1476.6	1489.3	1505.4	1525.4	1555.5	1589.2	1624.3	1619.7	1603.0
C30.0	1149.4	1140.1	1132.7	1124.7	1113.4	1105.5	1092.3	1086.7	1077.3	1069.4
C60.0	659.8	633.7	608.7	591.2	567.7	552.3	531.2	518.0	505.9	492.3
C90.0	485.5	470.9	459.8	448.6	439.5	429.4	423.4	415.4	409.6	405.5
C120.0	527.1	506.5	489.9	475.0	464.3	454.6	441.7	434.4	426.5	419.1
C150.0	881.6	864.4	846.5	831.2	818.0	801.5	790.5	775.8	763.2	750.1
C180.0	1424.9	1436.2	1431.9	1413.2	1396.7	1391.7	1391.4	1394.3	1394.7	1402.9
C210.0	1517.1	1519.5	1531.4	1538.4	1539.7	1515.7	1533.5	1520.7	1516.5	1494.1
C240.0	1367.3	1355.5	1343.2	1328.8	1316.9	1299.0	1282.5	1266.8	1249.2	1233.0
C270.0	1275.0	1254.1	1231.4	1209.5	1179.2	1152.4	1121.9	1090.1	1061.7	1026.7
C300.0	1360.9	1353.1	1339.4	1326.0	1316.1	1299.6	1281.1	1261.4	1244.1	1223.2
C330.0	1517.8	1525.3	1534.5	1543.6	1549.0	1556.5	1564.1	1565.1	1562.7	1554.1
C360.0	1467.7	1476.6	1489.3	1505.4	1525.4	1555.5	1589.2	1624.3	1619.7	1603.0
C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	1570.3	1558.7	1557.0	1556.0	1565.4	1566.2	1574.8	1582.2	1588.6	1601.5
C30.0	1063.8	1055.4	1049.1	1045.0	1039.5	1037.5	1028.3	1022.0	993.6	992.8
C60.0	482.9	472.8	464.0	454.3	444.6	440.5	432.4	422.5	411.9	399.9
C90.0	400.2	394.9	391.3	385.8	382.2	375.0	368.4	359.1	344.6	331.5
C120.0	410.9	406.8	401.5	394.6	389.5	382.0	374.0	367.0	351.9	339.5
C150.0	739.7	731.4	720.8	712.6	703.9	699.6	693.1	684.2	675.5	666.3
C180.0	1407.1	1413.7	1420.7	1426.9	1437.2	1444.3	1451.7	1466.1	1480.0	1498.4
C210.0	1496.8	1507.1	1502.1	1497.4	1501.8	1506.9	1510.4	1517.7	1523.2	1532.0
C240.0	1211.3	1196.2	1173.0	1153.1	1133.7	1111.7	1091.1	1065.7	1040.6	1010.2
C270.0	998.0	961.6	931.8	899.1	869.9	845.8	817.2	793.1	762.8	730.9
C300.0	1201.9	1181.5	1161.0	1139.7	1115.7	1093.6	1071.2	1047.1	1022.9	991.8
C330.0	1545.5	1531.5	1526.6	1525.6	1524.3	1526.5	1527.7	1532.1	1535.6	1541.6
C360.0	1570.3	1558.7	1557.0	1556.0	1565.4	1566.2	1574.8	1582.2	1588.6	1601.5
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	1609.7	1621.1	1631.7	1644.1	1662.4	1676.3	1699.3	1714.8	1735.0	1757.8
C30.0	989.7	988.3	973.1	984.8	953.3	931.7	906.1	873.1	833.0	791.2
C60.0	383.8	366.9	347.2	326.4	300.2	276.3	249.6	222.1	195.9	168.4
C90.0	312.6	294.8	272.6	247.3	224.7	198.0	174.0	151.5	131.6	114.2
C120.0	320.6	301.1	277.5	257.4	231.0	203.1	178.8	153.6	130.4	107.8
C150.0	654.1	638.1	618.8	593.4	566.0	525.9	482.3	429.7	381.3	326.4
C180.0	1513.9	1533.2	1556.0	1581.2	1613.3	1641.9	1676.4	1706.5	1737.2	1765.6
C210.0	1544.7	1558.7	1574.0	1590.2	1606.0	1619.7	1626.1	1627.7	1624.2	1612.2
C240.0	973.6	930.8	879.7	814.6	750.5	670.9	593.8	511.8	422.6	345.8
C270.0	688.8	646.0	599.3	538.0	482.1	414.7	351.9	284.7	231.4	187.8
C300.0	962.6	921.1	875.2	818.9	757.2	691.0	612.9	537.8	452.5	373.5
C330.0	1552.2	1561.5	1572.1	1583.4	1598.5	1613.2	1624.0	1633.5	1634.4	1621.3
C360.0	1609.7	1621.1	1631.7	1644.1	1662.4	1676.3	1699.3	1714.8	1735.0	1757.8



