

## Luminaire Property

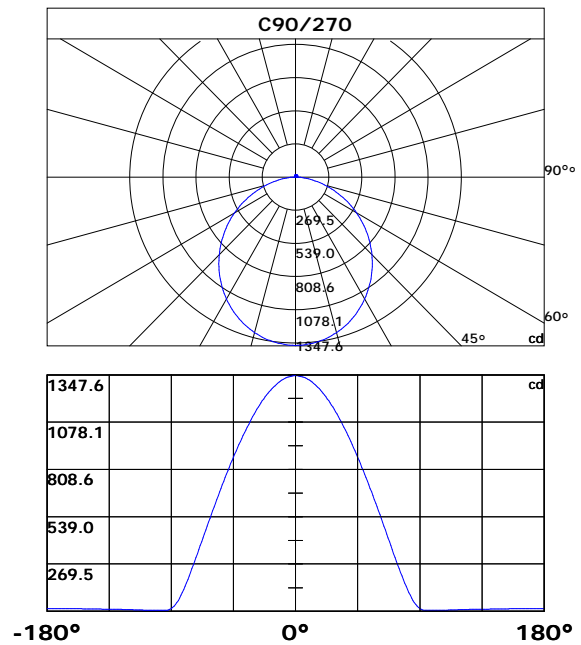
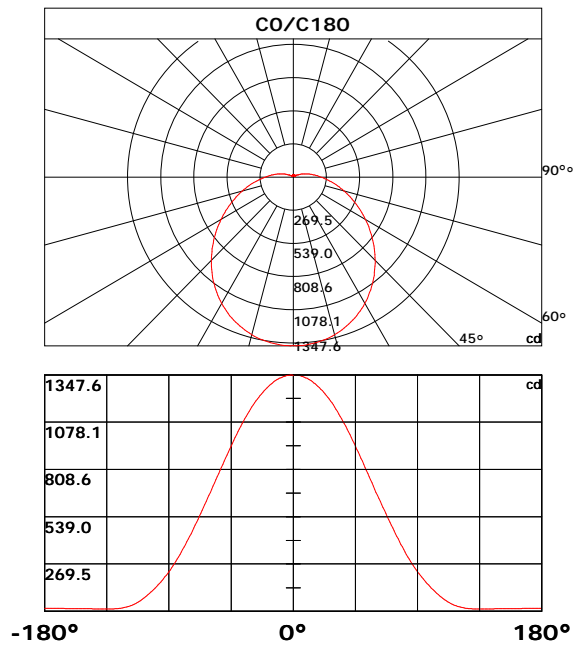
Luminaire Description: F2151-50W-4000K  
 Luminaire Categorie:  
 Lamp Categorie:  
 Lamp Description:  
 Number of Lamp:  
 Lamp Lumens(lm): 4369  
 Luminous Length(m): 0.0  
 Luminous Width(m): 0.0  
 Luminous Height(m): 0.0

Voltage: 219.3 V  
 Current: 0.228 A  
 Power: 46.96 W  
 Power Factor: 0.939  
 Test Lab: HuiPu-lab  
 Photometric Type: Type C  
 Manufactory:

## Photometric Results

CIE Class: Direct  
 Luminaire Lumens: 4369.00 lm  
 Efficiency: 93.0366 lm/W  
 Central Intensity: 1344.148cd  
 Max. Intensity: 1347.568cd  
 Field Angle(10%Imax): NA

Max.Intensity Angle: C:0.0 G:1.0  
 Beam Angle(50%Imax): 118.89, 115  
 Luminaire Efficacy Rating(LER) : 100.00%  
 Upward Ratio: NA  
 Downward Ratio: NA  
 Beamwidth(50%Imax): H=118.89V=115



## 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	1344.1	1347.6	1346.6	1345.7	1344.4	1342.4	1339.9	1337.7	1334.7	1331.4
C30.0	1344.1	1340.4	1339.8	1338.4	1336.3	1334.2	1332.5	1330.1	1326.6	1322.8
C60.0	1344.1	1344.7	1343.5	1342.0	1340.6	1338.1	1335.6	1332.3	1329.3	1325.1
C90.0	1344.1	1342.3	1341.7	1340.4	1338.1	1335.6	1333.1	1330.2	1326.2	1321.5
C120.0	1344.1	1343.9	1342.6	1340.9	1339.8	1337.7	1335.1	1331.6	1327.9	1323.9
C150.0	1344.1	1342.9	1342.6	1341.2	1339.4	1337.0	1335.1	1332.7	1329.6	1325.6
C180.0	1344.1	1347.6	1346.6	1345.7	1344.4	1342.4	1339.9	1337.7	1334.7	1331.4
C210.0	1344.1	1340.4	1339.8	1338.4	1336.3	1334.2	1332.5	1330.1	1326.6	1322.8
C240.0	1344.1	1344.7	1343.5	1342.0	1340.6	1338.1	1335.6	1332.3	1329.3	1325.1
C270.0	1344.1	1342.3	1341.7	1340.4	1338.1	1335.6	1333.1	1330.2	1326.2	1321.5
C300.0	1344.1	1343.9	1342.6	1340.9	1339.8	1337.7	1335.1	1331.6	1327.9	1323.9
C330.0	1344.1	1342.9	1342.6	1341.2	1339.4	1337.0	1335.1	1332.7	1329.6	1325.6
C360.0	1344.1	1347.6	1346.6	1345.7	1344.4	1342.4	1339.9	1337.7	1334.7	1331.4
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	1327.6	1323.6	1319.0	1314.1	1308.5	1302.1	1295.8	1289.2	1281.3	1273.4
C30.0	1319.1	1314.5	1309.4	1303.7	1297.9	1291.7	1284.9	1278.2	1270.9	1262.9
C60.0	1320.2	1315.1	1309.6	1303.3	1296.4	1289.4	1282.0	1274.7	1266.7	1257.8
C90.0	1317.1	1311.7	1305.6	1299.3	1292.5	1285.7	1277.6	1269.2	1261.1	1252.1
C120.0	1320.1	1315.2	1308.9	1303.0	1296.7	1290.4	1282.2	1274.4	1266.3	1258.0
C150.0	1321.9	1317.8	1313.3	1307.5	1301.3	1295.5	1288.8	1281.6	1274.0	1265.6
C180.0	1327.6	1323.6	1319.0	1314.1	1308.5	1302.1	1295.8	1289.2	1281.3	1273.4
C210.0	1319.1	1314.5	1309.4	1303.7	1297.9	1291.7	1284.9	1278.2	1270.9	1262.9
C240.0	1320.2	1315.1	1309.6	1303.3	1296.4	1289.4	1282.0	1274.7	1266.7	1257.8
C270.0	1317.1	1311.7	1305.6	1299.3	1292.5	1285.7	1277.6	1269.2	1261.1	1252.1
C300.0	1320.1	1315.2	1308.9	1303.0	1296.7	1290.4	1282.2	1274.4	1266.3	1258.0
C330.0	1321.9	1317.8	1313.3	1307.5	1301.3	1295.5	1288.8	1281.6	1274.0	1265.6
C360.0	1327.6	1323.6	1319.0	1314.1	1308.5	1302.1	1295.8	1289.2	1281.3	1273.4
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	1265.9	1257.1	1247.9	1239.8	1230.0	1220.4	1209.7	1198.7	1187.9	1176.5
C30.0	1254.8	1245.1	1236.0	1226.4	1216.6	1205.8	1194.8	1184.2	1172.6	1160.8
C60.0	1248.9	1239.1	1229.0	1218.4	1207.5	1196.3	1184.6	1172.7	1160.5	1148.4
C90.0	1242.5	1231.7	1222.1	1211.1	1200.0	1187.8	1175.5	1163.8	1150.7	1137.6
C120.0	1249.1	1239.1	1229.1	1219.2	1208.9	1197.5	1185.4	1173.6	1161.7	1149.5
C150.0	1257.5	1249.3	1239.9	1230.7	1220.8	1210.3	1199.5	1188.2	1176.6	1165.0
C180.0	1265.9	1257.1	1247.9	1239.8	1230.0	1220.4	1209.7	1198.7	1187.9	1176.5
C210.0	1254.8	1245.1	1236.0	1226.4	1216.6	1205.8	1194.8	1184.2	1172.6	1160.8
C240.0	1248.9	1239.1	1229.0	1218.4	1207.5	1196.3	1184.6	1172.7	1160.5	1148.4
C270.0	1242.5	1231.7	1222.1	1211.1	1200.0	1187.8	1175.5	1163.8	1150.7	1137.6
C300.0	1249.1	1239.1	1229.1	1219.2	1208.9	1197.5	1185.4	1173.6	1161.7	1149.5
C330.0	1257.5	1249.3	1239.9	1230.7	1220.8	1210.3	1199.5	1188.2	1176.6	1165.0
C360.0	1265.9	1257.1	1247.9	1239.8	1230.0	1220.4	1209.7	1198.7	1187.9	1176.5

