

Test Report of Luminaire

Report No.:

Luminaire Type	8570-FS-23-4K		
Lamp Type	LED_CXA 2520		
Client		EUT NO.	CCT: 3966K, CRI: 83.2Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.17
Power:	20.3	Power Factor	0.995
Frequency:	60Hz	Tc	4000K
Photometric Parameters			
Luminaire Flux	1712.54 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	2693.265cd	Central Intensity	2693.265cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-171253.9%		
50%Imax Beam Width	C0_180[16.7 , -10.2] C90_270[14.9 , -13.4]		
Remark			

Luminaire Figure



RP Lighting • Fans

Photometric Data Table [Unit:cd] 8570-FS-23-4K

C\G	0	5	10	15	20	25	30	35	40	45
0	2693.3	2431.0	1597.2	1394.3	1256.4	949.3	660.9	532.1	405.6	292.7
5	2693.3	2442.7	1603.9	1391.9	1253.4	945.6	656.6	524.1	410.6	291.7
10	2693.3	2454.4	1609.5	1388.6	1248.1	937.3	652.6	518.4	414.9	292.1
15	2693.3	2464.7	1613.2	1385.2	1242.7	925.6	651.6	515.4	415.2	293.4
20	2693.3	2471.7	1614.6	1380.6	1237.0	915.6	649.6	517.7	413.9	294.1
25	2693.3	2474.7	1613.2	1375.9	1232.0	907.9	646.9	520.7	413.6	293.7
30	2693.3	2474.7	1610.2	1371.6	1228.0	900.2	644.9	523.1	412.9	294.4
35	2693.3	2471.7	1603.5	1369.9	1223.4	892.2	639.5	518.7	409.9	296.1
40	2693.3	2466.7	1595.2	1371.9	1218.7	880.2	634.5	511.0	404.6	297.7
45	2693.3	2456.4	1586.9	1373.6	1212.7	866.9	628.9	506.4	401.2	298.7
50	2693.3	2445.0	1580.2	1377.2	1204.7	856.2	622.5	506.4	400.6	300.7
55	2693.3	2431.7	1571.8	1380.2	1201.0	849.8	617.9	510.0	399.6	305.4
60	2693.3	2415.3	1562.2	1382.9	1202.3	844.2	614.8	517.4	400.9	308.4
65	2693.3	2397.3	1553.5	1381.9	1205.7	840.5	612.5	515.4	404.2	312.4
70	2693.3	2377.6	1544.1	1378.9	1209.0	835.8	609.8	507.0	406.6	312.8
75	2693.3	2356.2	1531.4	1372.6	1208.3	828.5	608.8	503.7	406.9	312.4
80	2693.3	2334.2	1519.4	1364.2	1205.0	821.1	607.5	502.0	403.9	314.8
85	2693.3	2310.2	1507.7	1355.2	1198.0	814.1	605.5	499.0	398.5	312.1
90	2693.3	2286.8	1495.7	1343.9	1189.0	806.8	600.2	489.3	393.2	310.4
