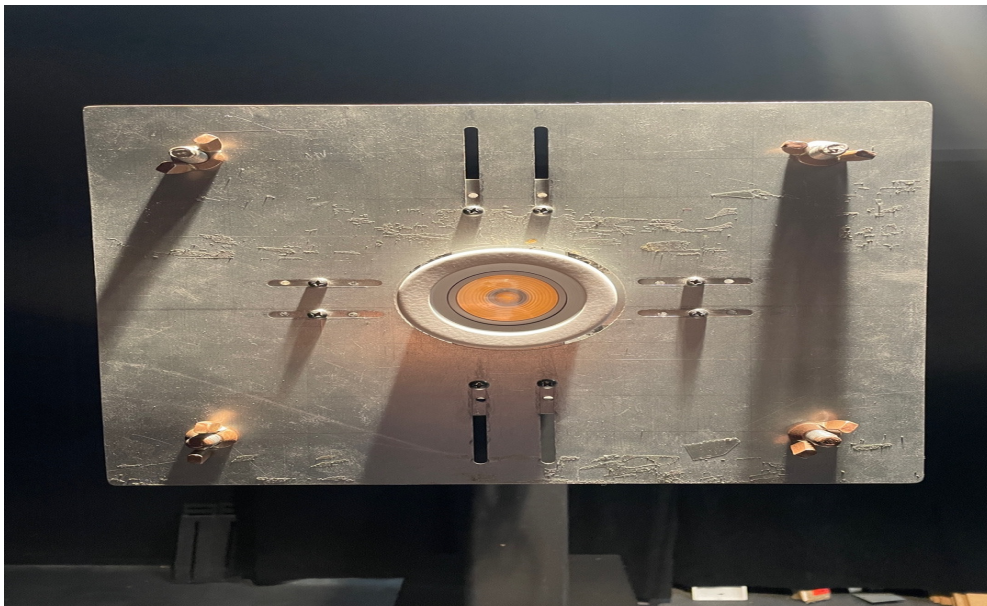


Test Report of Luminaire

Report No.:

Luminaire Type	8821-1-3K		
Lamp Type	LED		
Client		EUT NO.	CCT 2904K, CRI: 82.9Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.093
Power:	10.3	Power Factor	0.925
Frequency:	60Hz	Tc	3000K
Photometric Parameters			
Luminaire Flux	731.49 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	1768.883cd	Central Intensity	1768.883cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-73148.55%		
50%Imax Beam Width	C0_180[14.9 , -17.0] C90_270[17.0 , -15.2]		
Remark			