## 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	1164.3	1151.3	1138.7	1125.3	1111.7	1098.0	1083.3	1068.7	1054.2	1038.8
C30.0	1146.9	1134.6	1122.0	1107.8	1093.5	1079.5	1065.3	1051.1	1035.5	1018.9
C60.0	1133.8	1120.2	1106.1	1091.7	1076.4	1060.9	1044.7	1030.1	1014.4	996.6
C90.0	1123.2	1109.3	1095.6	1080.3	1064.8	1048.9	1033.7	1018.4	1001.6	984.6
C120.0	1135.4	1121.6	1108.1	1094.1	1079.1	1063.5	1047.6	1032.4	1016.9	999.2
C150.0	1151.3	1139.2	1126.7	1113.3	1099.4	1084.9	1070.6	1056.0	1041.0	1024.5
C180.0	1164.3	1151.3	1138.7	1125.3	1111.7	1098.0	1083.3	1068.7	1054.2	1038.8
C210.0	1146.9	1134.6	1122.0	1107.8	1093.5	1079.5	1065.3	1051.1	1035.5	1018.9
C240.0	1133.8	1120.2	1106.1	1091.7	1076.4	1060.9	1044.7	1030.1	1014.4	996.6
C270.0	1123.2	1109.3	1095.6	1080.3	1064.8	1048.9	1033.7	1018.4	1001.6	984.6
C300.0	1135.4	1121.6	1108.1	1094.1	1079.1	1063.5	1047.6	1032.4	1016.9	999.2
C330.0	1151.3	1139.2	1126.7	1113.3	1099.4	1084.9	1070.6	1056.0	1041.0	1024.5
C360.0	1164.3	1151.3	1138.7	1125.3	1111.7	1098.0	1083.3	1068.7	1054.2	1038.8
C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	1023.5	1007.3	990.8	974.5	957.7	941.1	924.1	906.7	889.9	873.4
C30.0	1003.6	987.6	971.6	953.7	936.6	919.8	902.5	884.7	865.8	848.4
C60.0	980.0	962.8	946.3	928.5	908.8	891.3	872.9	855.2	835.0	816.6
C90.0	966.9	950.4	933.5	914.5	895.9	877.5	859.4	840.9	820.1	801.0
C120.0	983.0	965.5	949.1	930.8	912.7	895.1	876.5	858.6	838.4	819.8
C150.0	1008.1	992.2	976.3	960.1	941.8	925.0	907.4	890.1	871.3	853.8
C180.0	1023.5	1007.3	990.8	974.5	957.7	941.1	924.1	906.7	889.9	873.4
C210.0	1003.6	987.6	971.6	953.7	936.6	919.8	902.5	884.7	865.8	848.4
C240.0	980.0	962.8	946.3	928.5	908.8	891.3	872.9	855.2	835.0	816.6
C270.0	966.9	950.4	933.5	914.5	895.9	877.5	859.4	840.9	820.1	801.0
C300.0	983.0	965.5	949.1	930.8	912.7	895.1	876.5	858.6	838.4	819.8
C330.0	1008.1	992.2	976.3	960.1	941.8	925.0	907.4	890.1	871.3	853.8
C360.0	1023.5	1007.3	990.8	974.5	957.7	941.1	924.1	906.7	889.9	873.4
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	855.8	837.7	820.5	803.2	785.4	767.0	749.2	731.7	714.4	696.3
C30.0	830.4	812.1	792.8	774.1	756.2	738.3	719.8	699.6	681.9	664.1
C60.0	797.7	778.6	758.3	737.5	717.5	697.5	677.2	654.7	634.7	614.1
C90.0	781.6	762.3	741.6	720.7	700.1	680.2	659.7	636.7	615.7	594.8
C120.0	801.3	782.1	761.9	741.3	722.0	702.2	682.3	659.6	639.5	619.2
C150.0	835.7	817.7	798.5	779.8	761.7	743.6	725.5	706.7	687.9	670.3
C180.0	855.8	837.7	820.5	803.2	785.4	767.0	749.2	731.7	714.4	696.3
C210.0	830.4	812.1	792.8	774.1	756.2	738.3	719.8	699.6	681.9	664.1
C240.0	797.7	778.6	758.3	737.5	717.5	697.5	677.2	654.7	634.7	614.1
C270.0	781.6	762.3	741.6	720.7	700.1	680.2	659.7	636.7	615.7	594.8
C300.0	801.3	782.1	761.9	741.3	722.0	702.2	682.3	659.6	639.5	619.2
C330.0	835.7	817.7	798.5	779.8	761.7	743.6	725.5	706.7	687.9	670.3
C360.0	855.8	837.7	820.5	803.2	785.4	767.0	749.2	731.7	714.4	696.3

### 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	677.8	661.0	643.8	625.8	608.9	591.2	574.6	557.7	540.5	523.1
C30.0	645.8	628.0	608.2	590.9	573.0	555.2	536.4	519.0	502.0	484.7
C60.0	593.0	571.9	549.8	529.3	508.2	487.8	465.7	445.3	425.5	405.3
C90.0	573.6	551.7	529.2	507.6	485.9	464.1	440.5	418.2	396.5	374.4
C120.0	598.9	577.6	556.3	536.1	514.8	496.1	474.5	454.9	435.5	416.0
C150.0	652.2	633.9	615.3	597.5	579.7	562.4	544.5	526.4	509.4	492.7
C180.0	677.8	661.0	643.8	625.8	608.9	591.2	574.6	557.7	540.5	523.1
C210.0	645.8	628.0	608.2	590.9	573.0	555.2	536.4	519.0	502.0	484.7
C240.0	593.0	571.9	549.8	529.3	508.2	487.8	465.7	445.3	425.5	405.3
C270.0	573.6	551.7	529.2	507.6	485.9	464.1	440.5	418.2	396.5	374.4
C300.0	598.9	577.6	556.3	536.1	514.8	496.1	474.5	454.9	435.5	416.0
C330.0	652.2	633.9	615.3	597.5	579.7	562.4	544.5	526.4	509.4	492.7
C360.0	677.8	661.0	643.8	625.8	608.9	591.2	574.6	557.7	540.5	523.1
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	507.0	490.8	474.2	458.0	442.5	427.1	412.2	396.8	380.8	366.5
C30.0	468.0	449.4	432.7	416.9	400.8	383.8	368.3	352.8	337.5	323.1
C60.0	386.0	365.2	346.1	327.7	309.4	289.7	272.5	255.6	238.8	222.2
C90.0	351.9	328.9	307.3	286.0	264.8	242.3	221.5	201.3	181.3	161.1
C120.0	397.4	377.3	359.1	341.3	323.7	304.9	288.0	271.6	255.2	238.9
C150.0	475.4	457.9	441.7	425.8	410.1	392.9	377.6	362.5	347.3	332.1
C180.0	507.0	490.8	474.2	458.0	442.5	427.1	412.2	396.8	380.8	366.5
C210.0	468.0	449.4	432.7	416.9	400.8	383.8	368.3	352.8	337.5	323.1
C240.0	386.0	365.2	346.1	327.7	309.4	289.7	272.5	255.6	238.8	222.2
C270.0	351.9	328.9	307.3	286.0	264.8	242.3	221.5	201.3	181.3	161.1
C300.0	397.4	377.3	359.1	341.3	323.7	304.9	288.0	271.6	255.2	238.9
C330.0	475.4	457.9	441.7	425.8	410.1	392.9	377.6	362.5	347.3	332.1
C360.0	507.0	490.8	474.2	458.0	442.5	427.1	412.2	396.8	380.8	366.5
C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	352.4	338.1	324.0	309.6	296.8	284.4	271.3	259.2	247.7	236.6
C30.0	307.4	293.2	279.5	266.5	252.4	240.1	228.0	216.4	204.3	193.1
C60.0	205.5	190.3	176.1	161.5	147.0	134.1	121.9	111.0	100.7	90.5
C90.0	141.9	124.0	107.1	91.1	74.7	61.3	49.3	38.6	28.9	21.8
C120.0	222.6	207.4	193.5	179.2	165.0	152.0	140.0	129.0	118.0	107.6
C150.0	317.2	303.1	289.5	276.1	262.3	249.9	237.8	226.3	214.3	203.2
C180.0	352.4	338.1	324.0	309.6	296.8	284.4	271.3	259.2	247.7	236.6
C210.0	307.4	293.2	279.5	266.5	252.4	240.1	228.0	216.4	204.3	193.1
C240.0	205.5	190.3	176.1	161.5	147.0	134.1	121.9	111.0	100.7	90.5
C270.0	141.9	124.0	107.1	91.1	74.7	61.3	49.3	38.6	28.9	21.8
C300.0	222.6	207.4	193.5	179.2	165.0	152.0	140.0	129.0	118.0	107.6
C330.0	317.2	303.1	289.5	276.1	262.3	249.9	237.8	226.3	214.3	203.2
C360.0	352.4	338.1	324.0	309.6	296.8	284.4	271.3	259.2	247.7	236.6

## Light intensity data Unit[cd]

C\G	G90.0	G91.0	G92.0	G93.0	G94.0	G95.0	G96.0	G97.0	G98.0	G99.0
C0.0	225.8	214.6	204.8	195.2	185.6	175.9	166.5	157.9	149.4	140.6
C30.0	182.9	173.2	163.8	153.8	145.0	136.4	128.1	119.9	111.9	104.6
C60.0	82.1	74.1	66.9	59.4	53.1	47.5	42.2	37.1	32.2	28.1
C90.0	16.0	11.6	8.2	5.8	5.0	4.9	4.9	4.9	5.2	5.2
C120.0	98.7	90.0	82.4	74.3	67.5	61.3	55.4	49.5	42.8	38.4
C150.0	192.9	182.9	173.2	162.7	153.5	144.6	136.4	127.9	119.7	112.1
C180.0	225.8	214.6	204.8	195.2	185.6	175.9	166.5	157.9	149.4	140.6
C210.0	182.9	173.2	163.8	153.8	145.0	136.4	128.1	119.9	111.9	104.6
C240.0	82.1	74.1	66.9	59.4	53.1	47.5	42.2	37.1	32.2	28.1
C270.0	16.0	11.6	8.2	5.8	5.0	4.9	4.9	4.9	5.2	5.2
C300.0	98.7	90.0	82.4	74.3	67.5	61.3	55.4	49.5	42.8	38.4
C330.0	192.9	182.9	173.2	162.7	153.5	144.6	136.4	127.9	119.7	112.1
C360.0	225.8	214.6	204.8	195.2	185.6	175.9	166.5	157.9	149.4	140.6
C\G	G100.0	G101.0	G102.0	G103.0	G104.0	G105.0	G106.0	G107.0	G108.0	G109.0
C0.0	132.5	124.4	117.2	109.7	102.5	95.4	88.7	82.5	76.0	70.0
C30.0	97.4	90.6	83.4	77.2	71.4	65.9	60.1	54.9	49.9	45.8
C60.0	24.7	21.4	18.6	16.3	14.4	12.9	11.5	10.3	9.5	8.8
C90.0	5.4	5.6	5.9	6.0	6.0	6.2	6.4	6.5	6.7	6.9
C120.0	35.2	30.8	27.1	24.0	21.2	18.8	16.8	14.9	13.2	12.1
C150.0	104.6	97.5	90.0	83.6	77.5	71.5	65.6	59.5	53.1	48.6
C180.0	132.5	124.4	117.2	109.7	102.5	95.4	88.7	82.5	76.0	70.0
C210.0	97.4	90.6	83.4	77.2	71.4	65.9	60.1	54.9	49.9	45.8
C240.0	24.7	21.4	18.6	16.3	14.4	12.9	11.5	10.3	9.5	8.8
C270.0	5.4	5.6	5.9	6.0	6.0	6.2	6.4	6.5	6.7	6.9
C300.0	35.2	30.8	27.1	24.0	21.2	18.8	16.8	14.9	13.2	12.1
C330.0	104.6	97.5	90.0	83.6	77.5	71.5	65.6	59.5	53.1	48.6
C360.0	132.5	124.4	117.2	109.7	102.5	95.4	88.7	82.5	76.0	70.0
C\G	G110.0	G111.0	G112.0	G113.0	G114.0	G115.0	G116.0	G117.0	G118.0	G119.0
C0.0	64.6	59.1	54.2	49.5	44.8	40.9	37.2	33.8	30.8	28.3
C30.0	41.5	36.8	33.8	30.5	27.7	24.6	22.0	20.2	18.4	16.9
C60.0	8.5	8.5	8.5	8.4	8.4	8.5	8.5	8.7	8.9	9.3
C90.0	7.0	7.3	7.6	7.7	7.9	8.1	8.3	8.5	8.8	8.9
C120.0	11.4	10.8	10.5	10.1	10.0	9.8	9.8	9.8	9.9	9.8
C150.0	44.1	40.7	37.0	33.4	30.1	27.1	24.4	22.3	20.1	18.3
C180.0	64.6	59.1	54.2	49.5	44.8	40.9	37.2	33.8	30.8	28.3
C210.0	41.5	36.8	33.8	30.5	27.7	24.6	22.0	20.2	18.4	16.9
C240.0	8.5	8.5	8.5	8.4	8.4	8.5	8.5	8.7	8.9	9.3
C270.0	7.0	7.3	7.6	7.7	7.9	8.1	8.3	8.5	8.8	8.9
C300.0	11.4	10.8	10.5	10.1	10.0	9.8	9.8	9.8	9.9	9.8
C330.0	44.1	40.7	37.0	33.4	30.1	27.1	24.4	22.3	20.1	18.3
C360.0	64.6	59.1	54.2	49.5	44.8	40.9	37.2	33.8	30.8	28.3