95	2693.3	2260.8	1484.0	1332.2	1179.6	800.1	596.8	482.0	389.5	309.1
100	2693.3	2234.4	1470.7	1320.5	1169.3	796.1	595.2	480.0	390.9	308.8
105	2693.3	2207.4	1455.7	1309.8	1161.6	792.4	593.8	476.0	390.5	307.8
110	2693.3	2180.0	1440.7	1301.5	1151.9	788.1	590.1	471.6	390.2	307.4
115	2693.3	2152.3	1426.6	1294.4	1143.6	781.7	586.5	465.6	389.9	308.1
120	2693.3	2125.3	1413.3	1286.8	1132.2	775.7	581.1	459.3	388.9	309.1
125	2693.3	2098.9	1401.3	1279.4	1123.5	768.7	576.8	454.3	388.2	310.1
130	2693.3	2074.2	1388.6	1272.4	1115.5	761.0	571.8	453.6	386.5	309.8
135	2693.3	2051.5	1377.6	1267.7	1107.5	754.4	566.8	453.6	385.2	308.4
140	2693.3	2029.8	1368.6	1264.4	1098.2	744.7	560.1	456.0	385.9	305.4
145	2693.3	2008.8	1360.9	1262.4	1086.5	734.0	552.8	456.3	386.2	301.4
150	2693.3	1990.1	1354.9	1260.1	1074.1	723.7	546.1	455.0	387.9	297.1
155	2693.3	1972.4	1349.9	1258.7	1060.8	714.7	542.1	451.3	385.9	293.7
160	2693.3	1955.4	1346.5	1257.4	1050.1	707.3	538.7	448.0	380.9	291.1
165	2693.3	1940.7	1345.5	1256.7	1041.1	703.0	539.1	447.3	378.2	288.7
170	2693.3	1928.0	1344.9	1258.1	1033.1	697.3	542.4	447.3	379.9	285.4
175	2693.3	1917.0	1346.5	1258.7	1028.4	692.6	548.1	445.3	382.5	282.7
180	2693.3	1907.3	1350.5	1258.1	1024.7	688.9	550.8	444.6	380.2	280.4
185	2693.3	1899.6	1355.2	1258.1	1021.1	686.6	552.1	445.3	376.5	279.4
190	2693.3	1894.6	1361.5	1255.7	1017.1	687.3	552.4	446.6	377.2	280.4
195	2693.3	1890.3	1366.9	1255.1	1012.7	688.6	554.1	446.9	379.5	281.1
200	2693.3	1887.9	1371.9	1254.4	1008.7	689.6	556.1	446.3	376.5	280.7
205	2693.3	1885.6	1375.9	1254.1	1007.4	689.9	556.4	444.3	366.8	279.4
210	2693.3	1885.3	1380.2	1253.7	1005.4	691.3	553.1	443.3	361.5	278.4
215	2693.3	1885.9	1384.9	1252.7	1000.7	692.6	550.4	446.6	359.2	276.0
220	2693.3	1889.3	1389.6	1252.7	995.4	696.6	550.8	449.6	358.8	275.4
225	2693.3	1893.9	1394.9	1253.1	993.4	699.6	550.1	451.0	358.5	274.7
230	2693.3	1899.3	1399.3	1255.4	994.4	704.0	550.8	452.3	359.2	274.0
235	2693.3	1905.6	1403.9	1260.4	997.4	707.3	553.4	456.6	359.5	274.7