Luminaire Figure



RP Lighting + Fans

Photometric Data Table [Unit:cd] 8821-1-3K

C\G	0	5	10	15	20	25	30	35	40	45
0	1768.9	1545.5	1337.2	875.2	547.8	342.5	198.3	102.0	46.7	26.0
5	1768.9	1551.5	1341.5	879.9	549.4	343.5	199.3	102.0	46.6	25.9
10	1768.9	1558.8	1349.5	887.9	554.8	346.8	202.6	101.7	47.3	26.0
15	1768.9	1568.8	1356.9	897.9	559.1	352.5	204.9	100.1	48.5	26.6
20	1768.9	1578.2	1364.2	907.6	564.8	359.5	206.6	99.2	50.4	27.2
25	1768.9	1590.2	1372.6	920.3	572.5	366.2	206.3	99.7	52.0	27.8
30	1768.9	1602.5	1378.2	931.6	579.8	371.5	209.0	100.4	53.5	28.2
35	1768.9	1615.2	1383.9	941.6	584.8	375.5	212.0	100.9	53.6	28.4
40	1768.9	1627.2	1388.9	950.6	585.8	378.9	215.3	102.3	53.5	28.3
45	1768.9	1638.3	1393.6	958.0	585.8	381.2	218.3	103.5	52.5	28.0
50	1768.9	1647.9	1396.6	966.0	587.1	384.5	222.0	106.3	51.6	27.7
55	1768.9	1655.3	1403.9	973.7	588.8	386.5	226.6	110.3	51.2	27.6
60	1768.9	1661.3	1409.6	983.4	592.1	391.2	229.6	113.5	51.3	27.7
65	1768.9	1665.3	1416.3	991.4	596.2	396.2	234.0	116.0	52.3	28.0
70	1768.9	1665.6	1420.3	1001.0	602.8	400.9	235.3	116.1	54.2	28.9
75	1768.9	1662.3	1428.0	1011.7	613.2	404.9	236.7	115.5	56.4	30.0
80	1768.9	1657.9	1434.6	1023.7	625.5	413.2	239.3	114.6	58.7	31.4
85	1768.9	1648.6	1438.0	1034.1	635.9	420.6	239.3	113.5	61.1	32.3
90	1768.9	1637.3	1442.7	1044.4	645.9	426.9	240.3	113.9	62.9	33.2
95	1768.9	1625.9	1446.3	1050.8	654.6	431.6	241.0	114.5	63.7	33.7
100	1768.9	1615.6	1449.7	1054.8	659.9	433.3	242.0	117.1	64.1	33.9
105	1768.9	1604.9	1454.3	1060.1	660.9	431.6	243.7	120.1	64.2	34.0
110	1768.9	1595.2	1458.0	1063.8	660.6	430.3	246.3	123.9	64.1	33.7
115	1768.9	1588.5	1461.3	1065.1	659.9	428.6	247.3	128.1	64.5	33.2
120	1768.9	1585.9	1463.0	1069.1	659.2	428.6	249.3	130.4	64.9	32.9
125	1768.9	1583.5	1466.4	1072.5	660.2	428.9	251.7	132.4	65.8	33.2
130	1768.9	1586.5	1470.7	1075.5	663.9	429.9	251.3	133.1	67.2	34.1
135	1768.9	1589.2	1470.7	1078.5	667.9	432.9	252.0	133.2	68.4	35.4
140	1768.9	1596.9	1471.4	1082.2	672.3	437.6	254.0	131.4	69.6	36.9
145	1768.9	1605.2	1470.7	1085.5	675.6	440.9	254.4	130.0	70.5	38.1
150	1768.9	1615.6	1469.4	1085.2	675.9	441.9	253.3	129.1	71.3	39.1
155	1768.9	1628.2	1467.7	1081.5	673.3	440.6	253.7	129.7	71.5	39.5
160	1768.9	1644.6	1466.0	1076.5	666.6	435.3	253.0	132.4	72.0	39.3
165	1768.9	1660.0	1463.3	1070.5	658.6	427.3	252.7	134.8	71.8	38.5
170	1768.9	1674.0	1463.3	1064.1	648.9	421.2	251.7	138.4	72.3	37.7
175	1768.9	1687.0	1461.0	1058.5	640.9	414.9	252.7	140.7	72.4	37.0
180	1768.9	1698.0	1458.7	1052.4	632.2	409.6	251.7	141.7	72.4	36.7
185	1768.9	1703.7	1456.0	1047.8	627.9	405.6	250.3	141.1	71.6	36.8
190	1768.9	1704.3	1451.0	1041.8	624.9	403.2	249.7	139.7	71.0	37.1
195	1768.9	1700.7	1447.0	1036.1	623.2	402.6	248.0	136.3	71.2	37.6
200	1768.9	1694.0	1442.7	1030.4	622.5	402.9	244.7	132.2	71.5	38.3
205	1768.9	1683.0	1438.0	1023.4	621.5	402.2	240.3	128.7	71.3	38.6
210	1768.9	1668.3	1435.0	1012.7	617.2	400.2	236.7	126.0	70.8	38.5
215	1768.9	1651.9	1429.3	1000.4	609.8	394.9	234.7	125.8	70.1	37.9
220	1768.9	1633.2	1424.0	989.7	599.8	385.5	232.7	125.9	69.1	37.2
225	1768.9	1615.2	1415.6	978.7	591.8	377.9	231.7	126.6	67.5	36.1
230	1768.9	1599.2	1406.3	965.7	583.5	371.8	229.3	128.1	66.3	35.2
235	1768.9	1581.5	1398.9	952.6	576.5	367.2	226.0	127.9	65.1	34.4