## Light intensity data Unit[cd]

C\G	G120.0	G121.0	G122.0	G123.0	G124.0	G125.0	G126.0	G127.0	G128.0	G129.0
C0.0	25.9	23.7	21.8	20.1	18.7	17.4	16.3	15.4	14.7	14.1
C30.0	15.6	14.8	14.0	13.2	12.5	12.2	11.9	11.6	11.4	11.5
C60.0	9.4	9.6	9.9	9.9	10.2	10.1	10.4	10.6	10.7	11.1
C90.0	9.0	9.4	9.4	9.6	9.9	10.0	10.3	10.5	10.5	10.7
C120.0	10.0	10.2	10.3	10.5	10.5	10.6	11.0	11.0	11.3	11.4
C150.0	16.7	15.5	14.7	14.1	13.6	13.1	12.8	12.5	12.5	12.4
C180.0	25.9	23.7	21.8	20.1	18.7	17.4	16.3	15.4	14.7	14.1
C210.0	15.6	14.8	14.0	13.2	12.5	12.2	11.9	11.6	11.4	11.5
C240.0	9.4	9.6	9.9	9.9	10.2	10.1	10.4	10.6	10.7	11.1
C270.0	9.0	9.4	9.4	9.6	9.9	10.0	10.3	10.5	10.5	10.7
C300.0	10.0	10.2	10.3	10.5	10.5	10.6	11.0	11.0	11.3	11.4
C330.0	16.7	15.5	14.7	14.1	13.6	13.1	12.8	12.5	12.5	12.4
C360.0	25.9	23.7	21.8	20.1	18.7	17.4	16.3	15.4	14.7	14.1
C\G	G130.0	G131.0	G132.0	G133.0	G134.0	G135.0	G136.0	G137.0	G138.0	G139.0
C0.0	13.8	13.5	13.2	13.2	13.1	13.0	13.1	13.2	13.2	13.4
C30.0	11.4	11.3	11.4	11.5	11.6	11.7	11.8	11.8	11.9	11.9
C60.0	11.2	11.4	11.6	11.7	12.0	12.2	12.4	12.6	12.9	13.1
C90.0	10.8	11.1	11.2	11.5	11.5	11.7	11.8	12.0	12.0	12.4
C120.0	11.7	11.7	12.0	12.2	12.3	12.6	12.6	12.8	13.0	13.1
C150.0	12.4	12.3	12.5	12.5	12.7	12.6	12.9	13.1	13.1	13.3
C180.0	13.8	13.5	13.2	13.2	13.1	13.0	13.1	13.2	13.2	13.4
C210.0	11.4	11.3	11.4	11.5	11.6	11.7	11.8	11.8	11.9	11.9
C240.0	11.2	11.4	11.6	11.7	12.0	12.2	12.4	12.6	12.9	13.1
C270.0	10.8	11.1	11.2	11.5	11.5	11.7	11.8	12.0	12.0	12.4
C300.0	11.7	11.7	12.0	12.2	12.3	12.6	12.6	12.8	13.0	13.1
C330.0	12.4	12.3	12.5	12.5	12.7	12.6	12.9	13.1	13.1	13.3
C360.0	13.8	13.5	13.2	13.2	13.1	13.0	13.1	13.2	13.2	13.4
C\G	G140.0	G141.0	G142.0	G143.0	G144.0	G145.0	G146.0	G147.0	G148.0	G149.0
C0.0	13.5	13.4	13.7	13.6	13.6	13.8	14.1	14.1	14.3	14.3
C30.0	12.0	12.1	12.2	12.3	12.4	12.4	12.6	12.7	12.7	12.8
C60.0	13.2	13.5	13.6	13.7	13.9	13.9	14.2	14.4	14.3	14.4
C90.0	12.5	12.5	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5
C120.0	13.1	13.3	13.5	13.7	13.8	13.9	14.1	14.2	14.3	14.5
C150.0	13.4	13.6	13.7	13.9	14.0	14.1	14.3	14.4	14.5	14.5
C180.0	13.5	13.4	13.7	13.6	13.6	13.8	14.1	14.1	14.3	14.3
C210.0	12.0	12.1	12.2	12.3	12.4	12.4	12.6	12.7	12.7	12.8
C240.0	13.2	13.5	13.6	13.7	13.9	13.9	14.2	14.4	14.3	14.4
C270.0	12.5	12.5	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5
C300.0	13.1	13.3	13.5	13.7	13.8	13.9	14.1	14.2	14.3	14.5
C330.0	13.4	13.6	13.7	13.9	14.0	14.1	14.3	14.4	14.5	14.5
C360.0	13.5	13.4	13.7	13.6	13.6	13.8	14.1	14.1	14.3	14.3

## Light intensity data Unit[cd]

C\G	G150.0	G151.0	G152.0	G153.0	G154.0	G155.0	G156.0	G157.0	G158.0	G159.0
C0.0	14.4	14.5	14.5	14.6	14.8	14.8	15.0	15.1	15.2	15.3
C30.0	13.0	12.9	13.2	13.2	13.2	13.3	13.4	13.4	13.4	13.5
C60.0	14.6	14.7	14.9	14.8	14.9	15.0	15.1	15.1	15.4	15.4
C90.0	13.7	13.7	13.9	14.0	14.0	14.2	14.2	14.3	14.3	14.4
C120.0	14.7	14.7	14.8	14.8	14.9	14.9	14.9	15.1	15.0	15.0
C150.0	14.7	14.9	15.1	14.9	15.1	15.0	15.3	15.4	15.5	15.5
C180.0	14.4	14.5	14.5	14.6	14.8	14.8	15.0	15.1	15.2	15.3
C210.0	13.0	12.9	13.2	13.2	13.2	13.3	13.4	13.4	13.4	13.5
C240.0	14.6	14.7	14.9	14.8	14.9	15.0	15.1	15.1	15.4	15.4
C270.0	13.7	13.7	13.9	14.0	14.0	14.2	14.2	14.3	14.3	14.4
C300.0	14.7	14.7	14.8	14.8	14.9	14.9	14.9	15.1	15.0	15.0
C330.0	14.7	14.9	15.1	14.9	15.1	15.0	15.3	15.4	15.5	15.5
C360.0	14.4	14.5	14.5	14.6	14.8	14.8	15.0	15.1	15.2	15.3
C\G	G160.0	G161.0	G162.0	G163.0	G164.0	G165.0	G166.0	G167.0	G168.0	G169.0
C0.0	15.5	15.4	15.8	15.9	16.1	16.3	16.3	16.3	16.4	16.4
C30.0	13.4	13.5	13.6	13.6	13.7	13.6	13.7	13.8	13.9	13.9
C60.0	15.4	15.3	15.3	15.4	15.5	15.6	15.7	15.8	15.7	15.8
C90.0	14.5	14.4	14.5	14.6	14.7	14.9	14.9	15.1	15.2	15.3
C120.0	15.1	14.9	14.9	15.0	15.0	14.9	15.1	15.1	15.1	15.2
C150.0	15.5	15.6	15.6	15.4	15.6	15.5	15.6	15.7	15.6	15.6
C180.0	15.5	15.4	15.8	15.9	16.1	16.3	16.3	16.3	16.4	16.4
C210.0	13.4	13.5	13.6	13.6	13.7	13.6	13.7	13.8	13.9	13.9
C240.0	15.4	15.3	15.3	15.4	15.5	15.6	15.7	15.8	15.7	15.8
C270.0	14.5	14.4	14.5	14.6	14.7	14.9	14.9	15.1	15.2	15.3
C300.0	15.1	14.9	14.9	15.0	15.0	14.9	15.1	15.1	15.1	15.2
C330.0	15.5	15.6	15.6	15.4	15.6	15.5	15.6	15.7	15.6	15.6
C360.0	15.5	15.4	15.8	15.9	16.1	16.3	16.3	16.3	16.4	16.4
C\G	G170.0	G171.0	G172.0	G173.0	G174.0	G175.0	G176.0	G177.0	G178.0	G179.0
C0.0	16.6	16.5	16.6	16.7	16.5	16.5	16.5	16.5	16.5	16.6
C30.0	14.1	14.3	14.3	14.4	14.7	14.7	14.7	14.8	14.8	14.9
C60.0	15.8	15.9	16.0	15.9	16.1	16.0	16.2	16.2	16.2	16.2
C90.0	15.3	15.5	15.5	15.5	15.6	15.6	15.7	15.7	15.8	15.9
C120.0	15.3	15.5	15.5	15.5	15.5	15.5	15.5	15.7	15.9	16.0
C150.0	15.7	15.7	15.7	15.7	15.8	15.8	15.8	15.9	15.9	16.0
C180.0	16.6	16.5	16.6	16.7	16.5	16.5	16.5	16.5	16.5	16.6
C210.0	14.1	14.3	14.3	14.4	14.7	14.7	14.7	14.8	14.8	14.9
C240.0	15.8	15.9	16.0	15.9	16.1	16.0	16.2	16.2	16.2	16.2
C270.0	15.3	15.5	15.5	15.5	15.6	15.6	15.7	15.7	15.8	15.9
C300.0	15.3	15.5	15.5	15.5	15.5	15.5	15.5	15.7	15.9	16.0
C330.0	15.7	15.7	15.7	15.7	15.8	15.8	15.8	15.9	15.9	16.0
C360.0	16.6	16.5	16.6	16.7	16.5	16.5	16.5	16.5	16.5	16.6