RP Lighting • Fans

Photometric Data Table [Unit:cd] 8570-FS-23-4K

240	2693.3	1914.0	1409.3	1269.4	1003.0	712.0	559.1	463.3	360.8	275.0
245	2693.3	1922.6	1413.6	1279.4	1014.1	720.7	566.8	467.6	361.5	275.0
250	2693.3	1933.7	1418.6	1288.1	1027.1	731.3	576.1	472.7	363.5	274.7
255	2693.3	1946.0	1423.3	1295.5	1040.8	741.7	584.1	475.0	365.8	275.7
260	2693.3	1959.7	1425.6	1300.1	1054.8	751.4	589.8	473.3	368.5	277.0
265	2693.3	1974.7	1428.3	1303.1	1064.8	759.4	591.5	469.3	369.2	276.7
270	2693.3	1991.4	1431.0	1306.1	1074.1	766.1	594.2	468.6	370.5	277.4
275	2693.3	2009.4	1433.3	1310.5	1082.5	772.4	597.8	471.3	372.2	276.4
280	2693.3	2028.1	1437.0	1315.1	1091.5	781.1	601.8	475.0	371.8	275.0
285	2693.3	2047.5	1439.6	1317.8	1103.2	789.1	607.2	478.7	372.8	274.0
290	2693.3	2067.8	1442.7	1322.2	1116.9	798.8	614.5	482.3	374.5	273.4
295	2693.3	2092.2	1445.7	1326.2	1131.9	809.1	621.9	485.7	374.5	274.4
300	2693.3	2116.9	1450.7	1333.2	1146.6	820.1	627.2	490.0	377.2	277.0
305	2693.3	2141.6	1457.3	1341.5	1163.9	831.8	631.5	492.3	378.5	279.1
310	2693.3	2167.7	1466.7	1348.9	1178.3	841.5	634.2	496.0	378.9	279.1
315	2693.3	2194.4	1477.7	1357.5	1189.3	850.5	636.2	497.7	380.9	278.7
320	2693.3	2221.7	1489.7	1364.2	1198.0	858.5	638.2	500.4	382.9	280.1
325	2693.3	2250.8	1502.7	1370.6	1206.3	867.9	640.9	503.4	386.2	281.1
330	2693.3	2279.5	1516.1	1376.2	1213.7	879.9	646.2	504.7	388.5	282.1
335	2693.3	2305.8	1529.4	1380.9	1223.7	896.9	653.9	505.7	389.9	283.1
340	2693.3	2331.9	1542.8	1385.2	1236.0	913.6	660.6	507.7	389.2	284.4
345	2693.3	2356.2	1555.8	1388.9	1247.7	928.3	666.3	514.0	388.9	286.7
350	2693.3	2378.9	1569.2	1390.6	1253.7	941.0	668.9	526.7	392.2	290.7
355	2693.3	2398.0	1579.8	1392.3	1254.7	946.3	665.6	536.4	397.9	292.7
360	2693.3	2431.0	1597.2	1394.3	1256.4	949.3	660.9	532.1	405.6	292.7

C\G	50	55	60	65	70	75	80	85	90
0	216.3	154.6	101.4	68.8	48.6	35.5	25.2	14.6	2.1
5	216.0	154.3	101.2	69.4	48.9	35.6	25.3	15.1	2.4
10	216.0	155.4	101.6	69.9	49.0	35.9	25.7	15.6	3.1
15	218.0	156.1	102.0	70.3	49.3	36.0	26.0	16.8	3.6
20	218.0	155.1	101.8	70.3	49.6	35.9	25.8	17.0	3.5
25	217.3	155.2	101.9	70.2	49.6	35.8	25.8	17.3	3.8
30	218.0	155.0	102.0	70.2	49.7	35.3	24.8	16.6	3.7
35	218.0	155.4	102.1	70.2	49.7	34.6	24.9	15.8	4.0
40	217.6	155.1	101.7	70.1	49.5	33.9	23.5	13.0	1.9
45	218.3	153.7	101.2	69.9	49.7	33.1	21.6	10.9	1.3
50	220.0	152.6	100.6	69.8	49.7	34.2	23.2	13.2	2.2
55	221.6	152.0	101.2	70.1	49.8	34.6	24.7	14.8	3.1
60	223.0	152.7	101.3	70.2	49.9	35.0	25.0	15.7	3.9
65	224.0	153.0	101.4	70.5	49.9	35.4	25.2	16.2	4.4
70	223.3	153.0	102.0	70.9	50.1	35.5	25.2	15.9	4.0
75	225.0	153.5	102.5	71.2	50.3	35.5	26.5	15.3	3.0
80	226.6	153.1	103.0	71.4	50.2	35.4	26.7	14.9	3.5
85	225.6	153.3	103.1	71.4	49.8	35.1	26.1	14.5	2.2
90	223.6	152.3	102.6	71.4	49.3	34.6	25.6	14.7	1.1
95	222.3	151.7	102.7	71.4	48.9	34.3	25.9	14.4	0.9
100	222.0	151.7	102.8	71.1	48.6	34.0	25.4	13.1	0.8