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	1779.5	1808.3	1827.9	1854.2	1873.8	1886.0	1897.0	1897.2	1886.4	1857.1
C30.0	732.5	671.8	597.8	526.2	443.9	367.1	294.4	216.4	157.7	109.3
C60.0	145.7	122.8	105.9	89.2	78.0	72.2	70.8	65.4	62.6	62.0
C90.0	95.9	85.4	77.3	71.6	68.0	65.7	65.9	61.5	58.4	56.3
C120.0	92.8	83.6	70.7	65.0	60.1	58.3	54.7	51.8	52.9	50.5
C150.0	267.3	215.9	163.4	127.3	91.8	74.3	65.2	61.4	57.2	50.5
C180.0	1784.0	1787.0	1777.5	1737.0	1693.9	1618.1	1486.5	1401.6	1222.8	1070.1
C210.0	1582.7	1545.9	1489.2	1422.4	1330.9	1234.1	1124.6	989.6	869.0	736.1
C240.0	263.8	203.9	158.1	126.6	103.8	87.5	82.0	75.8	70.8	67.2
C270.0	151.2	129.0	111.9	101.3	94.0	90.9	88.1	85.0	80.5	76.9
C300.0	296.7	232.1	181.9	143.6	118.6	100.9	88.8	85.8	80.3	74.6
C330.0	1600.2	1567.3	1517.2	1458.4	1385.1	1307.1	1213.8	1095.0	984.4	858.6
C360.0	1779.5	1808.3	1827.9	1854.2	1873.8	1886.0	1897.0	1897.2	1886.4	1857.1
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	1805.4	1744.3	1648.8	1545.3	1419.5	1251.3	1035.8	739.6	473.8	250.5
C30.0	78.7	62.8	55.0	52.1	48.3	44.0	41.2	38.9	35.9	32.9
C60.0	58.6	53.6	50.6	50.7	45.8	40.4	40.2	37.7	32.2	28.3
C90.0	52.8	47.2	43.3	42.6	39.4	35.3	32.6	32.8	29.2	26.3
C120.0	43.5	38.6	37.5	37.6	30.9	30.9	29.8	24.3	19.2	17.1
C150.0	50.9	48.9	42.5	39.7	38.4	35.5	31.1	26.5	25.8	21.9
C180.0	830.6	645.1	442.1	263.7	153.9	97.2	78.1	65.9	52.3	42.8
C210.0	620.5	502.1	408.2	321.4	250.9	189.2	136.9	104.8	81.3	60.7
C240.0	66.5	62.1	56.5	55.5	52.1	47.0	43.1	42.7	40.2	36.1
C270.0	75.4	72.0	69.7	69.7	65.1	60.2	55.9	54.1	52.3	47.2
C300.0	72.9	68.2	66.9	62.2	62.0	58.1	51.8	51.2	47.8	48.3
C330.0	736.8	601.7	489.2	378.7	294.5	226.2	168.2	128.1	94.5	74.0
C360.0	1805.4	1744.3	1648.8	1545.3	1419.5	1251.3	1035.8	739.6	473.8	250.5
C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	137.2	82.1	63.7	50.4	37.2	25.8	16.2	11.7	9.1	3.0
C30.0	31.6	26.7	22.3	18.8	15.7	13.7	7.1	2.4	0.0	0.0
C60.0	28.2	26.3	22.0	19.0	17.3	13.5	10.9	6.4	5.6	5.1
C90.0	25.6	19.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C120.0	17.8	11.7	9.5	3.8	1.4	0.0	0.0	0.0	0.0	0.0
C150.0	20.0	17.5	17.3	15.4	10.8	8.9	7.8	6.4	7.1	7.8
C180.0	34.1	20.0	9.2	1.9	0.4	0.0	0.0	0.0	0.0	0.0
C210.0	49.8	39.1	33.8	26.4	19.9	8.9	3.5	0.0	0.0	0.0
C240.0	33.9	31.6	26.4	22.1	20.6	13.8	5.6	2.6	0.0	0.0
C270.0	44.5	40.6	36.8	30.1	25.9	19.6	14.5	7.5	2.5	0.0
C300.0	44.1	43.1	42.7	39.7	34.9	31.5	25.5	20.0	12.8	3.3
C330.0	58.3	47.3	39.6	34.5	29.9	25.1	20.6	16.3	13.6	8.0
C360.0	137.2	82.1	63.7	50.4	37.2	25.8	16.2	11.7	9.1	3.0



Light intensity data Unit[cd]

C\G	G90.0									
C0.0	0.3									
C30.0	-5.8									
C60.0	4.6									
C90.0	-10.7									
C120.0	0.0									
C150.0	4.5									
C180.0	0.0									
C210.0	0.0									
C240.0	-8.0									
C270.0	0.0									
C300.0	-2.9									
C330.0	1.8									
C360.0	0.3									



Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	1377.27	0.00	0.00	0.00	0.00
0.0-1.0	1375.51	1.32	1.32	0.03	0.03
1.0-2.0	1374.45	3.95	5.26	0.10	0.13
2.0-3.0	1373.06	6.57	11.84	0.16	0.29
3.0-4.0	1369.67	9.18	21.02	0.23	0.52
4.0-5.0	1365.44	11.77	32.78	0.29	0.81
5.0-6.0	1362.26	14.33	47.12	0.35	1.16
6.0-7.0	1356.48	16.88	63.99	0.42	1.58
7.0-8.0	1350.78	19.38	83.37	0.48	2.06
8.0-9.0	1344.82	21.85	105.21	0.54	2.60
9.0-10.0	1337.92	24.28	129.49	0.60	3.20
10.0-11.0	1330.35	26.66	156.15	0.66	3.85
11.0-12.0	1323.03	29.01	185.16	0.72	4.57
12.0-13.0	1314.34	31.30	216.46	0.77	5.34
13.0-14.0	1306.80	33.55	250.01	0.83	6.17
14.0-15.0	1297.20	35.75	285.76	0.88	7.05
15.0-16.0	1287.07	37.87	323.62	0.93	7.99
16.0-17.0	1277.38	39.94	363.56	0.99	8.98
17.0-18.0	1265.80	41.93	405.49	1.04	10.01
18.0-19.0	1253.11	43.82	449.31	1.08	11.09
19.0-20.0	1243.12	45.69	495.00	1.13	12.22
20.0-21.0	1232.57	47.54	542.54	1.17	13.39
21.0-22.0	1219.53	49.28	591.82	1.22	14.61
22.0-23.0	1207.66	50.93	642.75	1.26	15.87
23.0-24.0	1195.23	52.54	695.28	1.30	17.16
24.0-25.0	1184.14	54.10	749.38	1.34	18.50
25.0-26.0	1172.76	55.63	805.02	1.37	19.87
26.0-27.0	1161.93	57.12	862.14	1.41	21.28
27.0-28.0	1151.97	58.58	920.72	1.45	22.73
28.0-29.0	1142.42	60.03	980.75	1.48	24.21
29.0-30.0	1136.18	61.52	1042.27	1.52	25.73
30.0-31.0	1127.99	63.01	1105.28	1.56	27.29
31.0-32.0	1119.90	64.40	1169.68	1.59	28.88
32.0-33.0	1111.31	65.73	1235.41	1.62	30.50
33.0-34.0	1102.16	66.99	1302.40	1.65	32.15
34.0-35.0	1092.81	68.17	1370.56	1.68	33.84
35.0-36.0	1086.90	69.40	1439.97	1.71	35.55
36.0-37.0	1079.42	70.65	1510.62	1.74	37.29
37.0-38.0	1069.25	71.72	1582.34	1.77	39.06
38.0-39.0	1056.12	72.54	1654.88	1.79	40.85
39.0-40.0	1044.03	73.25	1728.13	1.81	42.66