### Light intensity data Unit[cd]

C\G	G180.0									
C0.0	16.7									
C30.0	15.0									
C60.0	16.2									
C90.0	16.1									
C120.0	15.8									
C150.0	16.1									
C180.0	16.7									
C210.0	15.0									
C240.0	16.2									
C270.0	16.1									
C300.0	15.8									
C330.0	16.1									
C360.0	16.7									



## Zonal Luminous Flux Data

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	1344.15	0.00	0.00	0.00	0.00
0.0-1.0	1343.64	1.29	1.29	0.03	0.03
1.0-2.0	1342.81	3.86	5.14	0.09	0.12
2.0-3.0	1341.43	6.42	11.56	0.15	0.26
3.0-4.0	1339.76	8.97	20.54	0.21	0.47
4.0-5.0	1337.49	11.52	32.05	0.26	0.73
5.0-6.0	1335.22	14.05	46.10	0.32	1.06
6.0-7.0	1332.45	16.56	62.66	0.38	1.43
7.0-8.0	1329.04	19.05	81.71	0.44	1.87
8.0-9.0	1325.05	21.51	103.22	0.49	2.36
9.0-10.0	1321.00	23.95	127.16	0.55	2.91
10.0-11.0	1316.33	26.35	153.51	0.60	3.51
11.0-12.0	1310.95	28.72	182.23	0.66	4.17
12.0-13.0	1305.16	31.05	213.28	0.71	4.88
13.0-14.0	1298.88	33.33	246.61	0.76	5.64
14.0-15.0	1292.49	35.58	282.19	0.81	6.46
15.0-16.0	1285.23	37.77	319.96	0.86	7.32
16.0-17.0	1277.87	39.91	359.87	0.91	8.24
17.0-18.0	1270.07	42.01	401.88	0.96	9.20
18.0-19.0	1261.64	44.05	445.93	1.01	10.21
19.0-20.0	1253.13	46.03	491.96	1.05	11.26
20.0-21.0	1243.57	47.94	539.90	1.10	12.36
21.0-22.0	1234.01	49.79	589.69	1.14	13.50
22.0-23.0	1224.26	51.58	641.27	1.18	14.68
23.0-24.0	1213.96	53.31	694.58	1.22	15.90
24.0-25.0	1203.01	54.96	749.53	1.26	17.16
25.0-26.0	1191.57	56.52	806.06	1.29	18.45
26.0-27.0	1180.19	58.03	864.08	1.33	19.78
27.0-28.0	1168.32	59.46	923.54	1.36	21.14
28.0-29.0	1156.28	60.82	984.36	1.39	22.53
29.0-30.0	1142.47	62.07	1046.43	1.42	23.95
30.0-31.0	1129.36	63.22	1109.65	1.45	25.40
31.0-32.0	1116.21	64.33	1173.98	1.47	26.87
32.0-33.0	1102.08	65.35	1239.33	1.50	28.37
33.0-34.0	1087.48	66.26	1305.60	1.52	29.88
34.0-35.0	1072.61	67.08	1372.68	1.54	31.42
35.0-36.0	1057.54	67.82	1440.50	1.55	32.97
36.0-37.0	1042.79	68.50	1509.01	1.57	34.54
37.0-38.0	1027.27	69.10	1578.10	1.58	36.12
38.0-39.0	1010.43	69.55	1647.65	1.59	37.71
39.0-40.0	994.17	69.91	1717.57	1.60	39.31

## Zonal Luminous Flux Data

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	977.63	70.21	1787.78	1.61	40.92
41.0-42.0	961.27	70.44	1858.22	1.61	42.53
42.0-43.0	943.69	70.57	1928.79	1.62	44.15
43.0-44.0	925.59	70.55	1999.34	1.61	45.76
44.0-45.0	908.31	70.48	2069.82	1.61	47.38
45.0-46.0	890.45	70.35	2140.16	1.61	48.99
46.0-47.0	872.72	70.13	2210.29	1.61	50.59
47.0-48.0	853.41	69.78	2280.07	1.60	52.19
48.0-49.0	835.52	69.36	2349.43	1.59	53.77
49.0-50.0	817.10	68.90	2418.33	1.58	55.35
50.0-51.0	798.41	68.35	2486.68	1.56	56.92
51.0-52.0	778.95	67.69	2554.37	1.55	58.47
52.0-53.0	759.44	66.92	2621.29	1.53	60.00
53.0-54.0	740.47	66.11	2687.39	1.51	61.51
54.0-55.0	721.47	65.26	2752.65	1.49	63.00
55.0-56.0	702.30	64.34	2816.99	1.47	64.48
56.0-57.0	681.48	63.27	2880.26	1.45	65.92
57.0-58.0	662.36	62.14	2942.40	1.42	67.35
58.0-59.0	643.15	61.03	3003.44	1.40	68.74
59.0-60.0	623.57	59.84	3063.28	1.37	70.11
60.0-61.0	604.02	58.58	3121.86	1.34	71.45
61.0-62.0	583.76	57.23	3179.10	1.31	72.76
62.0-63.0	564.54	55.85	3234.94	1.28	74.04
63.0-64.0	545.08	54.45	3289.39	1.25	75.29
64.0-65.0	526.15	53.01	3342.41	1.21	76.50
65.0-66.0	506.04	51.50	3393.91	1.18	77.68
66.0-67.0	486.92	49.93	3443.83	1.14	78.82
67.0-68.0	468.22	48.38	3492.22	1.11	79.93
68.0-69.0	449.35	46.81	3539.03	1.07	81.00
69.0-70.0	430.96	45.21	3584.24	1.03	82.04
70.0-71.0	411.60	43.55	3627.79	1.00	83.03
71.0-72.0	393.51	41.86	3669.65	0.96	83.99
72.0-73.0	375.96	40.24	3709.89	0.92	84.91
73.0-74.0	358.55	38.61	3748.50	0.88	85.80
74.0-75.0	340.11	36.91	3785.42	0.84	86.64
75.0-76.0	323.35	35.22	3820.64	0.81	87.45
76.0-77.0	306.76	33.59	3854.23	0.77	88.22
77.0-78.0	290.15	31.95	3886.18	0.73	88.95
78.0-79.0	273.98	30.31	3916.50	0.69	89.64
79.0-80.0	257.84	28.67	3945.17	0.66	90.30
80.0-81.0	242.69	27.07	3972.24	0.62	90.92