RP Lighting • Fans

Photometric Data Table [Unit:cd] 8570-FS-23-4K

105	221.6	151.7	102.9	70.9	48.2	33.7	25.5	12.9	0.7
110	221.3	150.8	102.1	70.4	47.9	33.5	25.9	13.3	0.7
115	222.0	150.2	101.7	70.0	47.7	33.3	25.1	14.0	0.6
120	222.6	149.6	101.1	69.7	47.3	32.7	23.3	13.9	0.6
125	221.6	149.2	100.6	69.6	47.0	31.8	22.1	13.1	0.6
130	221.0	149.0	100.3	69.3	46.7	31.0	19.9	11.1	0.6
135	219.0	148.3	100.0	68.6	46.3	29.7	17.4	7.9	0.6
140	217.6	147.4	99.0	67.8	46.1	30.2	18.1	10.6	0.7
145	217.0	146.0	98.1	67.0	45.7	30.3	19.1	12.5	0.7
150	214.6	144.7	96.9	66.2	45.1	30.3	19.5	11.7	0.7
155	211.6	143.6	95.5	65.5	44.6	30.3	19.9	10.9	0.7
160	209.3	142.3	94.5	65.0	44.2	30.2	20.2	10.3	0.7
165	209.0	140.7	93.5	64.4	43.9	30.0	20.2	9.6	0.7
170	208.0	139.6	92.9	63.7	43.6	29.8	19.9	9.5	0.7
175	207.0	138.3	92.1	63.2	43.3	29.6	19.6	9.3	0.7
180	206.0	137.1	91.8	62.6	43.1	29.6	19.3	9.2	0.6
185	205.3	136.4	91.3	62.1	43.0	29.5	19.2	8.7	0.7
190	204.9	135.9	90.8	61.6	43.0	29.5	19.1	8.7	0.7
195	205.3	136.0	90.8	61.4	43.0	29.6	19.1	8.4	0.6
200	203.6	135.4	90.5	61.1	42.9	29.7	19.0	8.3	0.7
205	201.6	134.3	89.8	60.7	42.6	29.5	18.9	8.2	0.7
210	200.6	133.3	89.1	60.4	42.5	29.3	18.3	7.8	0.7
215	199.3	132.6	88.3	60.2	42.5	28.9	17.8	7.4	0.7
220	197.9	132.4	88.0	60.1	42.5	28.6	17.2	6.7	0.7
225	197.3	132.3	88.3	60.3	42.5	28.0	16.1	5.8	0.6
230	197.3	132.6	88.3	60.6	42.6	28.6	16.9	6.4	0.7
235	197.3	132.1	88.4	60.8	42.8	29.3	18.1	7.7	0.7
240	198.3	132.2	88.8	61.4	43.0	29.7	18.7	8.4	0.7
245	197.9	133.0	89.0	61.8	43.3	30.1	19.6	9.1	0.6
250	198.6	134.2	89.7	62.1	43.6	30.5	20.2	9.5	0.7
255	200.3	135.6	90.7	62.5	44.1	30.8	20.5	9.7	0.7
260	201.3	136.5	91.2	62.9	44.3	31.2	20.7	9.9	0.6
265	201.3	136.8	91.7	63.1	44.5	31.3	20.9	10.0	0.6
270	202.3	137.3	92.1	63.4	44.4	31.3	20.9	10.0	0.6
275	202.9	137.5	92.0	63.6	44.3	31.4	21.0	10.1	0.6
280	203.6	139.1	92.2	63.8	44.4	31.5	21.1	10.1	0.6
285	203.9	139.8	92.7	64.1	44.6	31.7	21.3	10.3	0.6
290	204.3	140.7	93.2	64.2	44.8	32.1	21.4	10.4	0.6
295	205.3	141.7	93.7	64.5	45.1	32.2	21.6	10.6	0.6
300	207.0	142.8	94.5	64.8	45.4	32.3	21.3	10.7	0.6
305	208.0	143.9	95.1	65.3	45.7	32.3	21.1	10.7	0.7
310	208.3	144.6	95.6	65.5	46.0	32.3	20.7	10.2	0.7
315	208.0	144.5	96.3	65.8	46.4	32.1	19.7	8.9	0.7
320	209.6	145.5	97.0	66.0	46.7	32.9	21.4	9.5	0.8
325	211.3	146.7	98.0	66.2	46.8	33.8	22.8	11.1	1.0
330	212.3	147.7	98.5	66.6	47.0	34.3	23.4	12.0	1.1
335	213.0	149.1	99.1	67.0	47.2	34.5	24.2	12.5	1.2
340	213.0	150.3	99.4	67.2	47.4	34.9	24.5	12.7	1.3
345	215.3	151.8	100.1	67.6	47.7	35.2	24.6	12.7	1.3