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8821-1-3K

240	1768.9	1568.2	1389.2	943.0	571.5	363.2	222.0	126.5	64.1	33.9
245	1768.9	1556.1	1381.6	933.6	570.1	359.8	217.6	123.2	63.4	33.7
250	1768.9	1546.8	1373.6	925.6	570.1	359.2	213.0	119.1	63.1	33.6
255	1768.9	1540.1	1365.5	917.3	571.1	359.2	208.0	114.1	63.1	33.9
260	1768.9	1532.8	1359.9	910.3	573.5	361.2	203.3	110.8	62.8	33.9
265	1768.9	1528.8	1352.2	902.9	576.1	358.8	199.3	109.3	62.5	34.0
270	1768.9	1523.4	1342.2	894.6	574.8	355.8	195.3	107.4	62.3	34.0
275	1768.9	1519.1	1334.5	885.6	569.1	351.2	192.9	107.4	61.5	33.4
280	1768.9	1515.4	1327.5	876.9	563.1	345.1	190.9	107.0	60.4	32.6
285	1768.9	1511.4	1319.8	868.9	556.4	339.5	189.3	107.4	58.4	31.4
290	1768.9	1511.1	1316.1	863.5	552.4	335.1	189.3	108.6	57.0	30.5
295	1768.9	1509.1	1309.5	857.8	547.8	332.1	188.6	108.8	54.9	29.6
300	1768.9	1506.4	1304.1	854.5	546.8	330.5	187.6	108.2	53.6	29.0
305	1768.9	1507.4	1302.1	852.8	547.4	329.5	186.9	105.7	52.9	28.7
310	1768.9	1507.7	1299.5	853.2	551.4	330.5	187.3	103.6	52.8	28.7
315	1768.9	1508.7	1298.5	854.5	554.1	333.5	185.6	101.0	53.7	28.8
320	1768.9	1509.4	1297.1	856.2	557.4	337.5	183.6	99.1	54.3	29.1
325	1768.9	1511.1	1298.8	858.2	560.1	340.5	182.3	98.4	54.6	29.2
330	1768.9	1513.1	1301.1	859.2	561.1	343.5	183.6	97.6	54.6	29.1
335	1768.9	1516.1	1303.1	859.2	560.8	343.8	186.3	97.7	53.7	28.8
340	1768.9	1521.1	1306.5	859.9	556.8	342.5	187.9	97.8	52.9	28.4
345	1768.9	1524.8	1310.5	860.9	551.8	341.5	191.3	98.0	51.1	27.7
350	1768.9	1529.8	1315.5	862.9	548.4	340.8	193.9	99.2	49.4	27.0
355	1768.9	1534.1	1322.5	865.9	546.1	340.5	195.9	100.1	47.6	26.3
360	1768.9	1545.5	1337.2	875.2	547.8	342.5	198.3	102.0	46.7	26.0

C\G	50	55	60	65	70	75	80	85	90
0	15.2	11.4	10.1	8.4	6.9	4.1	2.6	1.2	0.4
5	15.1	11.2	9.9	8.3	6.9	4.1	2.6	1.1	0.4
10	15.0	11.2	9.6	8.2	6.8	4.1	2.6	1.1	0.4
15	15.2	11.4	9.5	8.1	6.7	4.0	2.5	1.1	0.4
20	15.4	11.6	9.4	8.0	6.7	4.0	2.5	1.1	0.4
25	15.7	11.8	9.5	8.0	6.7	4.0	2.5	1.1	0.4
30	16.0	11.7	9.5	7.9	6.7	4.0	2.5	1.1	0.4
35	16.1	11.6	9.4	7.9	6.6	4.0	2.5	1.2	0.4
40	15.9	11.7	9.5	7.9	6.7	3.9	2.5	1.1	0.4
45	15.8	11.7	9.5	7.9	6.6	3.9	2.5	1.2	0.4
50	15.6	11.5	9.5	8.0	6.6	3.9	2.5	1.2	0.4
55	15.5	11.3	9.5	8.0	6.7	3.9	2.5	1.2	0.4
60	15.5	11.1	9.7	8.1	6.7	3.9	2.6	1.2	0.4
65	15.6	11.3	10.1	8.2	6.8	3.9	2.6	1.2	0.4
70	15.9	11.6	10.3	8.2	6.8	4.0	2.6	1.3	0.4
75	16.3	12.3	10.3	8.1	6.8	4.0	2.6	1.3	0.4
80	16.7	13.1	10.3	8.2	6.9	4.0	2.7	1.3	0.4
85	17.0	13.8	10.2	8.2	6.9	4.0	2.7	1.4	0.4
90	17.3	14.1	10.3	8.3	7.0	4.0	2.7	1.4	0.4
95	17.8	14.4	10.4	8.4	7.1	4.1	2.7	1.4	0.4
100	17.8	14.3	10.5	8.5	7.2	4.1	2.8	1.4	0.4