### Zonal Luminous Flux Data

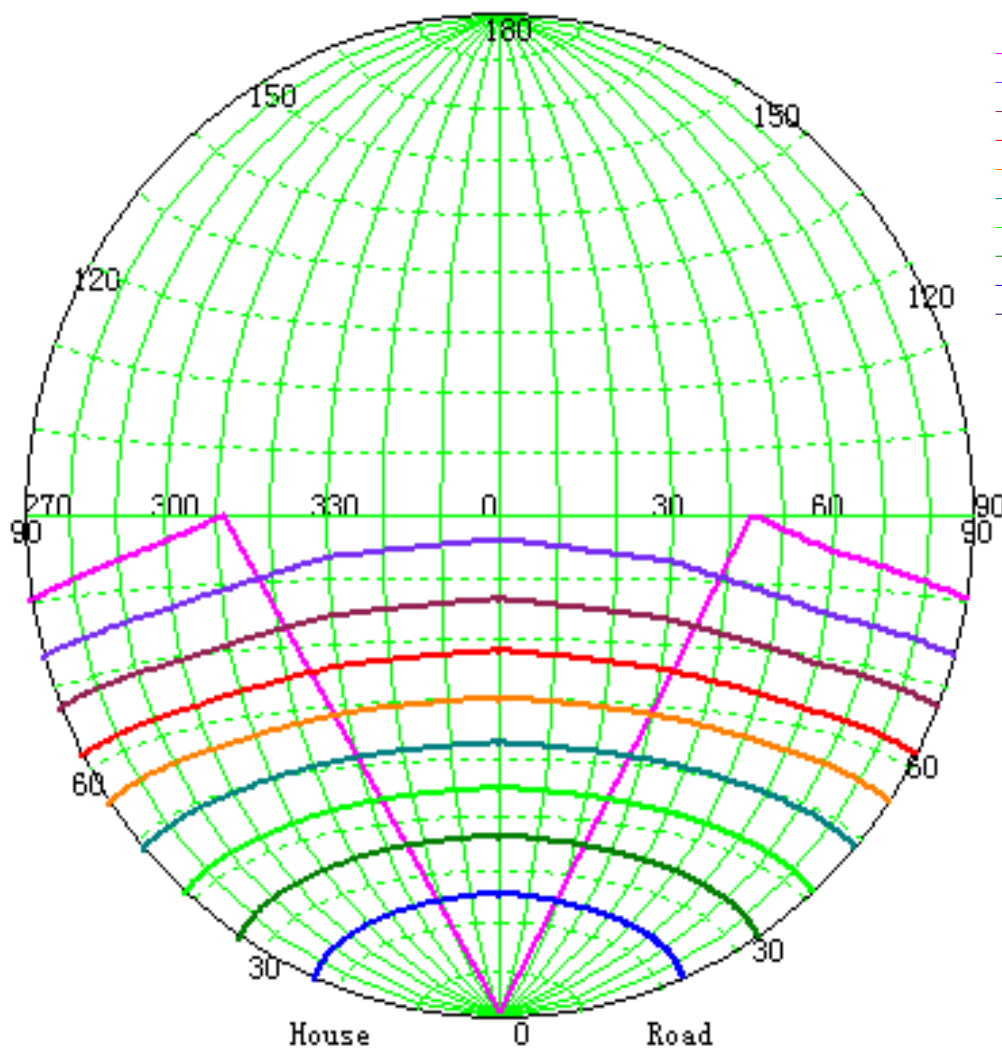
Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
81.0-82.0	228.31	25.54	3997.78	0.58	91.50
82.0-83.0	214.00	24.04	4021.82	0.55	92.05
83.0-84.0	199.71	22.54	4044.36	0.52	92.57
84.0-85.0	186.96	21.10	4065.46	0.48	93.05
85.0-86.0	174.70	19.77	4085.23	0.45	93.50
86.0-87.0	163.44	18.51	4103.74	0.42	93.93
87.0-88.0	152.34	17.30	4121.03	0.40	94.32
88.0-89.0	142.15	16.14	4137.17	0.37	94.69
89.0-90.0	133.07	15.09	4152.27	0.35	95.04
90.0-91.0	124.39	14.12	4166.38	0.32	95.36
91.0-92.0	116.55	13.21	4179.59	0.30	95.66
92.0-93.0	108.52	12.33	4191.92	0.28	95.95
93.0-94.0	101.61	11.50	4203.42	0.26	96.21
94.0-95.0	95.08	10.75	4214.17	0.25	96.46
95.0-96.0	88.92	10.04	4224.21	0.23	96.69
96.0-97.0	82.86	9.36	4233.57	0.21	96.90
97.0-98.0	76.86	8.68	4242.25	0.20	97.10
98.0-99.0	71.49	8.05	4250.30	0.18	97.28
99.0-100.0	66.64	7.47	4257.77	0.17	97.45
100.0-101.0	61.72	6.92	4264.69	0.16	97.61
101.0-102.0	57.01	6.38	4271.07	0.15	97.76
102.0-103.0	52.81	5.88	4276.95	0.13	97.89
103.0-104.0	48.83	5.42	4282.37	0.12	98.02
104.0-105.0	45.10	4.99	4287.35	0.11	98.13
105.0-106.0	41.54	4.58	4291.93	0.10	98.24
106.0-107.0	38.11	4.19	4296.12	0.10	98.33
107.0-108.0	34.74	3.81	4299.93	0.09	98.42
108.0-109.0	32.04	3.47	4303.40	0.08	98.50
109.0-110.0	29.53	3.18	4306.58	0.07	98.57
110.0-111.0	27.20	2.91	4309.50	0.07	98.64
111.0-112.0	25.28	2.68	4312.17	0.06	98.70
112.0-113.0	23.27	2.46	4314.63	0.06	98.76
113.0-114.0	21.50	2.25	4316.88	0.05	98.81
114.0-115.0	19.83	2.06	4318.95	0.05	98.85
115.0-116.0	18.37	1.89	4320.84	0.04	98.90
116.0-117.0	17.22	1.75	4322.58	0.04	98.94
117.0-118.0	16.14	1.62	4324.21	0.04	98.97
118.0-119.0	15.24	1.51	4325.72	0.03	99.01
119.0-120.0	14.43	1.42	4327.13	0.03	99.04
120.0-121.0	13.86	1.34	4328.47	0.03	99.07
121.0-122.0	13.35	1.27	4329.74	0.03	99.10

### Zonal Luminous Flux Data

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
122.0-123.0	12.90	1.21	4330.96	0.03	99.13
123.0-124.0	12.56	1.16	4332.12	0.03	99.16
124.0-125.0	12.24	1.12	4333.24	0.03	99.18
125.0-126.0	12.11	1.09	4334.33	0.02	99.21
126.0-127.0	11.94	1.06	4335.39	0.02	99.23
127.0-128.0	11.85	1.03	4336.42	0.02	99.25
128.0-129.0	11.86	1.02	4337.44	0.02	99.28
129.0-130.0	11.86	1.00	4338.44	0.02	99.30
130.0-131.0	11.89	0.99	4339.43	0.02	99.32
131.0-132.0	11.99	0.98	4340.41	0.02	99.35
132.0-133.0	12.10	0.97	4341.39	0.02	99.37
133.0-134.0	12.20	0.97	4342.36	0.02	99.39
134.0-135.0	12.30	0.96	4343.31	0.02	99.41
135.0-136.0	12.42	0.95	4344.27	0.02	99.43
136.0-137.0	12.61	0.94	4345.21	0.02	99.46
137.0-138.0	12.68	0.94	4346.15	0.02	99.48
138.0-139.0	12.83	0.93	4347.07	0.02	99.50
139.0-140.0	12.95	0.92	4347.99	0.02	99.52
140.0-141.0	13.07	0.91	4348.90	0.02	99.54
141.0-142.0	13.25	0.90	4349.80	0.02	99.56
142.0-143.0	13.34	0.89	4350.68	0.02	99.58
143.0-144.0	13.45	0.87	4351.56	0.02	99.60
144.0-145.0	13.56	0.86	4352.42	0.02	99.62
145.0-146.0	13.74	0.85	4353.27	0.02	99.64
146.0-147.0	13.85	0.84	4354.10	0.02	99.66
147.0-148.0	13.92	0.82	4354.92	0.02	99.68
148.0-149.0	14.01	0.80	4355.72	0.02	99.70
149.0-150.0	14.17	0.78	4356.50	0.02	99.71
150.0-151.0	14.24	0.77	4357.27	0.02	99.73
151.0-152.0	14.38	0.75	4358.02	0.02	99.75
152.0-153.0	14.40	0.73	4358.75	0.02	99.77
153.0-154.0	14.49	0.71	4359.45	0.02	99.78
154.0-155.0	14.55	0.69	4360.14	0.02	99.80
155.0-156.0	14.65	0.66	4360.80	0.02	99.81
156.0-157.0	14.72	0.64	4361.45	0.01	99.83
157.0-158.0	14.80	0.62	4362.07	0.01	99.84
158.0-159.0	14.82	0.60	4362.66	0.01	99.85
159.0-160.0	14.90	0.57	4363.23	0.01	99.87
160.0-161.0	14.87	0.54	4363.78	0.01	99.88
161.0-162.0	14.94	0.52	4364.29	0.01	99.89
162.0-163.0	15.00	0.49	4364.79	0.01	99.90