RP Lighting • Fans

Photometric Data Table [Unit:cd] 8570-FS-23-4K

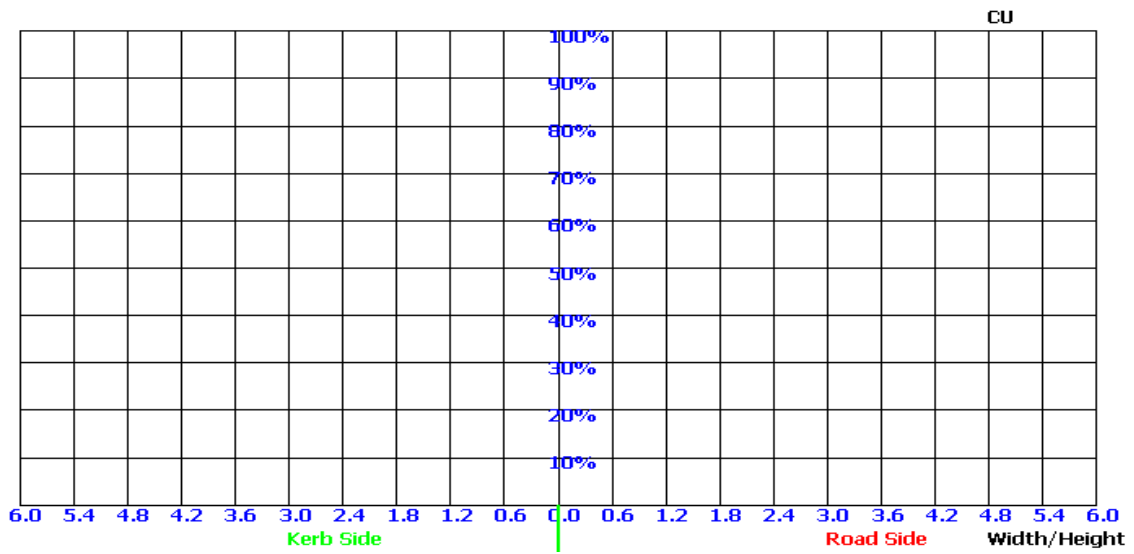
350	216.3	153.7	100.5	68.0	48.0	35.3	24.7	13.1	1.5
355	217.0	154.9	101.4	68.5	48.2	35.4	24.9	13.7	1.6
360	216.3	154.6	101.4	68.8	48.6	35.5	25.2	14.6	2.1