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8821-1-3K

105	17.6	13.7	10.7	8.6	7.2	4.1	2.9	1.5	0.4
110	17.7	13.1	10.9	8.8	7.2	4.2	2.9	1.5	0.4
115	17.8	12.7	11.1	9.1	7.4	4.2	2.9	1.5	0.4
120	17.9	12.5	11.2	9.3	7.4	4.3	3.0	1.5	0.4
125	18.1	12.5	11.3	9.4	7.5	4.3	3.0	1.6	0.4
130	18.5	12.9	11.5	9.3	7.6	4.4	3.0	1.6	0.4
135	19.1	13.6	11.5	9.3	7.7	4.4	3.1	1.6	0.4
140	19.6	14.4	11.6	9.3	7.8	4.4	3.1	1.7	0.4
145	20.0	15.1	11.6	9.3	8.0	4.5	3.2	1.7	0.5
150	20.5	15.5	11.5	9.4	7.9	4.6	3.2	1.7	0.6
155	20.9	15.8	11.4	9.5	8.0	4.6	3.3	1.8	0.6
160	21.0	15.6	11.5	9.6	8.1	4.7	3.3	1.8	0.6
165	20.9	14.9	11.7	9.7	8.2	4.7	3.4	1.8	0.7
170	20.9	14.5	11.9	9.8	8.2	4.8	3.4	1.9	0.7
175	21.0	14.2	12.3	10.0	8.3	4.8	3.4	1.9	0.7
180	21.1	14.2	12.4	10.1	8.4	4.9	3.5	1.9	0.7
185	21.2	14.1	12.3	10.0	8.3	4.9	3.5	1.9	0.7
190	21.3	14.4	12.3	10.0	8.4	5.0	3.5	1.9	0.7
195	21.7	15.0	12.1	10.1	8.4	5.0	3.6	2.0	0.8
200	22.0	15.6	11.7	9.9	8.5	5.1	3.6	2.0	0.7
205	22.3	16.0	11.9	10.0	8.4	5.1	3.6	2.0	0.8
210	22.4	16.2	12.2	10.1	8.5	5.1	3.6	2.0	0.8
215	22.4	16.1	12.0	10.0	8.4	5.2	3.6	2.0	0.7
220	22.0	15.7	12.1	10.0	8.4	5.2	3.6	2.0	0.6
225	21.4	15.3	12.1	10.1	8.5	5.2	3.6	2.0	0.5
230	20.8	14.7	12.2	10.2	8.5	5.2	3.6	2.0	0.5
235	20.4	14.3	12.4	10.2	8.4	5.2	3.6	2.0	0.6
240	20.4	14.2	12.5	10.3	8.4	5.2	3.6	2.0	0.6
245	20.1	14.3	12.5	10.2	8.4	5.2	3.6	2.0	0.5
250	20.1	14.7	12.2	10.1	8.4	5.2	3.6	1.9	0.5
255	20.2	15.4	12.1	10.0	8.3	5.2	3.6	1.9	0.5
260	20.4	16.0	12.0	10.0	8.3	5.2	3.5	1.9	0.4
265	20.5	16.0	11.8	9.7	8.2	5.1	3.5	1.9	0.4
270	20.5	16.5	11.7	9.7	8.1	5.1	3.5	1.8	0.4
275	20.3	16.5	11.7	9.6	8.1	5.0	3.4	1.8	0.4
280	19.8	15.8	11.6	9.7	8.0	5.0	3.4	1.8	0.4
285	19.0	14.8	11.7	9.8	8.0	4.9	3.3	1.7	0.4
290	18.4	14.2	11.8	9.7	8.0	4.9	3.3	1.7	0.4
295	17.9	13.7	11.8	9.6	7.9	4.8	3.2	1.6	0.4
300	17.5	13.4	11.8	9.6	7.8	4.8	3.1	1.6	0.4
305	17.2	13.2	11.5	9.4	7.7	4.7	3.1	1.5	0.4
310	17.2	13.3	11.4	9.4	7.8	4.7	3.0	1.5	0.4
315	17.3	13.4	11.0	9.2	7.6	4.6	3.0	1.4	0.4
320	17.5	13.8	10.6	9.1	7.6	4.6	2.9	1.4	0.4
325	17.6	14.5	10.6	9.0	7.6	4.5	2.9	1.3	0.4
330	17.4	14.4	10.5	8.9	7.5	4.5	2.8	1.3	0.4
335	17.3	14.0	10.4	8.8	7.4	4.4	2.8	1.3	0.4
340	16.9	13.7	10.4	8.7	7.3	4.3	2.7	1.2	0.4
345	16.3	13.2	10.3	8.6	7.3	4.3	2.7	1.2	0.4

