

Luminaire Property

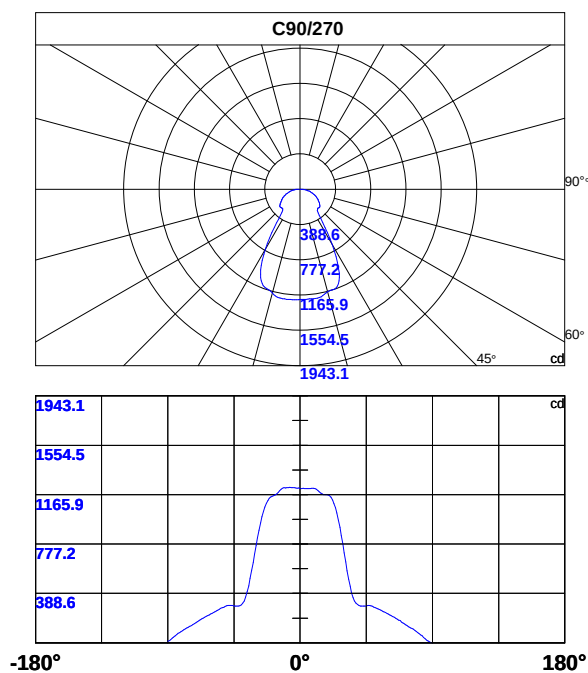
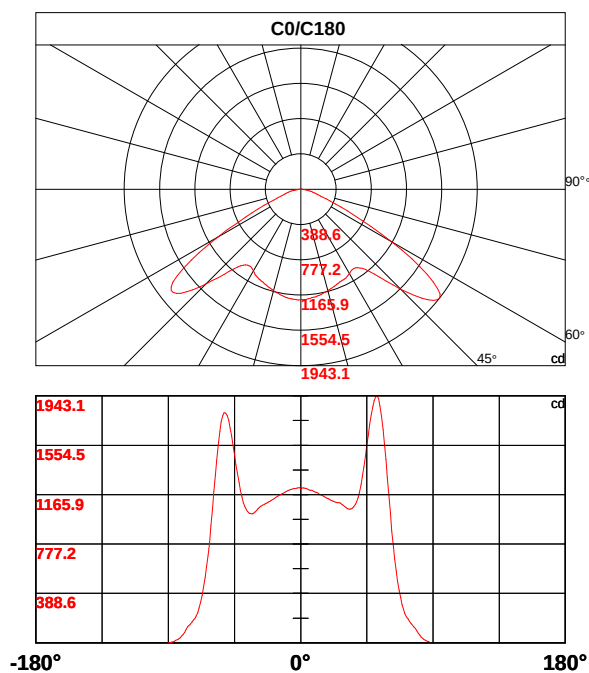
Luminaire:
Report NO.:
Test NO.:
Lamp:
Sum Lumens: 3025.48 lm
Number of Lamps: 1
Diameter: 200mm
Length: 200mm
Photometric Type: Type C

Voltage: 0.0 V
Current: 0.0 A
Power: 0.0 W
Power Factor: 0.000
Ballast Type:
Width: 200mm
Height: 100mm
Remark:

Photometric Results

CIE Class: Direct
Lumens: 3025.48 lm
Efficiency: N.A
Central Intensity: 1214.195cd
Maximum Intensity: 1943.102cd
Beam Angle(10%): Left: -123.9 Right:20.6

Angle of maximum intensity: C:0.0 G:52.0
Half Peak Side Angle(50%): L: -112.6 R:9.3
Light Out Rate(LOR): 100.00%
Up Flux Rate: 0.0%
Down Flux Rate: 100.0%



Light intensity data Unit[cd]