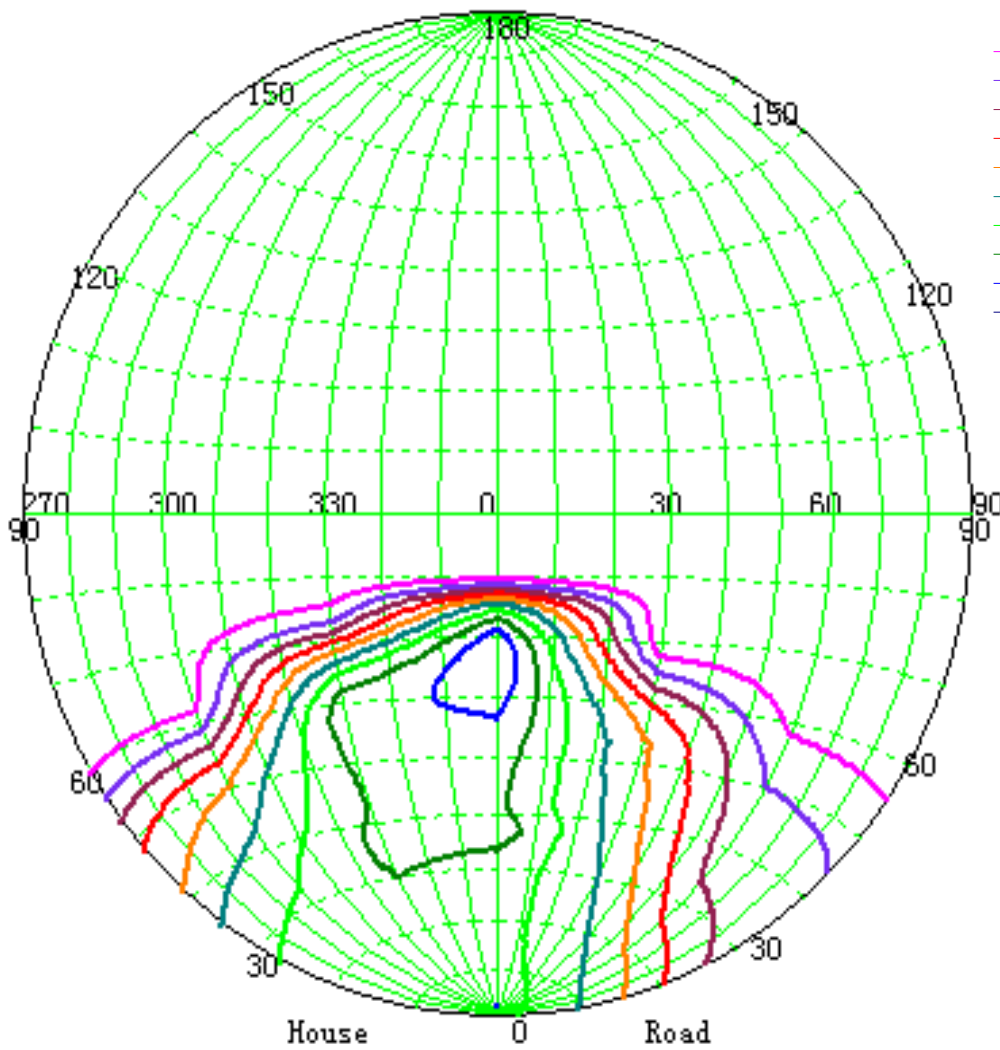


Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	1034.30	74.01	1802.14	1.83	44.49
41.0-42.0	1024.92	74.82	1876.95	1.85	46.34
42.0-43.0	1015.84	75.60	1952.55	1.87	48.20
43.0-44.0	1008.98	76.42	2028.97	1.89	50.09
44.0-45.0	1002.46	77.30	2106.27	1.91	52.00
45.0-46.0	995.02	78.12	2184.39	1.93	53.93
46.0-47.0	988.22	78.88	2263.27	1.95	55.87
47.0-48.0	977.61	79.47	2342.74	1.96	57.84
48.0-49.0	969.69	79.97	2422.70	1.97	59.81
49.0-50.0	958.86	80.41	2503.11	1.99	61.79
50.0-51.0	946.81	80.63	2583.74	1.99	63.79
51.0-52.0	931.43	80.60	2664.33	1.99	65.77
52.0-53.0	914.97	80.32	2744.65	1.98	67.76
53.0-54.0	895.43	79.79	2824.45	1.97	69.73
54.0-55.0	871.89	78.89	2903.34	1.95	71.68
55.0-56.0	847.92	77.71	2981.05	1.92	73.59
56.0-57.0	820.58	76.29	3057.34	1.88	75.48
57.0-58.0	792.44	74.59	3131.93	1.84	77.32
58.0-59.0	764.32	72.78	3204.71	1.80	79.12
59.0-60.0	732.68	70.72	3275.43	1.75	80.86
60.0-61.0	704.41	68.58	3344.01	1.69	82.55
61.0-62.0	673.24	66.38	3410.40	1.64	84.19
62.0-63.0	643.57	64.04	3474.44	1.58	85.77
63.0-64.0	611.83	61.60	3536.04	1.52	87.29
64.0-65.0	580.19	58.99	3595.03	1.46	88.75
65.0-66.0	544.31	56.11	3651.14	1.39	90.14
66.0-67.0	507.22	52.87	3704.01	1.31	91.44
67.0-68.0	465.25	49.26	3753.27	1.22	92.66
68.0-69.0	422.45	45.29	3798.56	1.12	93.78
69.0-70.0	374.38	40.92	3839.48	1.01	94.79
70.0-71.0	328.88	36.35	3875.83	0.90	95.68
71.0-72.0	284.16	31.88	3907.71	0.79	96.47
72.0-73.0	243.28	27.58	3935.29	0.68	97.15
73.0-74.0	208.39	23.75	3959.03	0.59	97.74
74.0-75.0	176.28	20.32	3979.36	0.50	98.24
75.0-76.0	145.40	17.08	3996.43	0.42	98.66
76.0-77.0	112.21	13.73	4010.17	0.34	99.00
77.0-78.0	82.03	10.40	4020.57	0.26	99.26
78.0-79.0	57.17	7.48	4028.05	0.18	99.44
79.0-80.0	43.77	5.44	4033.49	0.13	99.58
80.0-81.0	33.82	4.20	4037.68	0.10	99.68