RP Lighting • Fans

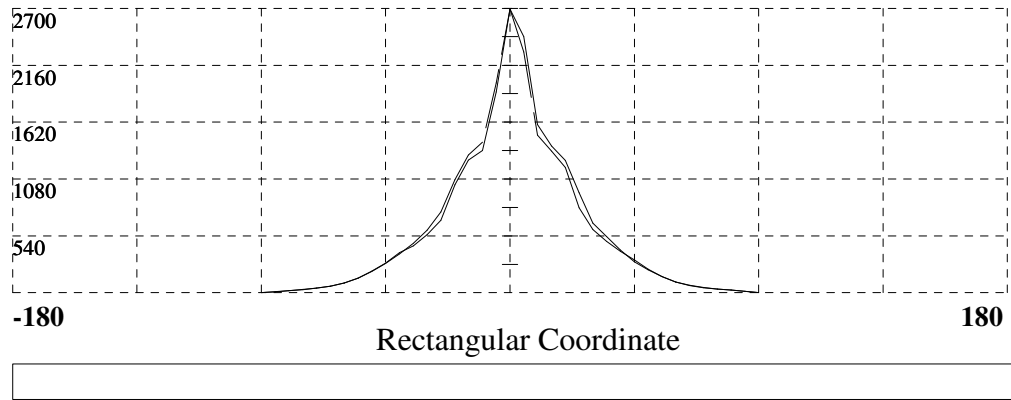
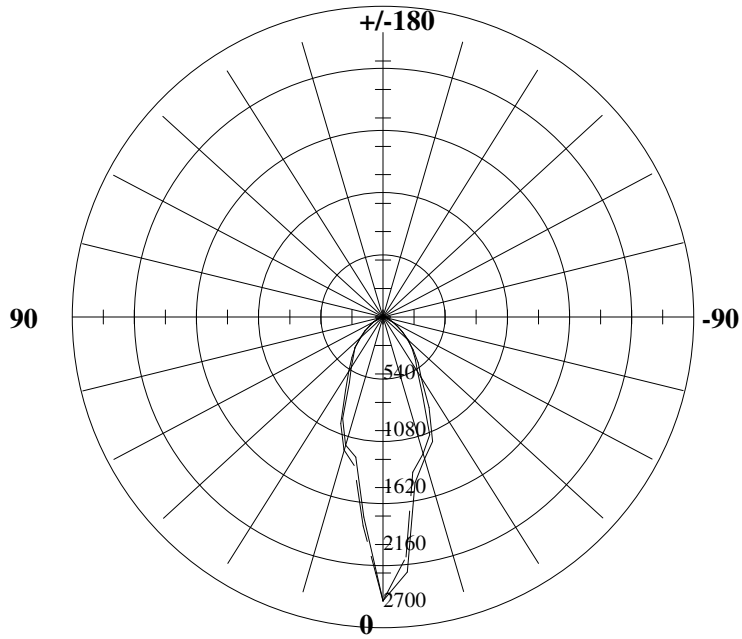
Zonal Flux 8570-FS-23-4K

Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	2693.27	0.00	0.00	0.00	0.00
5	2150.63	57.91	57.91	-5790.74	-5790.74
10	1464.03	129.31	187.22	-12930.77	-18721.52
15	1319.56	165.12	352.34	-16512.08	-35233.60
20	1129.55	201.84	554.18	-20184.09	-55417.69
25	797.01	202.06	756.24	-20206.06	-75623.74
30	598.59	176.62	932.85	-17661.52	-93285.27
35	481.55	159.06	1091.91	-15905.82	-109191.11
40	385.47	144.66	1236.57	-14465.54	-123656.63
45	290.17	125.10	1361.67	-12510.08	-136166.72
50	211.79	101.43	1463.10	-10142.83	-146309.47
55	145.15	77.61	1540.71	-7761.02	-154070.47
60	96.66	55.89	1596.60	-5589.31	-159659.78
65	66.35	39.63	1636.23	-3962.72	-163622.46
70	46.30	28.52	1664.75	-2852.37	-166474.84
75	32.38	20.57	1685.31	-2056.56	-168531.35
80	22.00	14.55	1699.86	-1454.97	-169986.29
85	11.60	9.13	1708.99	-913.03	-170899.32
90	1.34	3.54	1712.54	-354.38	-171253.66