CIG	G0.0	G1.0	G2.0	G3.0	G4.0	G5.0	G6.0	G7.0	G8.0	G9.0
C0.0	1214.2	1218.5	1217.2	1215.3	1212.6	1209.6	1201.6	1200.5	1197.6	1191.4
C30.0	1214.2	1209.6	1207.8	1209.4	1208.8	1209.2	1209.1	1210.0	1212.3	1209.9
C60.0	1214.2	1209.6	1207.8	1209.4	1208.8	1209.2	1209.1	1210.0	1212.3	1209.9
C90.0	1214.2	1214.3	1215.1	1215.0	1213.9	1214.0	1213.7	1215.0	1215.9	1216.1
C120.0	1214.2	1214.3	1215.1	1215.0	1213.9	1214.0	1213.7	1215.0	1215.9	1216.1
C150.0	1214.2	1220.4	1218.5	1216.9	1215.0	1212.0	1209.4	1204.8	1200.5	1194.9
C180.0	1214.2	1220.4	1218.5	1216.9	1215.0	1212.0	1209.4	1204.8	1200.5	1194.9
C210.0	1214.2	1209.6	1210.0	1212.9	1214.5	1214.7	1217.5	1217.8	1218.1	1218.3
C240.0	1214.2	1209.6	1210.0	1212.9	1214.5	1214.7	1217.5	1217.8	1218.1	1218.3
C270.0	1214.2	1217.2	1216.4	1218.6	1219.9	1219.9	1221.0	1222.6	1221.3	1221.0
C300.0	1214.2	1217.2	1216.4	1218.6	1219.9	1219.9	1221.0	1222.6	1221.3	1221.0
C330.0	1214.2	1218.5	1217.2	1215.3	1212.6	1209.6	1201.6	1200.5	1197.6	1191.4
C360.0	1214.2	1218.5	1217.2	1215.3	1212.6	1209.6	1201.6	1200.5	1197.6	1191.4
CIG	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	1186.7	1181.6	1174.9	1165.0	1163.8	1156.3	1150.6	1143.6	1138.5	1132.4
C30.0	1206.9	1198.6	1186.2	1177.5	1167.7	1159.0	1156.0	1153.9	1153.7	1146.6
C60.0	1206.9	1198.6	1186.2	1177.5	1167.7	1159.0	1156.0	1153.9	1153.7	1146.6
C90.0	1213.4	1207.2	1197.8	1187.8	1177.6	1169.3	1165.5	1164.7	1165.3	1163.3
C120.0	1213.4	1207.2	1197.8	1187.8	1177.6	1169.3	1165.5	1164.7	1165.3	1163.3
C150.0	1189.4	1183.8	1174.1	1171.1	1164.4	1156.8	1149.0	1142.0	1135.4	1128.8
C180.0	1189.4	1183.8	1174.1	1171.1	1164.4	1156.8	1149.0	1142.0	1135.4	1128.8
C210.0	1218.9	1219.6	1216.7	1212.6	1204.3	1194.6	1186.5	1180.1	1175.1	1172.8
C240.0	1218.9	1219.6	1216.7	1212.6	1204.3	1194.6	1186.5	1180.1	1175.1	1172.8
C270.0	1218.6	1219.4	1215.3	1207.7	1196.5	1183.6	1171.4	1163.6	1156.9	1153.4
C300.0	1218.6	1219.4	1215.3	1207.7	1196.5	1183.6	1171.4	1163.6	1156.9	1153.4
C330.0	1186.7	1181.6	1174.9	1165.0	1163.8	1156.3	1150.6	1143.6	1138.5	1132.4
C360.0	1186.7	1181.6	1174.9	1165.0	1163.8	1156.3	1150.6	1143.6	1138.5	1132.4
CIG	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	1126.1	1120.0	1114.9	1109.1	1105.7	1102.0	1102.4	1100.1	1089.3	1082.5
C30.0	1146.6	1130.0	1110.3	1082.3	1046.6	1006.6	950.6	900.5	837.7	775.8
C60.0	1146.6	1130.0	1110.3	1082.3	1046.6	1006.6	950.6	900.5	837.7	775.8
C90.0	1156.9	1143.9	1123.7	1096.2	1062.3	1022.1	965.3	908.0	844.1	776.8
C120.0	1156.9	1143.9	1123.7	1096.2	1062.3	1022.1	965.3	908.0	844.1	776.8
C150.0	1120.7	1113.5	1106.3	1099.7	1095.0	1088.5	1082.0	1075.8	1066.3	1053.7
C180.0	1120.7	1113.5	1106.3	1099.7	1095.0	1088.5	1082.0	1075.8	1066.3	1053.7
C210.0	1168.5	1160.4	1148.8	1128.8	1100.0	1065.3	1024.4	976.1	917.9	854.4
C240.0	1168.5	1160.4	1148.8	1128.8	1100.0	1065.3	1024.4	976.1	917.9	854.4
C270.0	1147.2	1137.0	1119.2	1097.6	1067.5	1034.0	992.5	943.6	886.4	825.2
C300.0	1147.2	1137.0	1119.2	1097.6	1067.5	1034.0	992.5	943.6	886.4	825.2
C330.0	1126.1	1120.0	1114.9	1109.1	1105.7	1102.0	1102.4	1100.1	1089.3	1082.5
C360.0	1126.1	1120.0	1114.9	1109.1	1105.7	1102.0	1102.4	1100.1	1089.3	1082.5