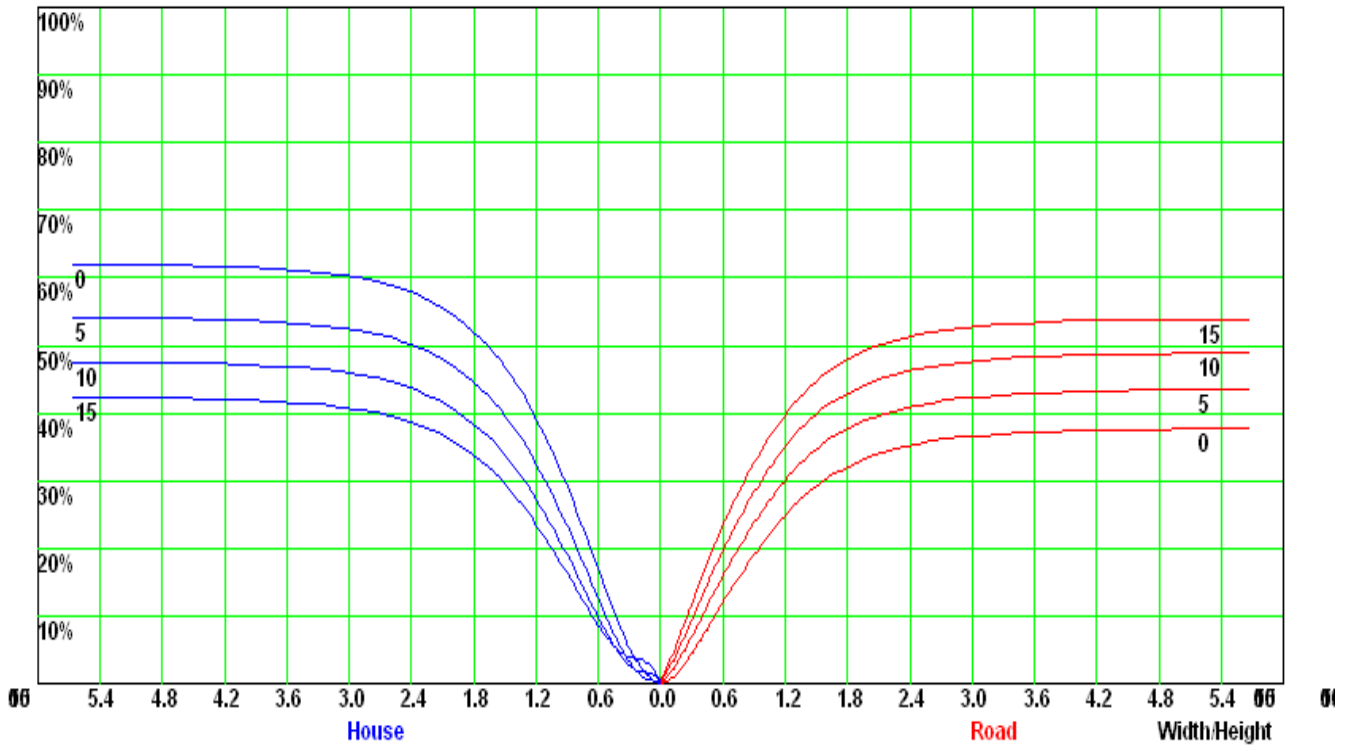
Iso-Candela [cd]



- (10%): 189.7177 cd
- (20%): 379.4354 cd
- (30%): 569.1531 cd
- (40%): 758.8708 cd
- (50%): 948.5885 cd
- (60%): 1138.306 cd
- (70%): 1328.024 cd
- (80%): 1517.742 cd
- (90%): 1707.459 cd
- (100%): 1897.177 cd

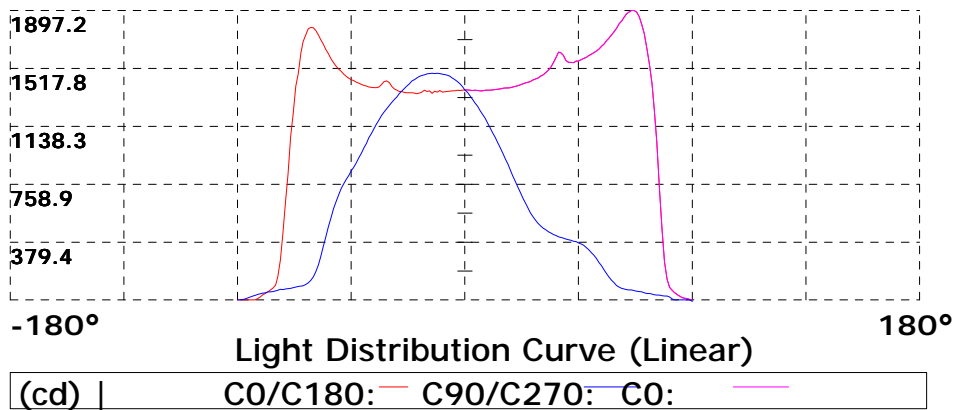
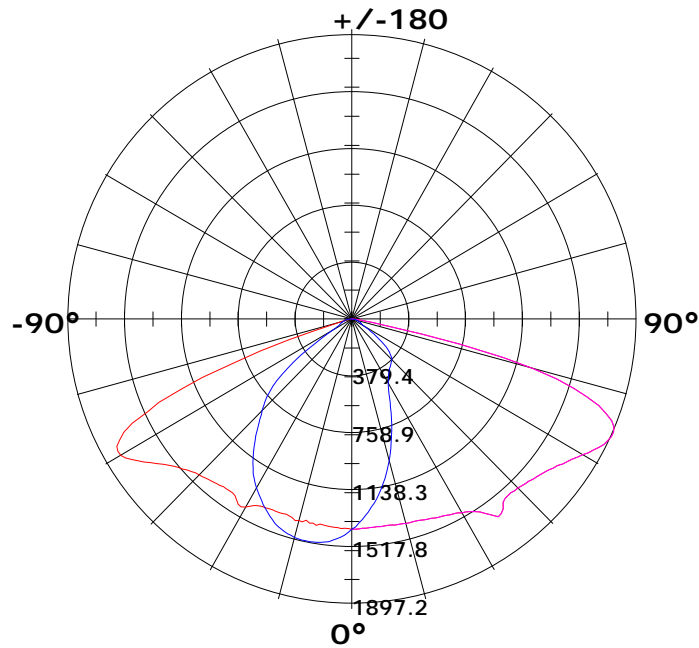


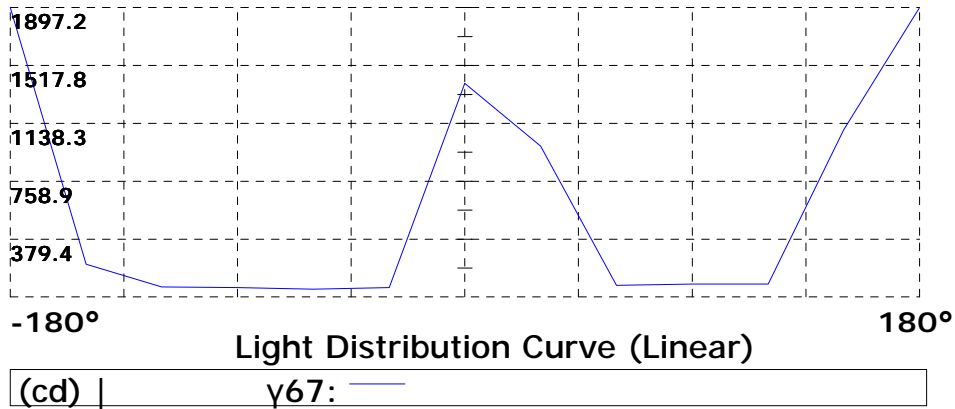
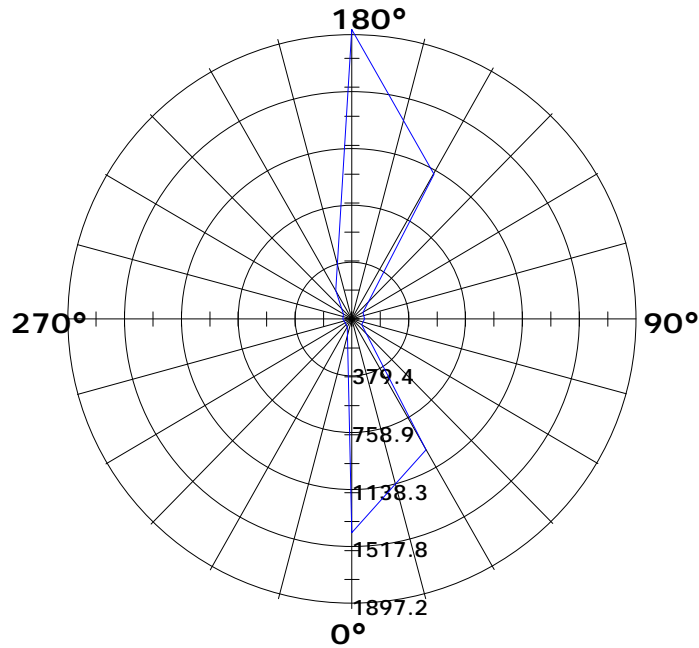
Coefficient Utilization Curve