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8821-1-3K

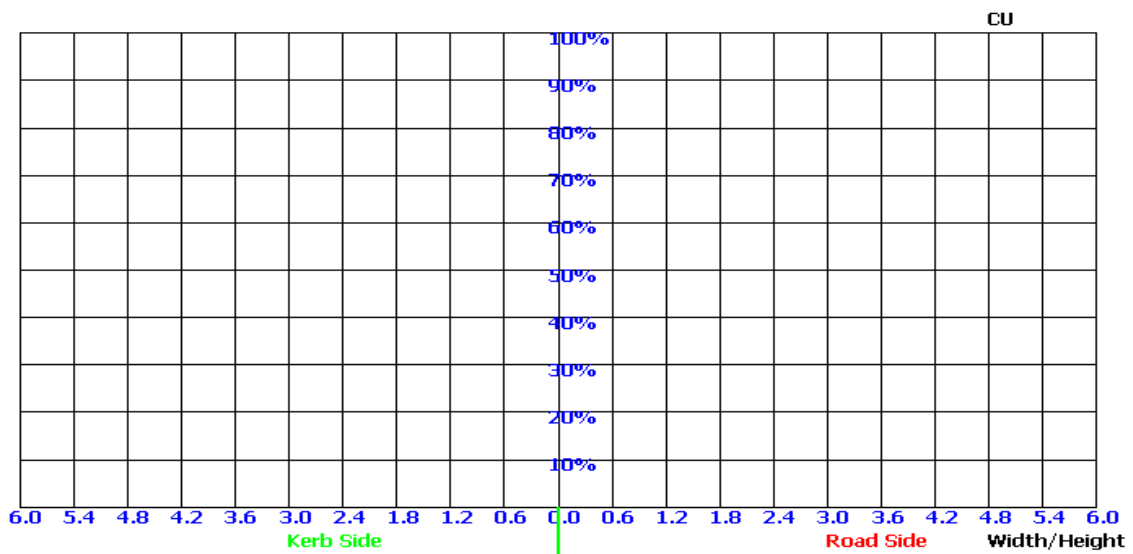
350	15.9	12.4	10.2	8.5	7.1	4.2	2.7	1.2	0.4
355	15.5	11.7	10.2	8.4	7.0	4.2	2.6	1.2	0.4
360	15.2	11.4	10.1	8.4	6.9	4.1	2.6	1.2	0.4