Light intensity data Unit[cd]

CIG	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	1072.6	1062.3	1055.3	1051.6	1052.6	1058.5	1068.8	1086.5	1108.4	1142.4
C30.0	707.6	646.5	576.5	514.7	462.0	412.7	372.0	342.4	325.1	309.0
C60.0	707.6	646.5	576.5	514.7	462.0	412.7	372.0	342.4	325.1	309.0
C90.0	706.3	637.8	566.7	500.7	444.9	393.0	355.5	329.1	311.3	300.1
C120.0	706.3	637.8	566.7	500.7	444.9	393.0	355.5	329.1	311.3	300.1
C150.0	1040.8	1028.6	1020.5	1014.6	1016.8	1019.7	1030.8	1047.0	1071.7	1104.4
C180.0	1040.8	1028.6	1020.5	1014.6	1016.8	1019.7	1030.8	1047.0	1071.7	1104.4
C210.0	795.4	724.3	651.8	593.6	528.5	467.4	422.4	377.3	346.1	324.1
C240.0	795.4	724.3	651.8	593.6	528.5	467.4	422.4	377.3	346.1	324.1
C270.0	763.9	698.2	632.1	570.8	508.5	447.9	401.4	359.4	330.2	311.1
C300.0	763.9	698.2	632.1	570.8	508.5	447.9	401.4	359.4	330.2	311.1
C330.0	1072.6	1062.3	1055.3	1051.6	1052.6	1058.5	1068.8	1086.5	1108.4	1142.4
C360.0	1072.6	1062.3	1055.3	1051.6	1052.6	1058.5	1068.8	1086.5	1108.4	1142.4
CIG	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	1183.2	1241.2	1305.6	1385.8	1469.1	1555.3	1636.3	1720.3	1795.7	1857.7
C30.0	301.1	296.5	292.5	290.8	299.0	292.0	292.5	294.4	292.3	289.3
C60.0	301.1	296.5	292.5	290.8	299.0	292.0	292.5	294.4	292.3	289.3
C90.0	295.4	289.8	288.2	287.6	287.9	290.6	293.4	293.4	292.5	287.9
C120.0	295.4	289.8	288.2	287.6	287.9	290.6	293.4	293.4	292.5	287.9
C150.0	1148.0	1200.0	1264.8	1331.3	1401.7	1477.7	1554.9	1624.2	1690.2	1746.2
C180.0	1148.0	1200.0	1264.8	1331.3	1401.7	1477.7	1554.9	1624.2	1690.2	1746.2
C210.0	311.6	303.6	299.6	299.0	296.3	296.3	297.4	300.3	298.4	299.6
C240.0	311.6	303.6	299.6	299.0	296.3	296.3	297.4	300.3	298.4	299.6
C270.0	299.2	292.3	289.2	288.4	290.2	289.2	293.1	294.2	295.2	294.1
C300.0	299.2	292.3	289.2	288.4	290.2	289.2	293.1	294.2	295.2	294.1
C330.0	1183.2	1241.2	1305.6	1385.8	1469.1	1555.3	1636.3	1720.3	1795.7	1857.7
C360.0	1183.2	1241.2	1305.6	1385.8	1469.1	1555.3	1636.3	1720.3	1795.7	1857.7
CIG	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	1907.0	1935.0	1943.1	1920.7	1863.4	1782.4	1679.4	1568.0	1443.5	1302.3
C30.0	284.4	278.5	273.1	266.5	261.1	255.6	245.6	241.9	236.6	229.7
C60.0	284.4	278.5	273.1	266.5	261.1	255.6	245.6	241.9	236.6	229.7
C90.0	282.5	277.7	272.5	267.3	262.3	255.6	249.7	243.5	237.4	230.9
C120.0	282.5	277.7	272.5	267.3	262.3	255.6	249.7	243.5	237.4	230.9
C150.0	1785.8	1808.2	1810.5	1786.1	1738.7	1660.3	1558.4	1435.9	1319.3	1187.3
C180.0	1785.8	1808.2	1810.5	1786.1	1738.7	1660.3	1558.4	1435.9	1319.3	1187.3
C210.0	295.2	289.3	286.6	281.2	275.8	269.3	263.2	255.9	248.4	242.6
C240.0	295.2	289.3	286.6	281.2	275.8	269.3	263.2	255.9	248.4	242.6
C270.0	290.8	286.0	279.1	275.3	270.9	262.4	256.5	250.0	243.5	237.8
C300.0	290.8	286.0	279.1	275.3	270.9	262.4	256.5	250.0	243.5	237.8
C330.0	1907.0	1935.0	1943.1	1920.7	1863.4	1782.4	1679.4	1568.0	1443.5	1302.3
C360.0	1907.0	1935.0	1943.1	1920.7	1863.4	1782.4	1679.4	1568.0	1443.5	1302.3