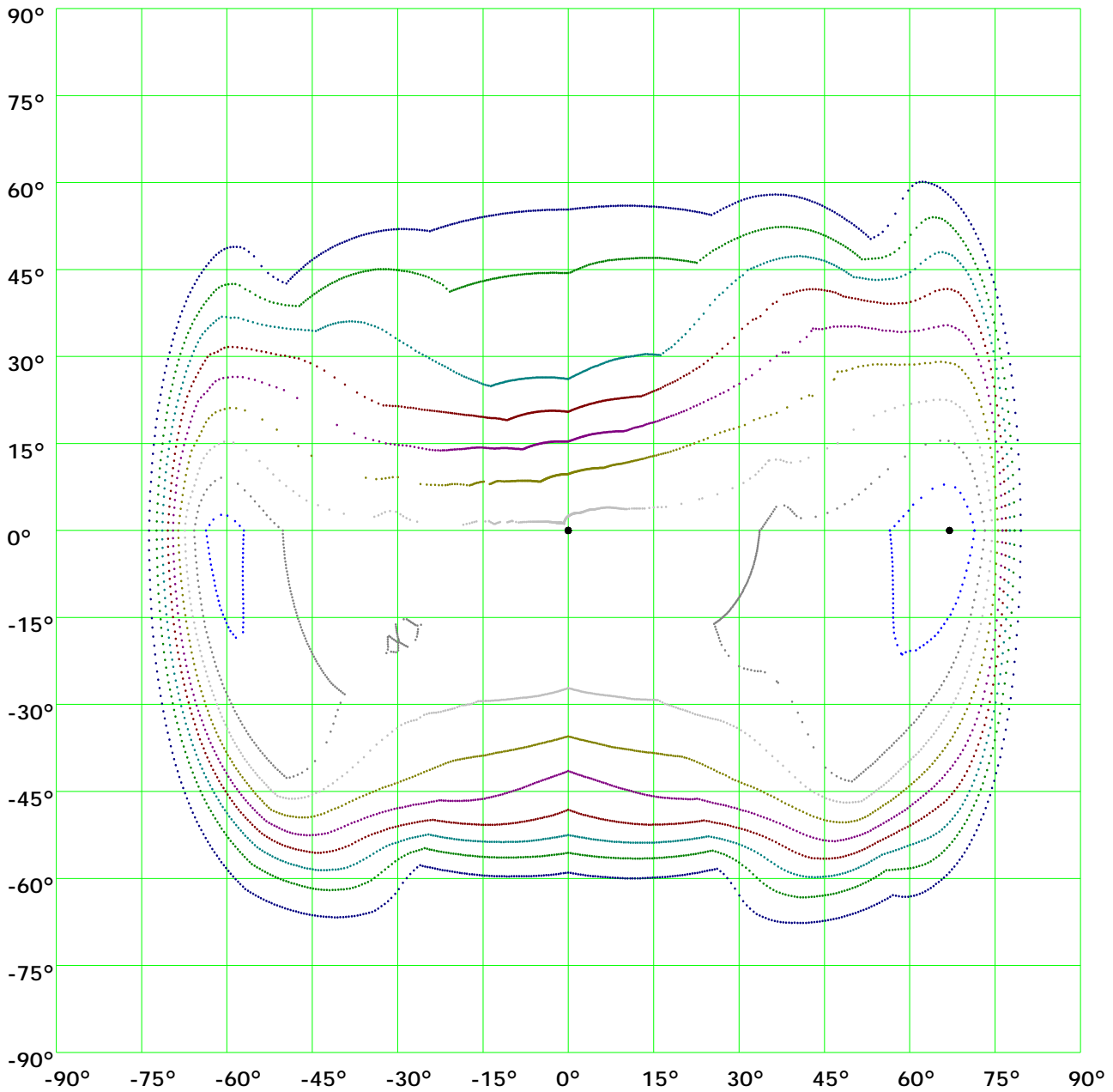
Light Distribution Curve [Unit: cd]







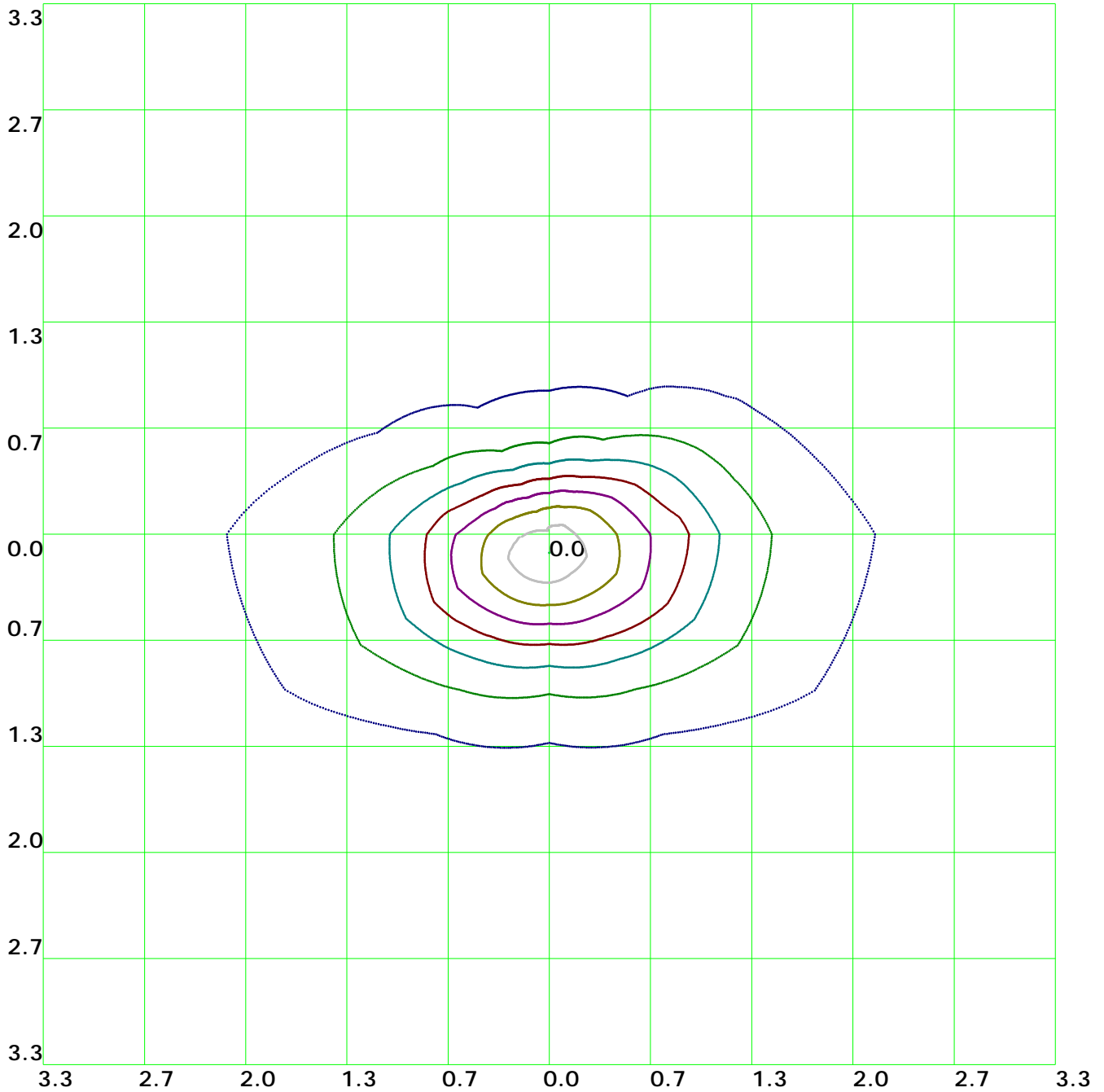
Isocandela(rectangle)