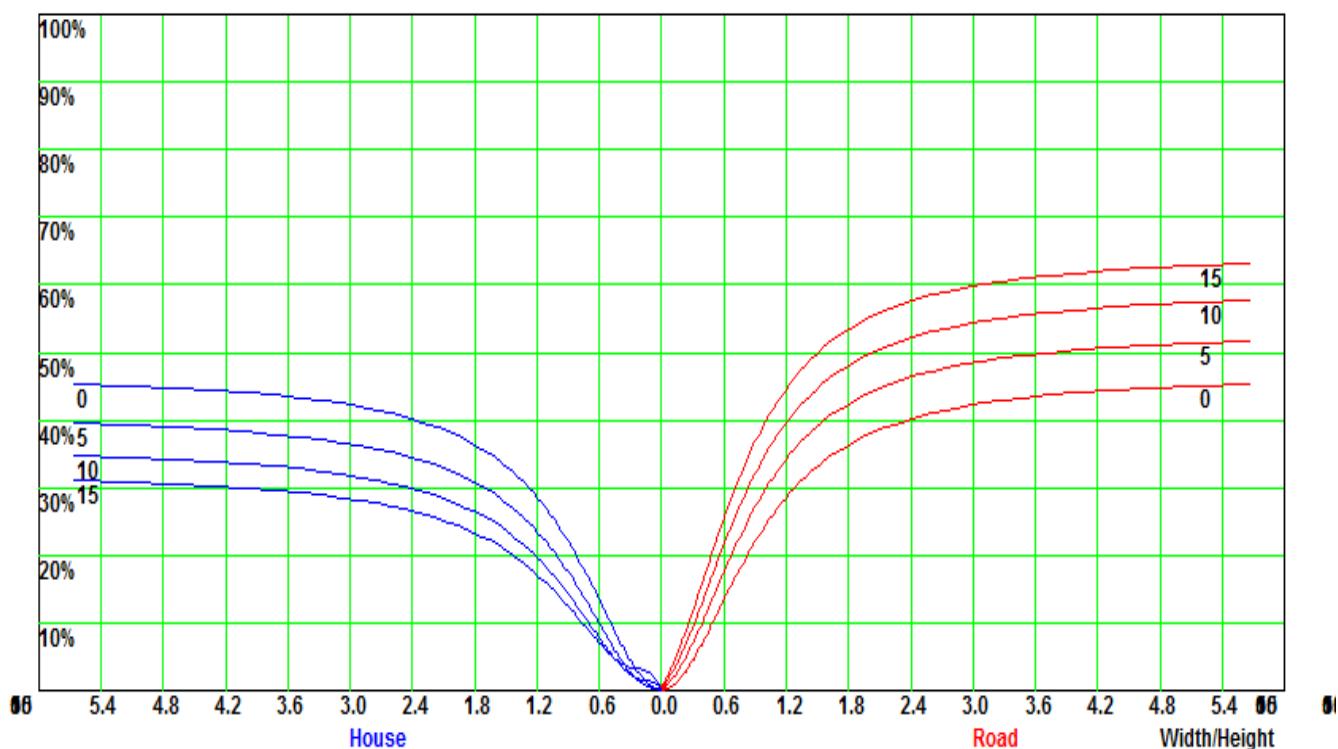


### Iso-Candela [cd]

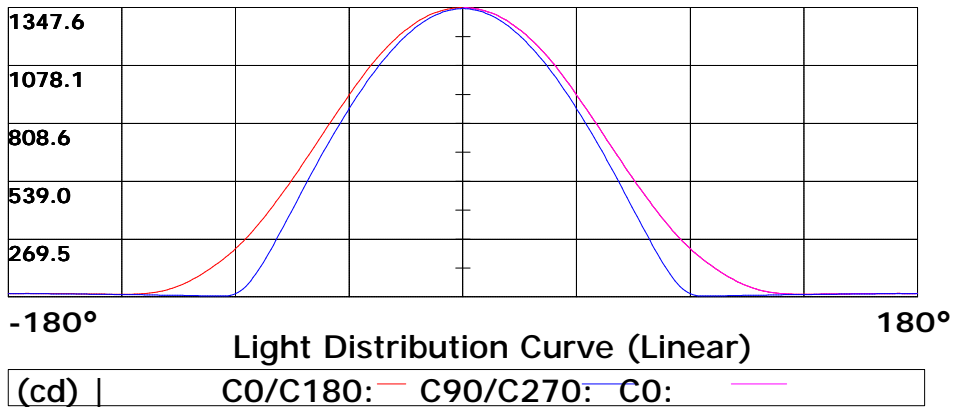
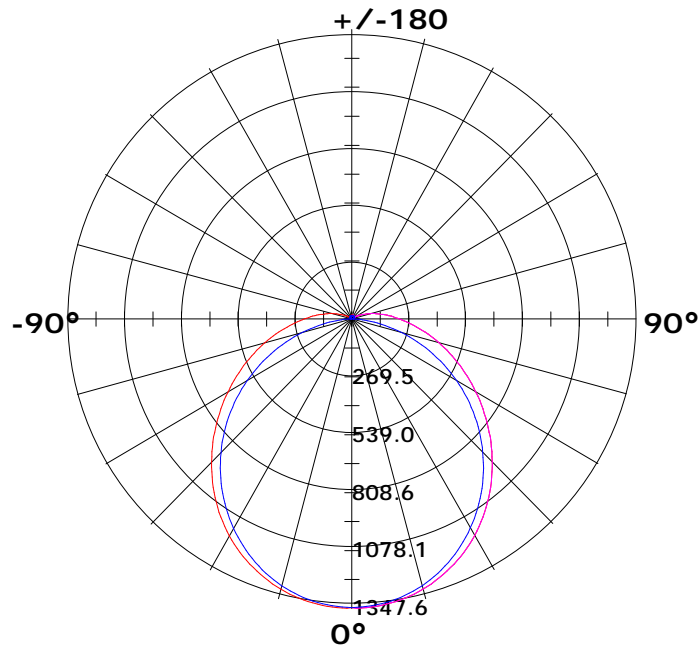


- (10%): 16.24812 cd
- (20%): 16.11356 cd
- (30%): 16.1472 cd
- (40%): 15.94536 cd
- (50%): 16.04628 cd
- (60%): 15.87808 cd
- (70%): 15.87808 cd
- (80%): 15.8108 cd
- (90%): 15.8108 cd
- (100%): 15.57532 cd

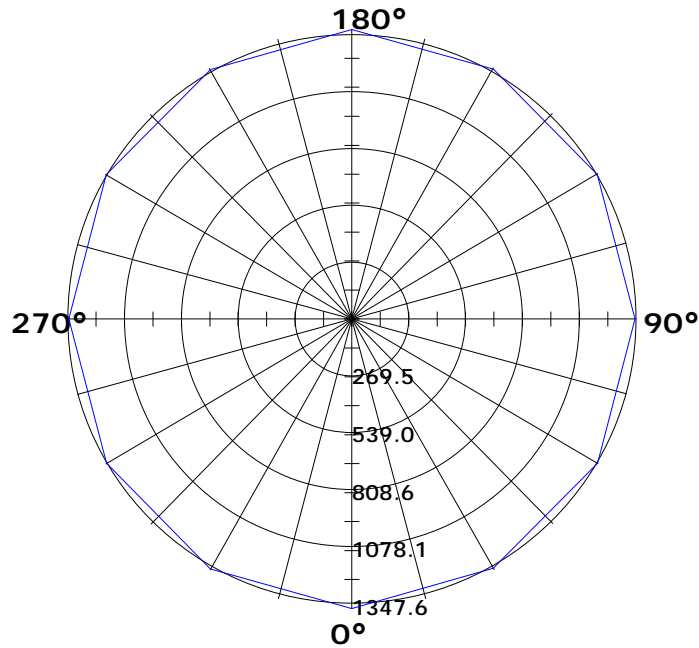
## Coefficient Utilization Curve



Light Distribution Curve [Unit: cd]