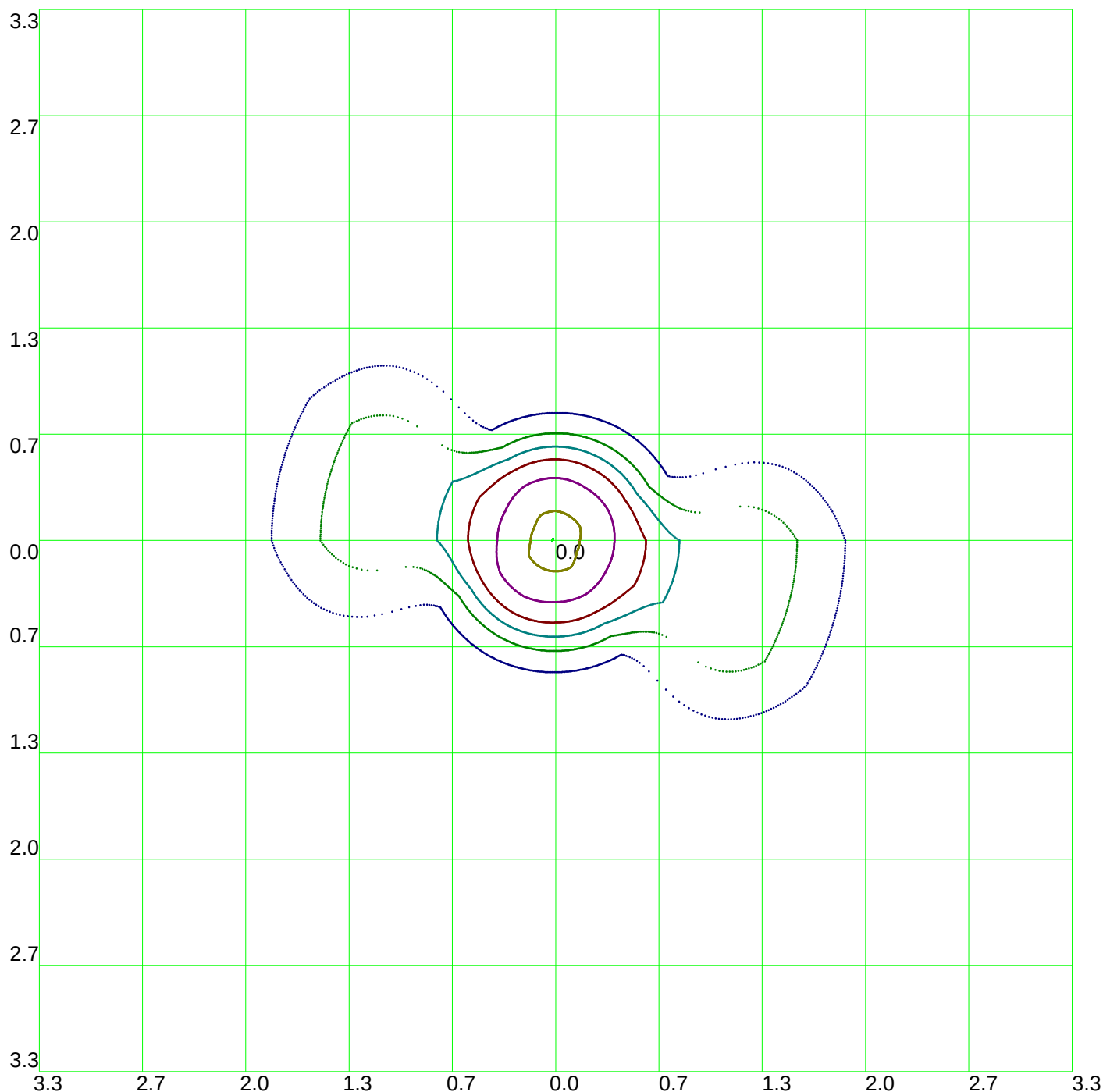
Light intensity data Unit[cd]