— (10%): 189.7cd	— (20%): 379.4cd	— (30%): 569.2cd	— (40%): 758.9cd
— (50%): 948.6cd	— (60%): 1138.3cd	— (70%): 1328.cd	— (80%): 1517.7cd
— (90%): 1707.5cd	— (100%): 1897.2cd		



Isolx curve

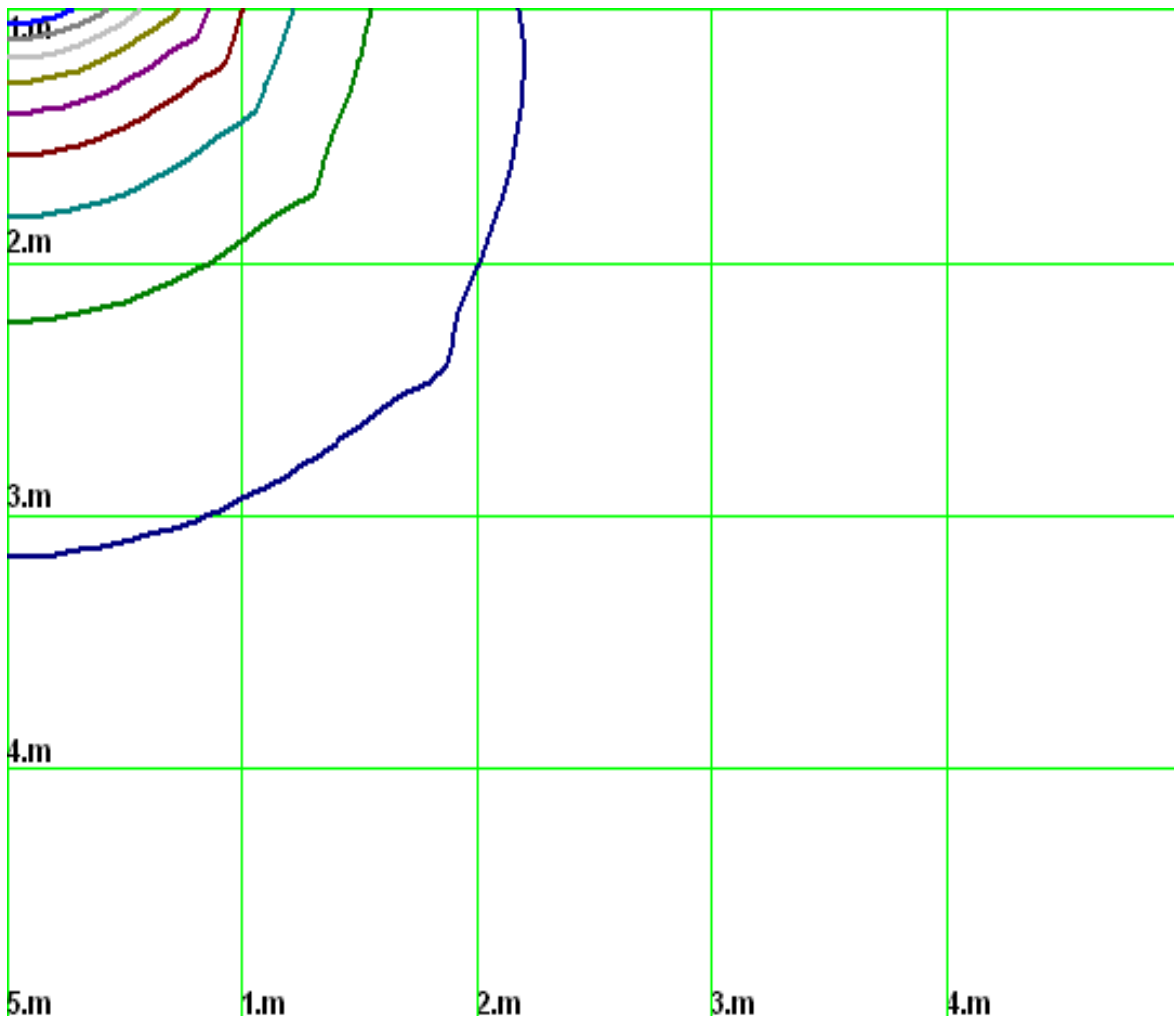


Height: 1 m

— (10%): 189.7lx	— (20%): 379.4lx	— (30%): 569.2lx	— (40%): 758.9lx
— (50%): 948.6lx	— (60%): 1138.3lx	— (70%): 1328.1lx	— (80%): 1517.7lx
— (90%): 1707.5lx	— (100%): 1895.3lx		



Space Isolx Curve



- (10%): 189.7lx — (20%): 379.4lx — (30%): 569.2lx — (40%): 758.9lx
- (50%): 948.6lx — (60%): 1138.3lx — (70%): 1328.1x — (80%): 1517.7lx
- (90%): 1707.5lx — (100%): 1895.3lx