RP Lighting + Fans

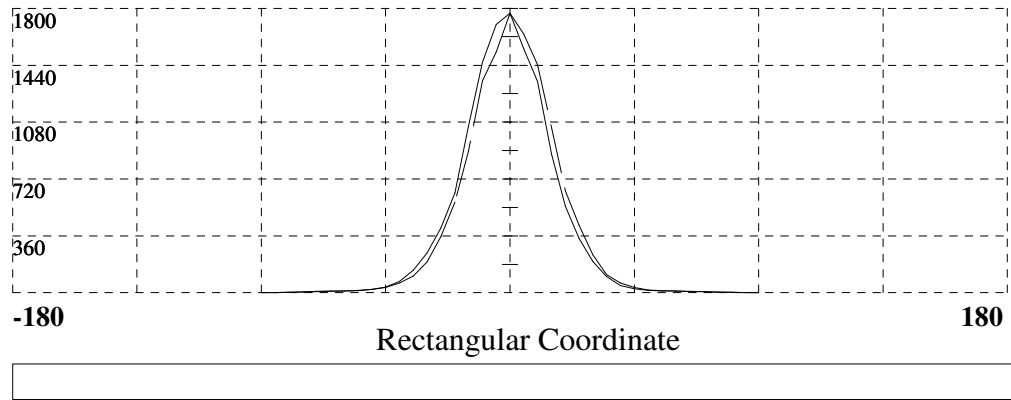
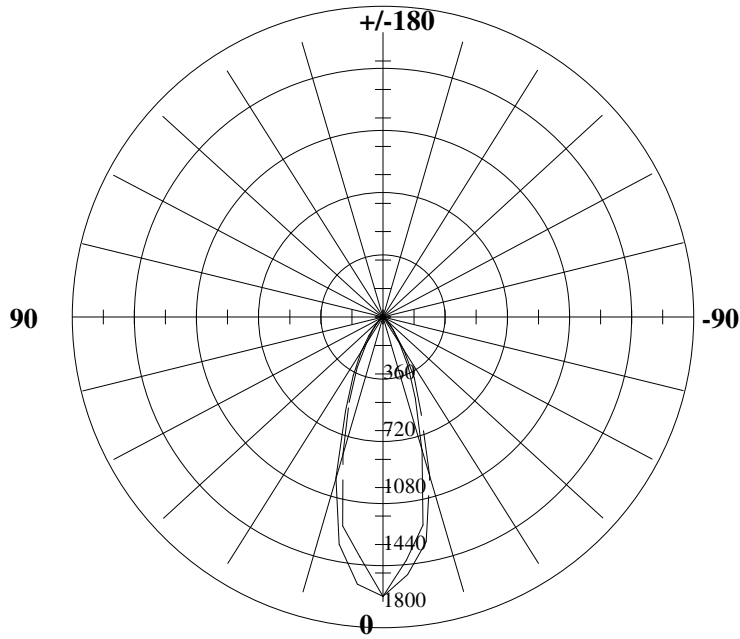
Zonal Flux 8821-1-3K

Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	1768.88	0.00	0.00	0.00	0.00
5	1593.74	40.20	40.20	-4019.93	-4019.93
10	1393.93	106.88	147.08	-10687.84	-14707.76
15	966.43	140.01	287.09	-14001.48	-28709.24
20	600.00	129.10	416.19	-12909.58	-41618.84
25	383.00	103.10	519.29	-10309.92	-51928.76
30	221.71	76.53	595.81	-7652.68	-59581.46
35	116.21	49.76	645.58	-4976.08	-64557.54
40	60.62	29.50	675.08	-2950.35	-67507.90
45	32.35	17.22	692.29	-1721.50	-69229.38
50	18.44	10.26	702.56	-1026.26	-70255.64
55	13.73	7.00	709.55	-699.53	-70955.18
60	11.08	5.73	715.29	-573.50	-71528.68
65	9.15	4.92	720.20	-491.66	-72020.36
70	7.63	4.25	724.45	-424.72	-72445.06
75	4.55	3.18	727.63	-318.15	-72763.18
80	3.07	2.04	729.67	-203.68	-72966.85
85	1.57	1.26	730.93	-125.90	-73092.74
90	0.47	0.56	731.49	-55.81	-73148.57