CIG	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	1164.5	1019.3	877.0	763.6	661.5	566.8	485.9	416.5	353.9	302.0
C30.0	223.5	218.5	211.9	205.2	197.7	190.6	183.8	175.9	168.7	161.3
C60.0	223.5	218.5	211.9	205.2	197.7	190.6	183.8	175.9	168.7	161.3
C90.0	224.9	219.7	214.5	205.8	200.1	192.1	185.3	177.7	174.3	163.0
C120.0	224.9	219.7	214.5	205.8	200.1	192.1	185.3	177.7	174.3	163.0
C150.0	1052.0	922.5	790.1	683.3	594.5	514.0	439.3	376.5	321.9	274.2
C180.0	1052.0	922.5	790.1	683.3	594.5	514.0	439.3	376.5	321.9	274.2
C210.0	236.0	229.4	223.1	215.5	208.8	201.4	195.2	187.7	179.2	171.8
C240.0	236.0	229.4	223.1	215.5	208.8	201.4	195.2	187.7	179.2	171.8
C270.0	232.8	227.1	220.3	214.9	208.2	201.8	193.9	188.6	181.6	172.9
C300.0	232.8	227.1	220.3	214.9	208.2	201.8	193.9	188.6	181.6	172.9
C330.0	1164.5	1019.3	877.0	763.6	661.5	566.8	485.9	416.5	353.9	302.0
C360.0	1164.5	1019.3	877.0	763.6	661.5	566.8	485.9	416.5	353.9	302.0
CIG	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	260.8	229.0	203.3	187.2	171.1	153.9	138.4	125.0	112.6	95.6
C30.0	156.8	147.3	139.8	133.4	124.8	120.9	112.9	106.7	99.3	91.6
C60.0	156.8	147.3	139.8	133.4	124.8	120.9	112.9	106.7	99.3	91.6
C90.0	154.7	148.1	140.9	134.2	126.4	119.1	112.6	107.9	98.3	89.7
C120.0	154.7	148.1	140.9	134.2	126.4	119.1	112.6	107.9	98.3	89.7
C150.0	237.2	211.2	191.5	177.8	163.5	147.4	135.8	124.4	101.9	83.6
C180.0	237.2	211.2	191.5	177.8	163.5	147.4	135.8	124.4	101.9	83.6
C210.0	165.9	157.8	151.1	143.5	136.5	129.3	122.0	114.8	109.6	101.6
C240.0	165.9	157.8	151.1	143.5	136.5	129.3	122.0	114.8	109.6	101.6
C270.0	165.7	158.3	151.3	144.6	135.2	130.1	123.7	117.2	110.1	102.7
C300.0	165.7	158.3	151.3	144.6	135.2	130.1	123.7	117.2	110.1	102.7
C330.0	260.8	229.0	203.3	187.2	171.1	153.9	138.4	125.0	112.6	95.6
C360.0	260.8	229.0	203.3	187.2	171.1	153.9	138.4	125.0	112.6	95.6
CIG	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	75.4	59.3	45.2	33.7	25.6	20.0	13.5	8.4	3.0	1.5
C30.0	83.6	75.2	67.0	56.9	45.2	36.0	24.3	16.4	9.5	3.8
C60.0	83.6	75.2	67.0	56.9	45.2	36.0	24.3	16.4	9.5	3.8
C90.0	81.0	73.3	61.9	54.3	42.5	33.2	21.6	14.3	7.9	3.0
C120.0	81.0	73.3	61.9	54.3	42.5	33.2	21.6	14.3	7.9	3.0
C150.0	65.4	52.8	40.7	31.5	23.8	19.1	12.4	7.8	3.3	0.8
C180.0	65.4	52.8	40.7	31.5	23.8	19.1	12.4	7.8	3.3	0.8
C210.0	95.3	88.8	81.0	72.5	63.5	53.9	42.3	32.1	22.4	15.0
C240.0	95.3	88.8	81.0	72.5	63.5	53.9	42.3	32.1	22.4	15.0
C270.0	96.1	88.3	80.8	73.5	65.2	56.0	45.3	36.1	25.0	16.4
C300.0	96.1	88.3	80.8	73.5	65.2	56.0	45.3	36.1	25.0	16.4
C330.0	75.4	59.3	45.2	33.7	25.6	20.0	13.5	8.4	3.0	1.5
C360.0	75.4	59.3	45.2	33.7	25.6	20.0	13.5	8.4	3.0	1.5