Luminance Limiting Curve

Diameter: 0mm

Length: 0mm

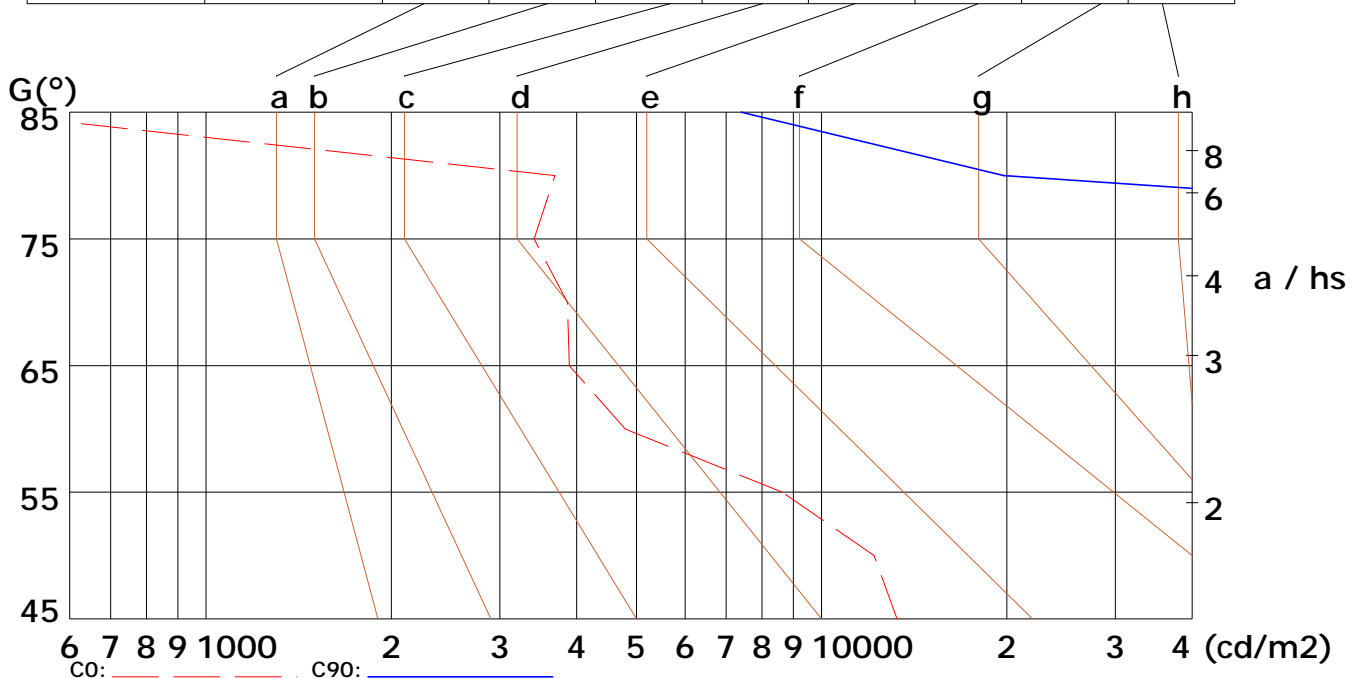
Width: 0mm

Height: 0mm

(cd/m²)

γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	13257	12159	8630	4796	3889	3863	3411	3686	0
C90	55374	62605	73063	88973	111568	131963	120864	9750	7399

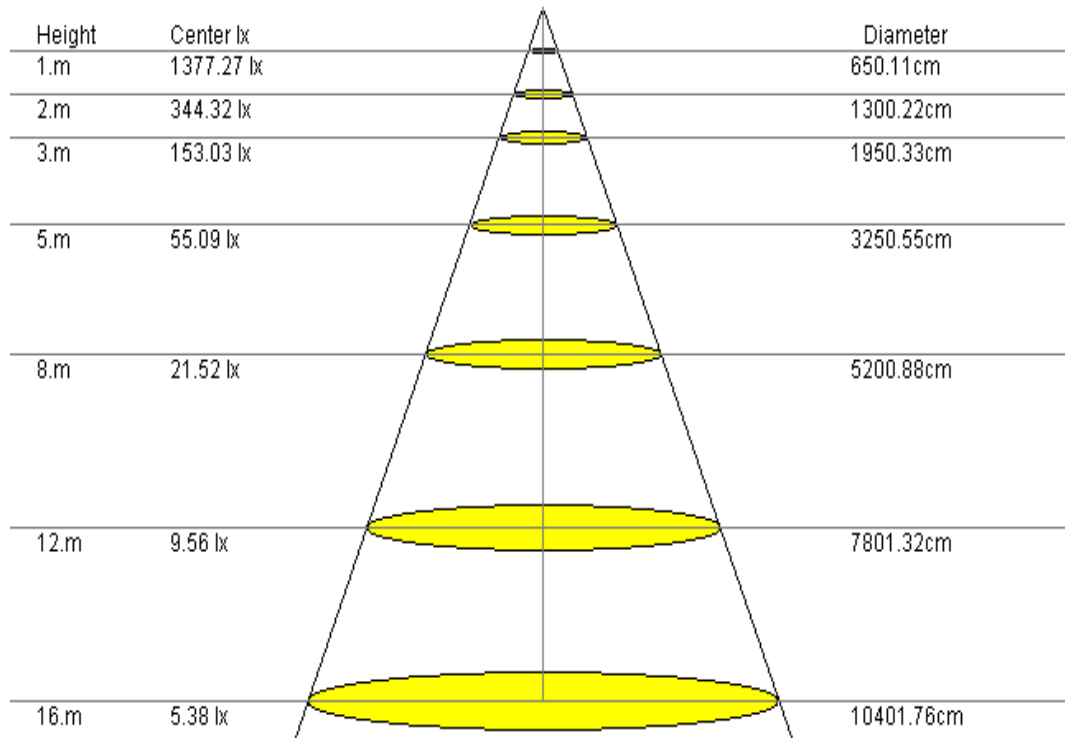
Glare	Quality	Service Values Illuminance (lx)									
1.15	A	2000	1000	500	≤300						
1.5	B		2000	1000	500	≤300					
1.85	C			2000	1000	500	≤300				
2.2	D				2000	1000	500	≤300			
2.55	E					2000	1000	500	≤300		



Lum. Limiting Curve (C0/C90)



Lux-Distance Curve



Beam Angle: 145.80° (50%Imax)