RP Lighting • Fans
Coefficient Utilization Curve
8570-FS-23-4K



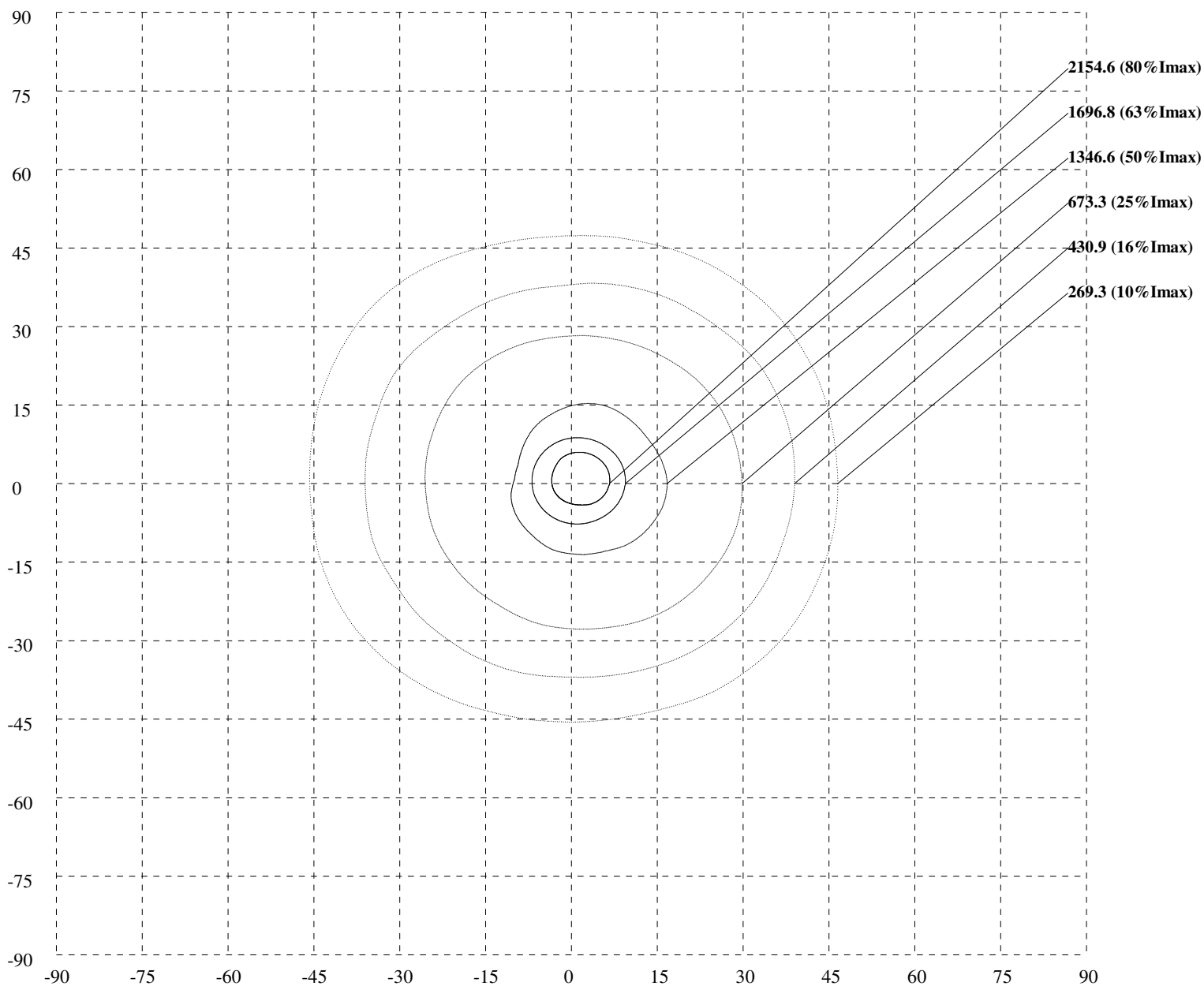
Light Distribution Curve[Unit: cd]