RP Lighting + Fans
Coefficient Utilization Curve 8821-1-3K

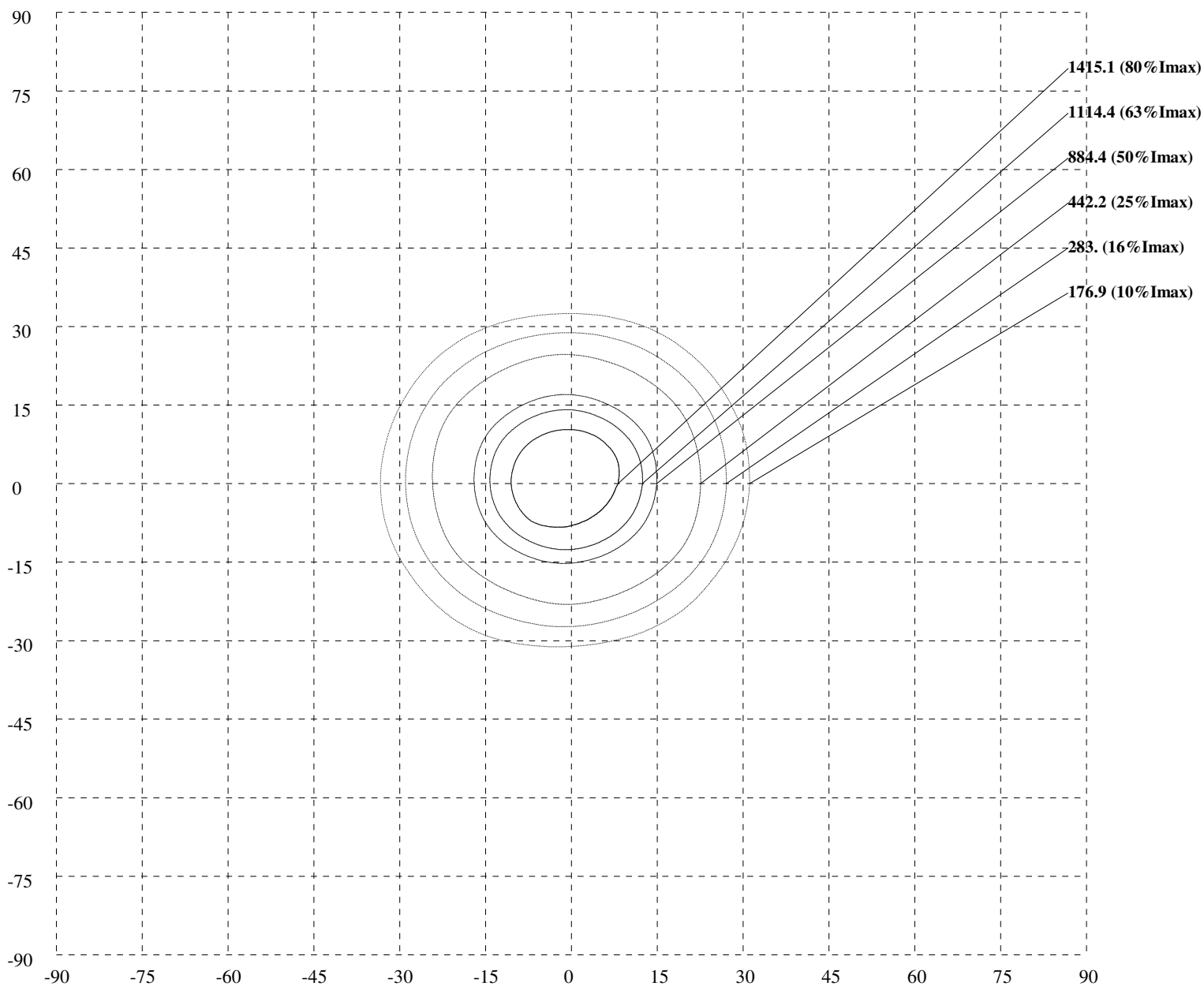


Light Distribution Curve[Unit: cd]