Light intensity data Unit[cd]

CIG	G90.0									
C0.0	0.0									
C30.0	1.3									
C60.0	1.3									
C90.0	0.1									
C120.0	0.1									
C150.0	0.7									
C180.0	0.7									
C210.0	8.3									
C240.0	8.3									
C270.0	10.8									
C300.0	10.8									
C330.0	0.0									
C360.0	0.0									

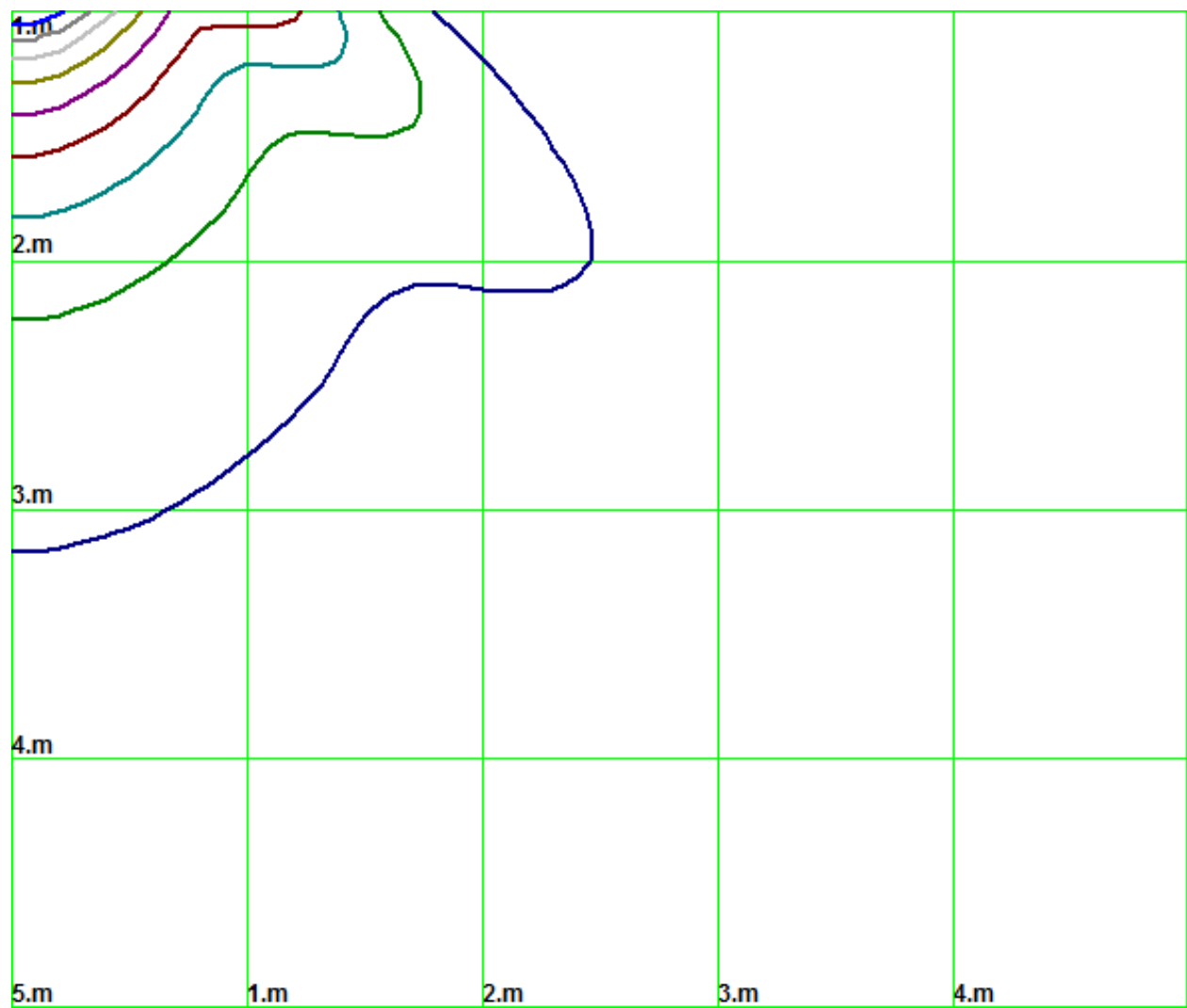
Isolx curve



Height: 1 m

(10%): 194.3lx	(20%): 388.6lx	(30%): 582.9lx	(40%): 777.2lx
(50%): 971.6lx	(60%): 1165.9lx	(70%): 1360.2lx	(80%): 1554.5lx
(90%): 1748.8lx	(100%): 1941.2lx		