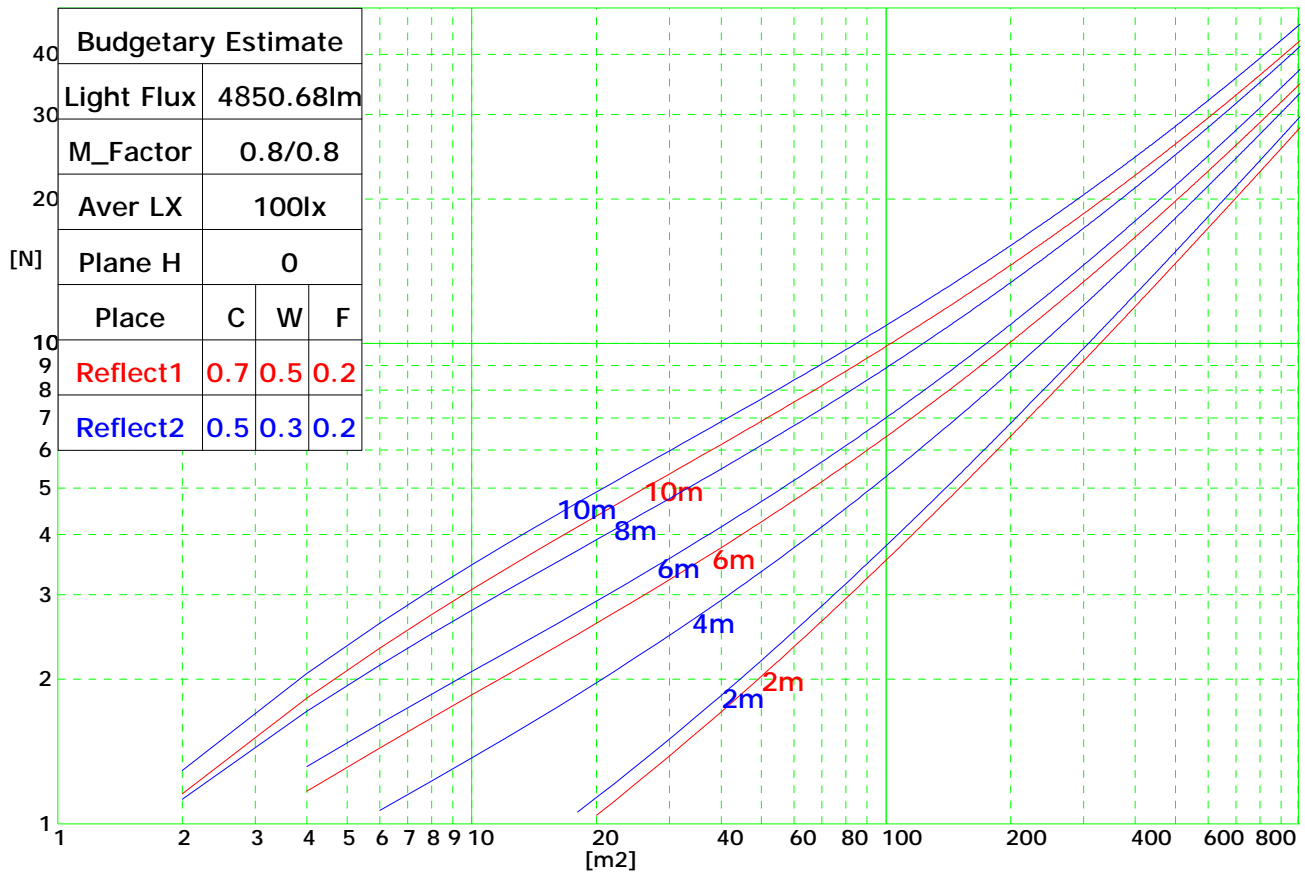


Coefficients of Utilization

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	1.06	1.04	1.03	1.04	1.02	1.01	1.01	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85	0.80
2	0.90	0.87	0.85	0.89	0.86	0.84	0.87	0.83	0.80	0.83	0.79	0.76	0.79	0.75	0.71	0.66
3	0.76	0.73	0.71	0.76	0.73	0.70	0.75	0.71	0.67	0.73	0.68	0.64	0.70	0.64	0.60	0.56
4	0.65	0.62	0.60	0.66	0.62	0.59	0.65	0.61	0.57	0.64	0.59	0.54	0.62	0.56	0.51	0.47
5	0.57	0.54	0.52	0.57	0.53	0.51	0.58	0.53	0.49	0.57	0.51	0.47	0.56	0.49	0.44	0.40
6	0.50	0.47	0.45	0.50	0.47	0.44	0.51	0.46	0.42	0.51	0.45	0.41	0.51	0.44	0.38	0.35
7	0.44	0.41	0.39	0.45	0.41	0.39	0.46	0.41	0.37	0.46	0.40	0.36	0.46	0.39	0.34	0.31
8	0.39	0.37	0.35	0.40	0.37	0.34	0.41	0.37	0.33	0.42	0.36	0.32	0.42	0.35	0.30	0.27
9	0.35	0.33	0.31	0.36	0.33	0.31	0.38	0.33	0.30	0.39	0.33	0.28	0.39	0.32	0.27	0.24
10	0.32	0.30	0.28	0.33	0.30	0.28	0.35	0.30	0.27	0.36	0.30	0.26	0.36	0.30	0.25	0.22



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	15.5	16.8	15.7	16.8	17.4	15.5	16.8	15.6	16.8	17.4
	3H	17.2	18.3	17.6	18.8	18.9	17.1	18.3	17.3	18.8	18.9
	4H	17.8	19.1	18.3	19.7	19.9	17.8	19.0	18.3	19.6	19.8
	6H	18.6	19.5	18.9	19.9	20.0	18.4	19.3	18.8	20.0	20.0
	8H	18.7	19.8	19.0	20.1	20.4	18.7	19.7	18.9	20.0	20.4
4H	12H	18.8	19.8	19.1	20.2	20.6	18.7	19.7	19.1	20.2	20.6
	2H	16.5	17.5	16.7	17.7	17.9	16.5	17.5	16.7	17.8	17.9
	3H	18.4	19.4	18.6	19.4	19.8	18.3	19.2	18.5	19.3	19.8
	4H	19.2	19.9	19.5	20.1	20.6	19.0	19.9	19.4	20.1	20.7
	6H	19.8	20.6	20.2	20.8	21.3	19.7	20.5	20.0	20.8	21.1
8H	8H	20.0	20.7	20.4	21.1	21.4	20.1	20.6	20.3	21.1	21.4
	12H	20.2	20.9	20.7	21.2	21.7	20.2	20.8	20.6	21.2	21.6
	4H	19.4	20.2	19.8	20.5	20.9	19.5	20.1	19.8	20.5	20.9
	6H	20.3	20.8	20.8	21.3	21.7	20.2	20.8	20.7	21.3	21.7
	8H	20.8	21.2	21.3	21.6	22.0	20.7	21.1	21.2	21.5	22.2
12H	12H	21.1	21.5	21.4	22.0	22.3	20.9	21.4	21.4	22.0	22.4
	4H	19.6	20.2	20.1	20.7	20.9	19.5	20.1	19.9	20.5	20.9
	6H	20.6	21.1	20.9	21.3	21.8	20.5	21.0	20.9	21.3	21.8
	8H	20.9	21.3	21.4	21.7	22.3	20.8	21.3	21.4	21.8	22.2