RP Lighting • Fans

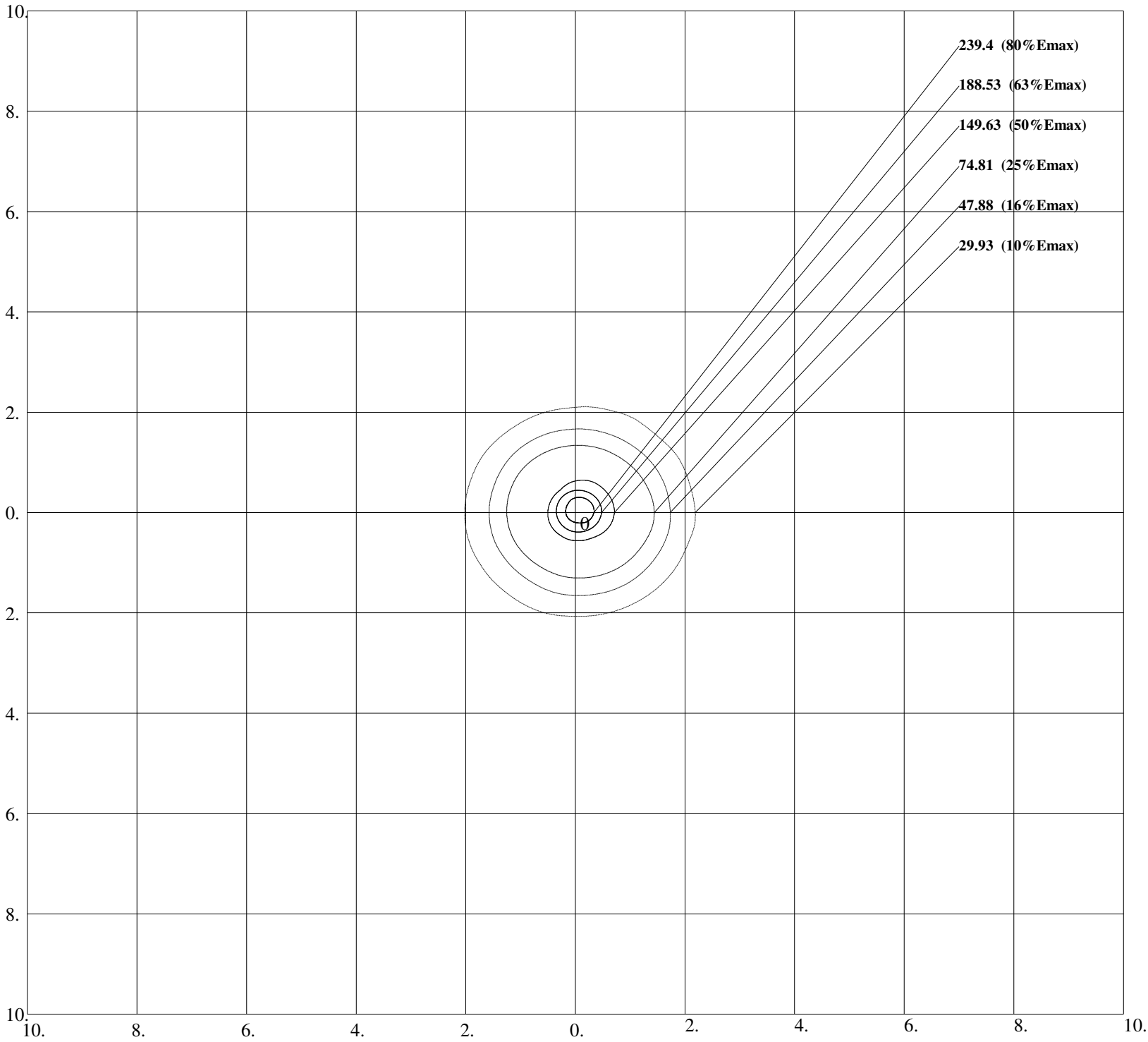
ISO-Candela V-H [Unit :cd]

8570-FS-23-4K



RP Lighting • Fans

Iso-Lux [Unit :lx] 8570-FS-23-4K



Units: lx
Height: 3 m
Max Illuminance : 299.25lx

RP Lighting • Fans

Lux-Distance Curve