Space Isolx Curve



- | | | | |
|-----------------|------------------|-----------------|-----------------|
| (10%): 194.3lx | (20%): 388.6lx | (30%): 582.9lx | (40%): 777.2lx |
| (50%): 971.6lx | (60%): 1165.9lx | (70%): 1360.2lx | (80%): 1554.5lx |
| (90%): 1748.8lx | (100%): 1941.2lx | | |

Luminance Limiting Curve

Diameter: 200mm

Length: 200mm

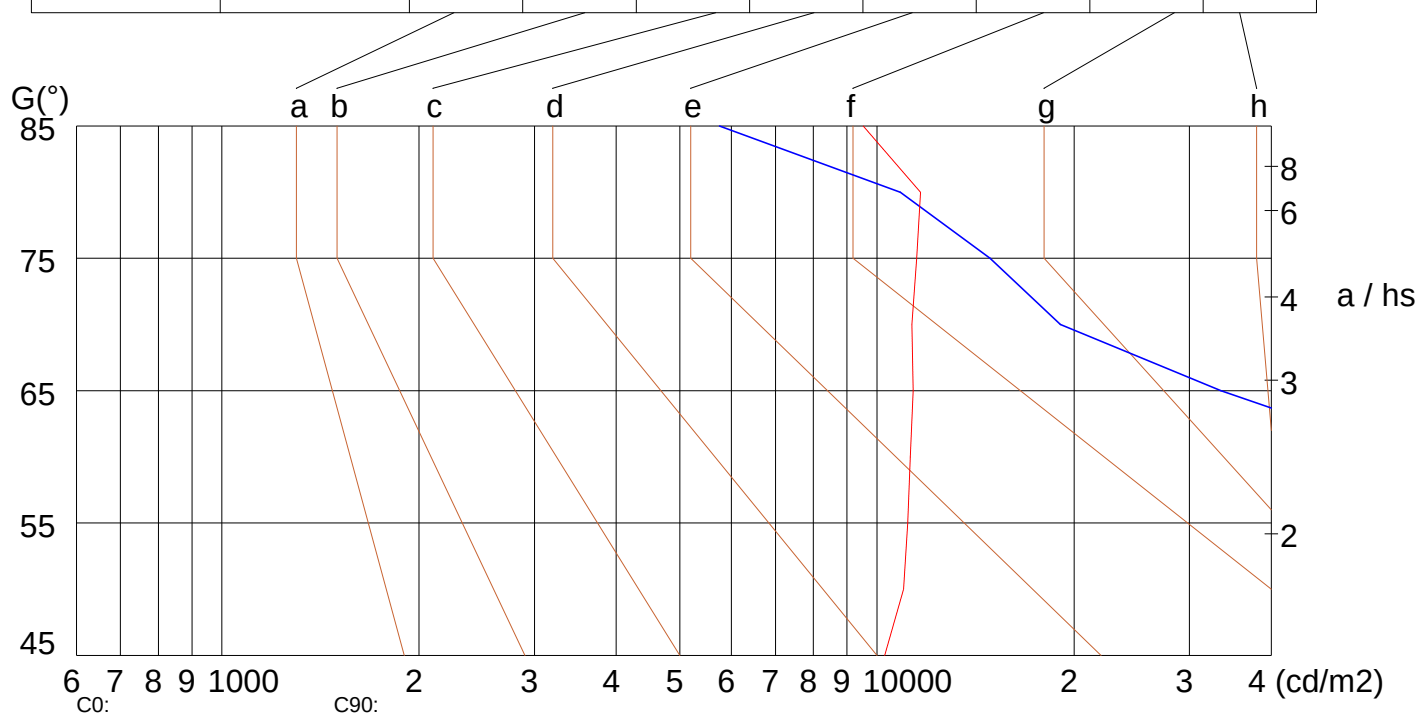
Width: 200mm

Height: 100mm

(cd/m2)