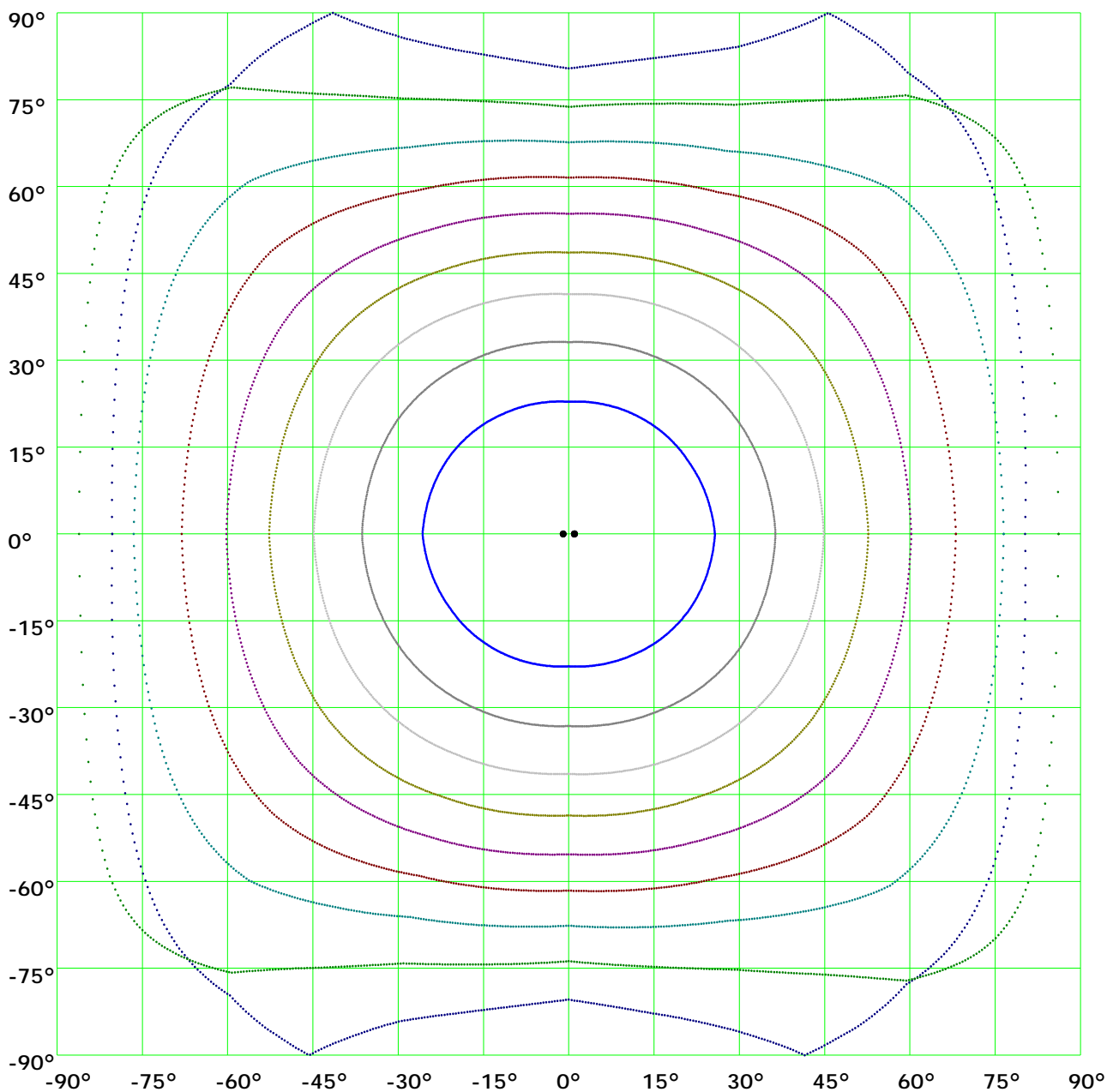


1347.6							
1078.1							
808.6							
539.0							
269.5							

-180° Light Distribution Curve (Linear) 180°

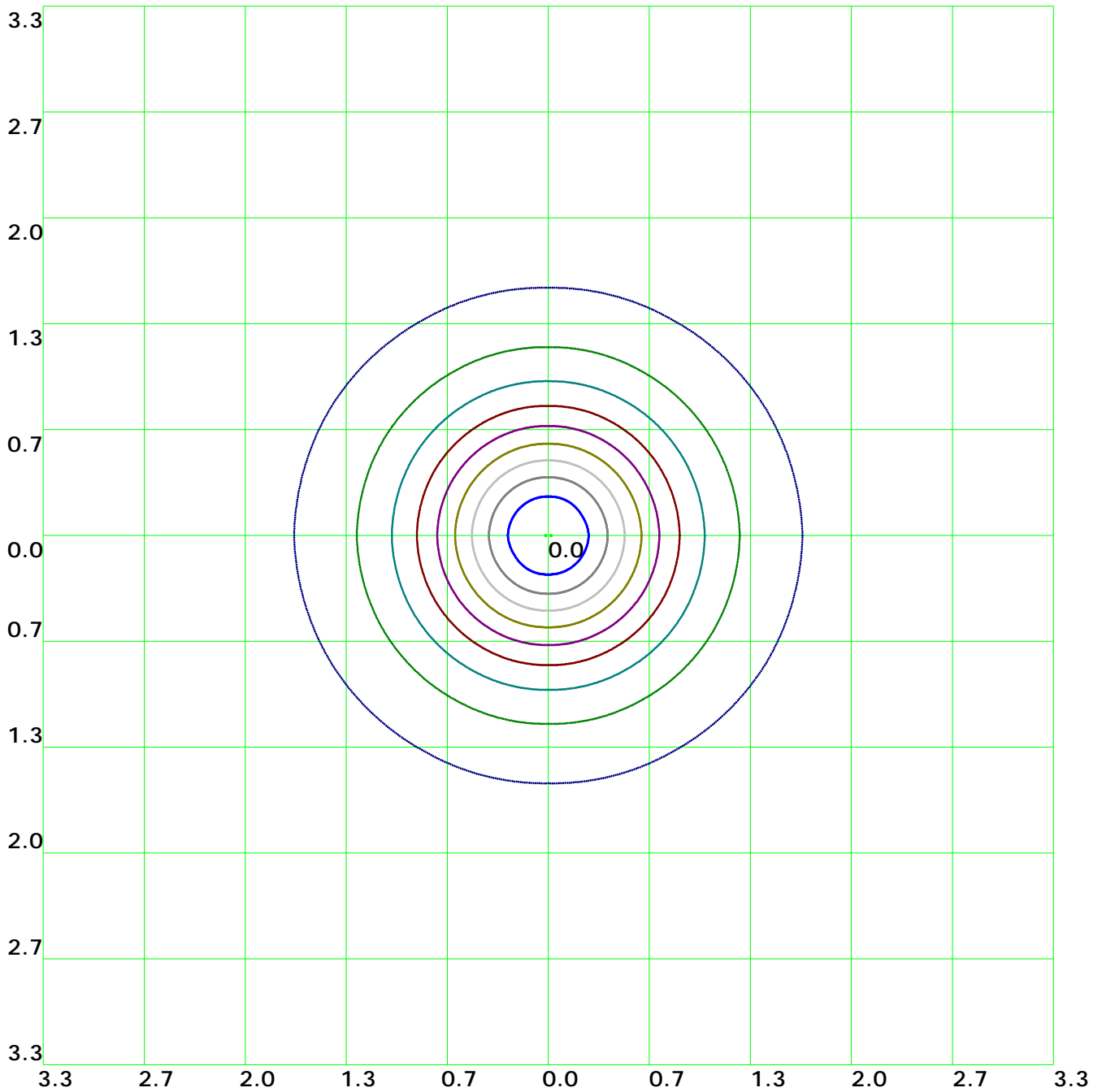
(cd) | γ1: —

### Isocandela(rectangle)



— (10%): 134.8cd	— (20%): 269.5cd	— (30%): 404.3cd	— (40%): 539.cd
— (50%): 673.8cd	— (60%): 808.5cd	— (70%): 943.3cd	— (80%): 1078.1cd
— (90%): 1212.8cd	— (100%): 1347.6cd		

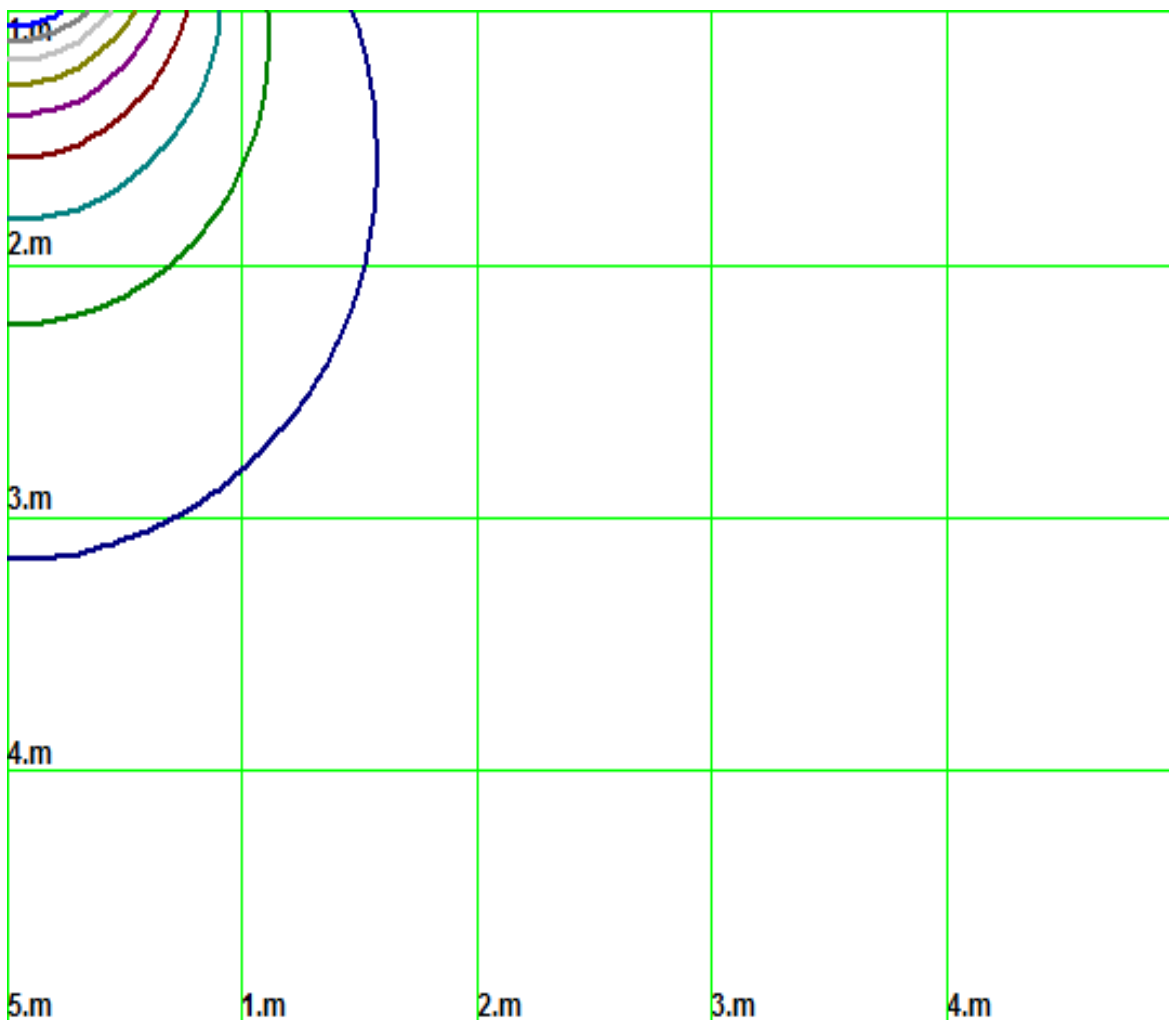
### Isolx curve



Height: 1 m

- |                   |                    |                  |                   |
|-------------------|--------------------|------------------|-------------------|
| — (10%): 134.8lx  | — (20%): 269.5lx   | — (30%): 404.3lx | — (40%): 539.1lx  |
| — (50%): 673.8lx  | — (60%): 808.5lx   | — (70%): 943.3lx | — (80%): 1078.1lx |
| — (90%): 1212.8lx | — (100%): 1346.2lx |                  |                   |

## Space Isolx Curve



### Luminance Limiting Curve

Diameter: 0mm

Length: 0mm

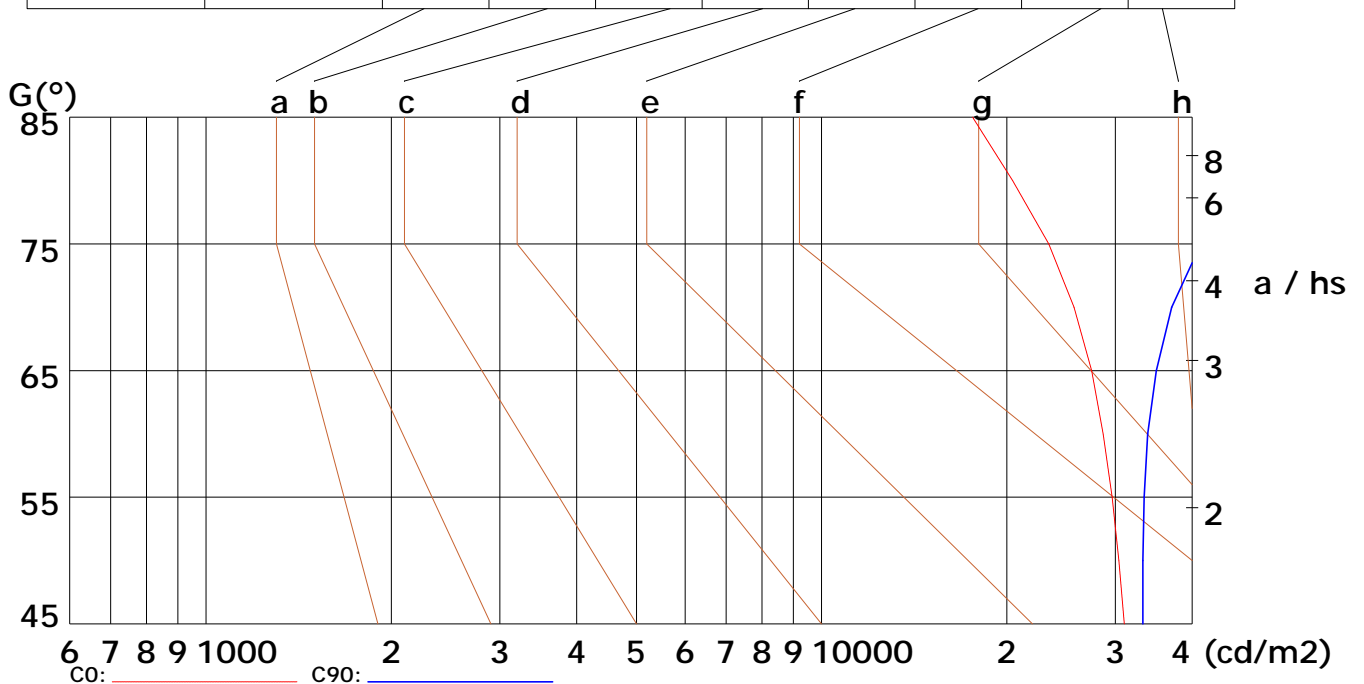
Width: 0mm

Height: 0mm

(cd/m<sup>2</sup>)