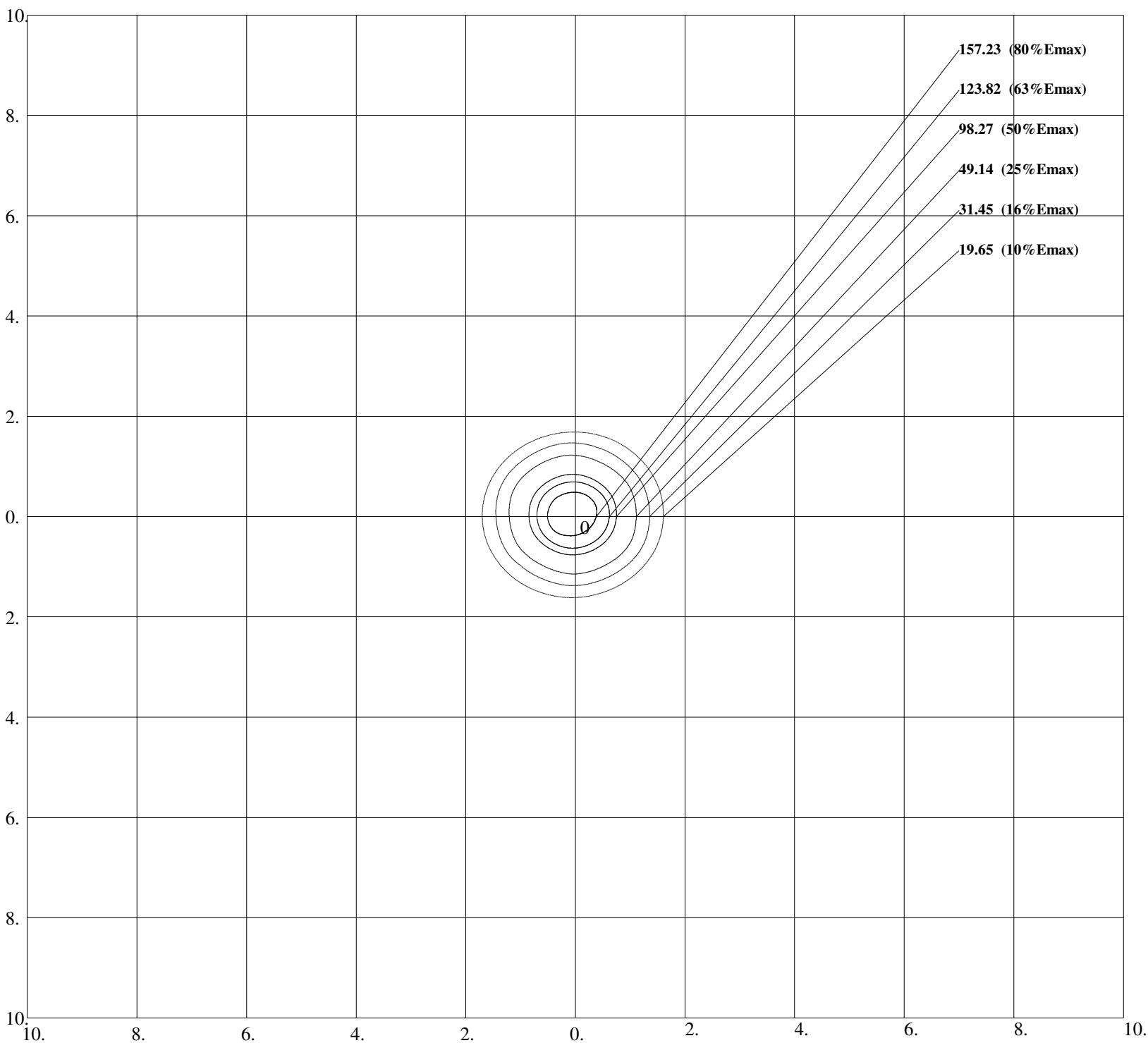
RP Lighting + Fans

ISO-Candela V-H [Unit :cd]8821-1-3K



RP Lighting + Fans

Iso-Lux [Unit :lx]8821-1-3K



Units: lx
Height: 3 m
Max Illuminance : 196.54lx

RP Lighting + Fans
Lux-Distance Curve