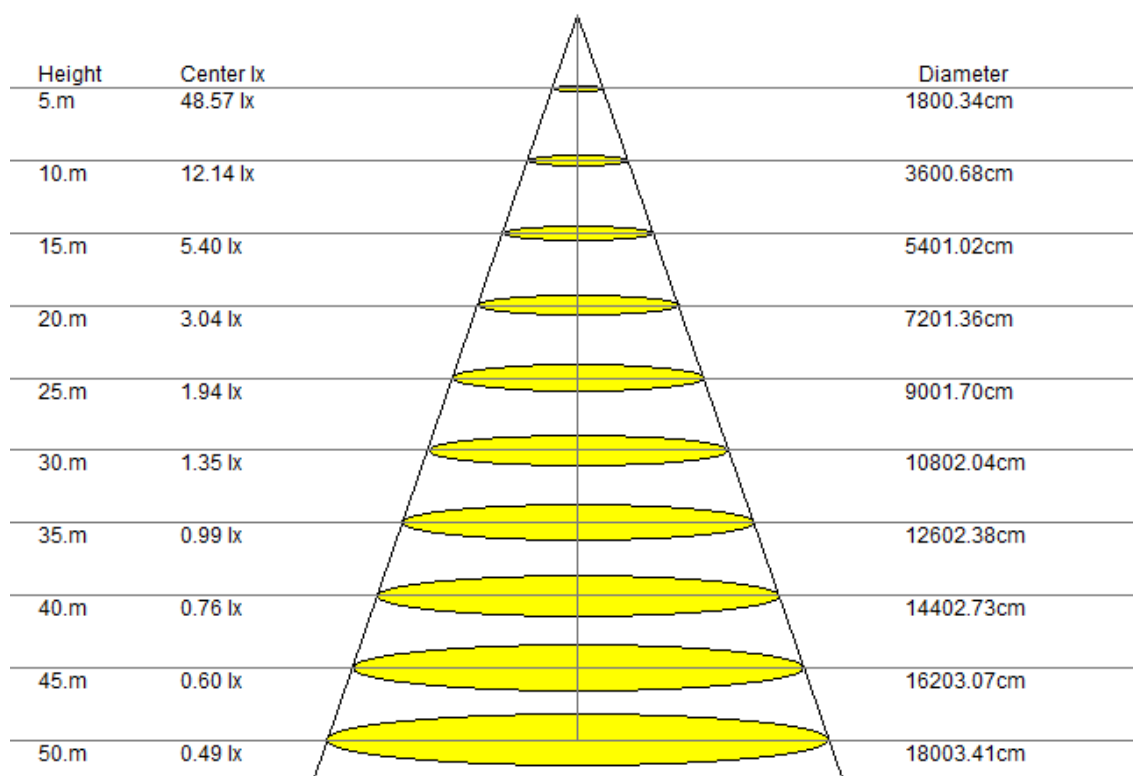
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	10273	10986	11141	11245	11366	11311	11506	11656	9532
C90	54989	74169	77690	58227	33531	19065	14870	10852	5749

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:121.90°(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	1.00	0.98	0.97	0.96	0.93	0.91	0.89	0.87	0.85	0.80
2	0.90	0.88	0.86	0.90	0.87	0.84	0.87	0.84	0.81	0.84	0.80	0.77	0.79	0.75	0.72	0.67
3	0.77	0.75	0.73	0.77	0.74	0.71	0.76	0.72	0.68	0.74	0.69	0.65	0.70	0.65	0.61	0.57
4	0.67	0.64	0.62	0.67	0.63	0.61	0.67	0.62	0.58	0.65	0.60	0.56	0.63	0.57	0.52	0.48
5	0.58	0.56	0.54	0.59	0.55	0.53	0.59	0.54	0.51	0.58	0.53	0.48	0.57	0.51	0.46	0.42
6	0.52	0.49	0.47	0.52	0.49	0.46	0.53	0.48	0.44	0.53	0.47	0.42	0.52	0.45	0.40	0.37
7	0.46	0.43	0.42	0.47	0.43	0.41	0.48	0.43	0.39	0.48	0.42	0.38	0.48	0.41	0.36	0.32
8	0.41	0.39	0.37	0.42	0.39	0.37	0.43	0.38	0.35	0.44	0.38	0.34	0.44	0.37	0.32	0.29
9	0.37	0.35	0.34	0.38	0.35	0.33	0.40	0.35	0.32	0.40	0.35	0.30	0.41	0.34	0.29	0.26
10	0.34	0.32	0.31	0.35	0.32	0.30	0.37	0.32	0.29	0.37	0.32	0.28	0.38	0.31	0.26	0.24

Indoor Budgetary Estimate Chart