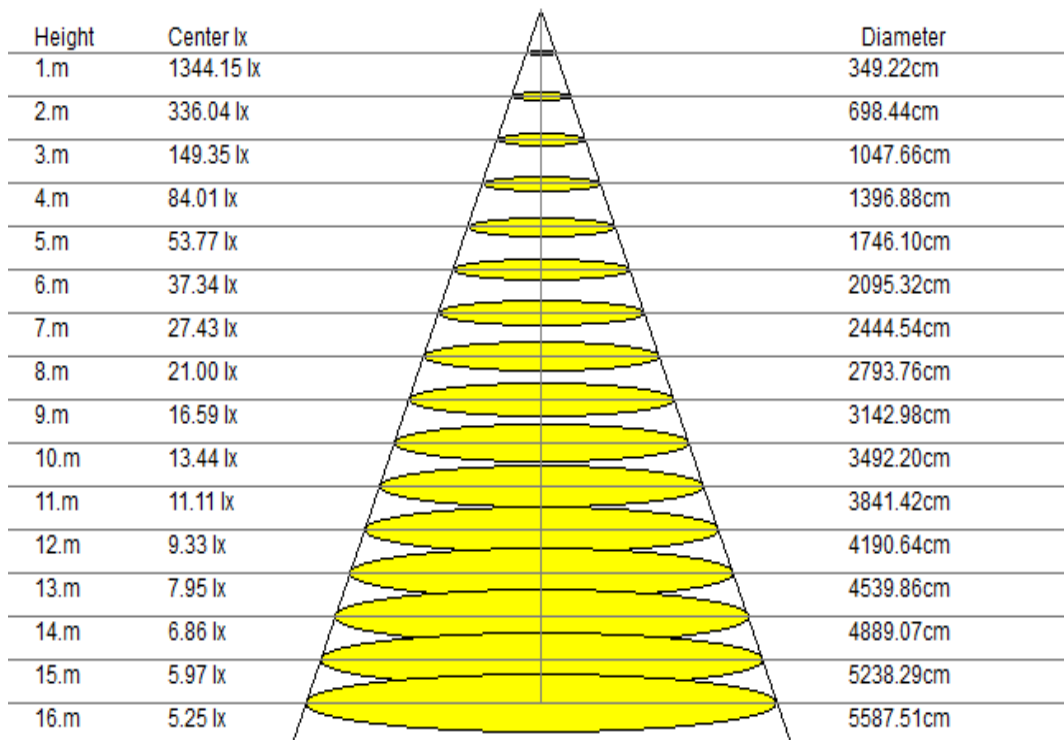
$\gamma$	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	31025	30400	29646	28681	27454	25720	23402	20426	17596
C90	33272	33286	33431	33891	34975	37060	41259	50734	81586

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

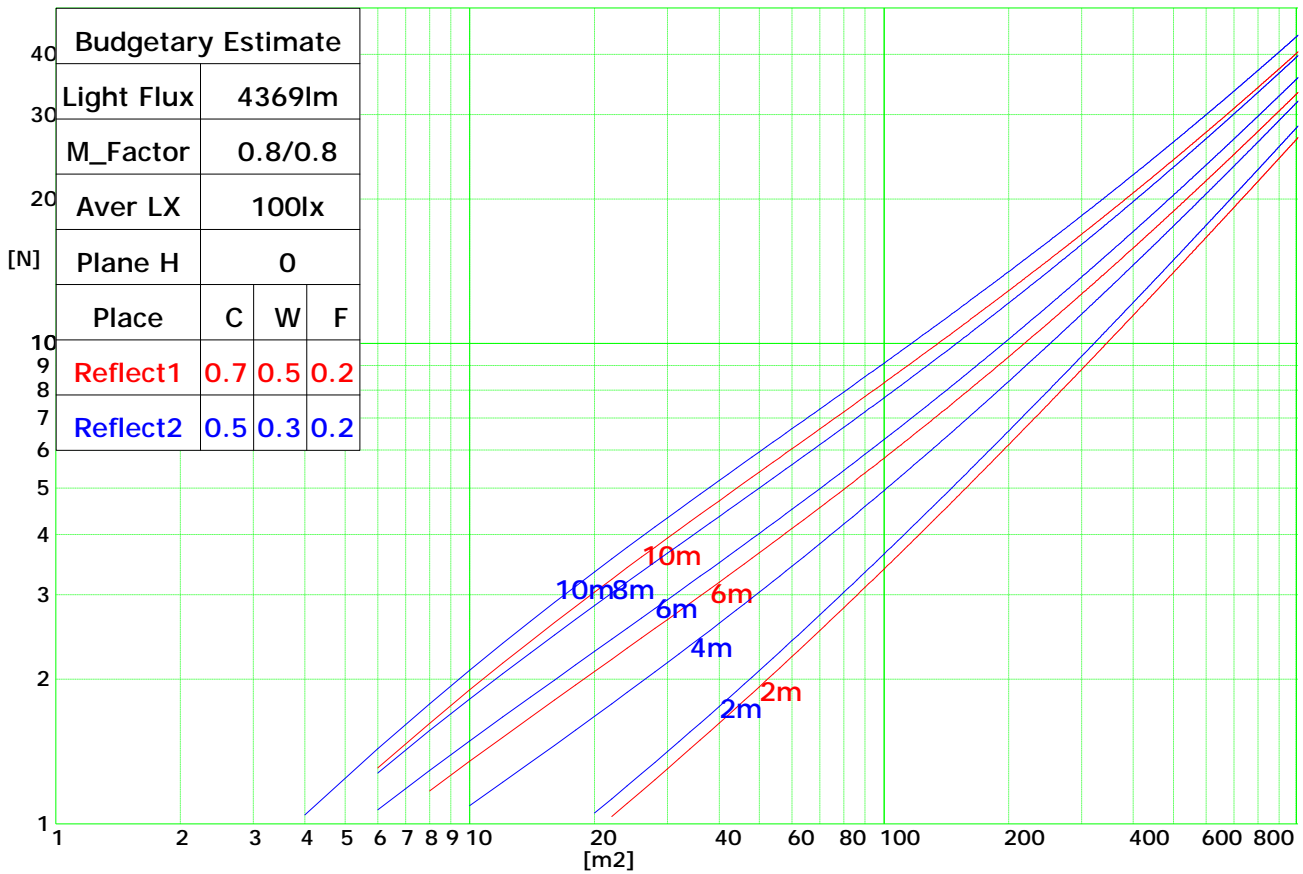


Beam Angle: 120.40° (50%Imax)

## 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	1.02	1.00	0.98	1.01	0.99	0.97	0.97	0.95	0.93	0.93	0.90	0.88	0.87	0.84	0.82	0.76
2	0.86	0.84	0.82	0.86	0.83	0.80	0.84	0.80	0.77	0.81	0.77	0.73	0.76	0.72	0.68	0.63
3	0.74	0.71	0.69	0.74	0.70	0.68	0.73	0.69	0.65	0.71	0.66	0.62	0.68	0.63	0.58	0.54
4	0.64	0.61	0.60	0.65	0.61	0.58	0.65	0.60	0.56	0.63	0.58	0.53	0.61	0.55	0.50	0.46
5	0.57	0.54	0.52	0.57	0.54	0.51	0.58	0.53	0.49	0.57	0.51	0.47	0.56	0.50	0.44	0.41
6	0.51	0.48	0.46	0.51	0.48	0.45	0.52	0.47	0.44	0.52	0.46	0.42	0.51	0.45	0.39	0.36
7	0.46	0.43	0.41	0.47	0.43	0.41	0.48	0.43	0.39	0.48	0.42	0.37	0.47	0.41	0.36	0.32
8	0.42	0.39	0.38	0.42	0.39	0.37	0.44	0.39	0.35	0.44	0.38	0.34	0.44	0.37	0.32	0.29
9	0.38	0.36	0.34	0.39	0.36	0.34	0.40	0.36	0.32	0.41	0.35	0.31	0.41	0.35	0.30	0.27
10	0.35	0.33	0.32	0.36	0.33	0.31	0.37	0.33	0.30	0.38	0.33	0.29	0.39	0.32	0.27	0.25

## 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	15.4	16.9	15.8	16.9	17.3	15.4	16.7	15.8	16.8	17.2
	3H	17.1	18.3	17.4	18.8	18.9	17.0	18.2	17.3	18.7	18.9
	4H	18.0	18.9	18.4	19.6	19.8	17.8	18.9	18.3	19.6	19.7
	6H	18.4	19.6	18.9	19.8	20.2	18.5	19.3	18.8	20.0	20.1
	8H	18.8	19.9	19.0	19.9	20.5	18.8	19.8	19.0	20.1	20.3
4H	12H	18.7	19.9	19.2	20.3	20.6	18.7	19.8	19.1	20.2	20.6
	2H	16.6	17.5	16.7	17.6	18.0	16.5	17.4	16.7	17.8	18.1
	3H	18.3	19.4	18.7	19.4	19.8	18.3	19.2	18.5	19.4	19.8
	4H	19.2	20.0	19.5	20.2	20.7	19.1	19.8	19.4	20.3	20.6
	6H	19.8	20.5	20.1	20.8	21.3	19.8	20.4	20.1	20.9	21.2
8H	8H	20.1	20.7	20.6	21.0	21.5	20.0	20.7	20.4	21.1	21.4
	12H	20.3	21.0	20.7	21.2	21.6	20.1	20.9	20.5	21.2	21.7
	4H	19.4	20.1	19.9	20.4	20.9	19.4	20.2	19.8	20.4	21.0
	6H	20.4	21.0	20.8	21.4	21.8	20.3	20.9	20.8	21.3	21.7
	8H	20.7	21.1	21.3	21.6	22.2	20.6	21.2	21.2	21.6	22.1
12H	12H	21.0	21.5	21.4	22.0	22.5	21.0	21.5	21.3	21.9	22.4
	4H	19.6	20.2	20.0	20.7	21.0	19.5	20.0	19.9	20.7	20.9
	6H	20.6	21.0	20.9	21.3	21.9	20.4	20.9	20.9	21.4	21.7
	8H	21.0	21.5	21.4	21.8	22.2	20.9	21.3	21.2	21.7	22.2