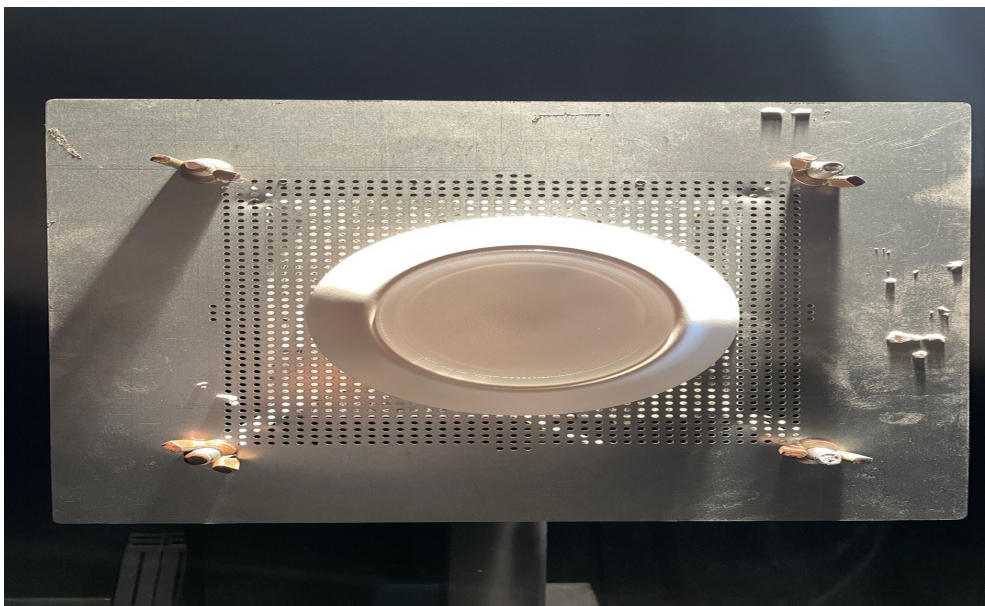


Test Report of Luminaire

Report No.:

Luminaire Type	8538WH-80-2700K		
Lamp Type	LED		
Client		EUT NO.	CCT: 2668K, CRI: 81.9Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.134
Power:	14.6	Power Factor	0.908
Frequency:	60Hz	Tc	2700K
Photometric Parameters			
Luminaire Flux	884.20 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	357.185cd	Central Intensity	357.185cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	-0.01%		
Downward Flux Ratio	-88419.94%		
50%Imax Beam Width	C0_180[49.6 , -49.9] C90_270[49.5 , -50.0]		
Remark			

Luminaire Figure



RP Lighting+ Fans

Photometric Data Table [Unit:cd] 8538WH-80-2700K

C\G	0	5	10	15	20	25	30	35	40	45
0	357.2	353.0	344.0	331.6	315.5	296.7	275.2	251.9	227.3	202.0
5	357.2	352.9	344.0	331.5	315.5	296.6	275.0	251.7	227.1	201.8
10	357.2	352.8	343.9	331.4	315.3	296.5	274.9	251.5	227.0	201.6
15	357.2	352.9	343.8	331.5	315.2	296.3	274.7	251.3	226.7	201.4
20	357.2	352.8	343.8	331.3	315.1	296.2	274.6	251.2	226.6	201.3
25	357.2	352.7	343.7	331.2	315.1	296.0	274.5	251.1	226.5	201.1
30	357.2	352.7	343.7	331.2	315.0	296.0	274.4	251.1	226.4	201.0
35	357.2	352.7	343.7	331.1	315.0	295.9	274.5	251.0	226.4	201.0
40	357.2	352.6	343.7	331.1	314.9	295.9	274.3	250.9	226.3	200.9
45	357.2	352.5	343.7	331.1	314.9	295.8	274.3	250.9	226.3	200.9
50	357.2	352.6	343.6	331.1	315.0	295.8	274.3	250.9	226.3	200.9
55	357.2	352.6	343.7	331.0	314.9	296.0	274.4	251.0	226.3	200.9
60	357.2	352.6	343.6	331.2	315.1	296.0	274.5	251.0	226.4	201.0
65	357.2	352.7	343.7	331.1	315.1	296.2	274.4	251.1	226.4	201.1
70	357.2	352.6	343.7	331.3	315.2	296.1	274.6	251.2	226.5	201.1
75	357.2	352.6	343.7	331.3	315.3	296.2	274.7	251.4	226.7	201.3
80	357.2	352.5	343.8	331.4	315.3	296.3	274.8	251.4	226.8	201.4
85	357.2	352.8	343.8	331.5	315.5	296.5	274.9	251.6	227.0	201.5
90	357.2	352.6	343.9	331.6	315.6	296.7	275.0	251.8	227.1	201.7
95	357.2	352.7	344.0	331.6	315.8	296.7	275.3	251.9	227.3	201.8
100	357.2	352.7	344.0	331.7	315.8	296.9	275.3	252.1	227.4	202.0
105	357.2	352.8	344.1	331.9	316.0	297.1	275.5	252.2	227.5	202.1
110	357.2	352.7	344.1	332.0	316.1	297.2	275.8	252.4	227.8	202.3
115	357.2	352.7	344.2	332.2	316.1	297.4	276.0	252.5	227.9	202.5
120	357.2	352.8	344.3	332.2	316.4	297.6	276.2	252.7	228.1	202.6
125	357.2	352.8	344.3	332.3	316.4	297.6	276.4	252.9	228.2	202.8
130	357.2	352.9	344.4	332.4	316.6	297.8	276.4	253.0	228.4	202.9
135	357.2	352.8	344.4	332.4	316.7	297.9	276.6	253.2	228.6	203.0
140	357.2	352.8	344.5	332.6	316.8	298.1	276.7	253.3	228.6	203.2
145	357.2	352.7	344.6	332.7	317.0	298.2	276.9	253.5	228.9	203.4
150	357.2	352.9	344.6	332.7	317.0	298.3	277.0	253.6	228.9	203.4
155	357.2	352.8	344.7	332.7	317.0	298.4	277.0	253.7	229.1	203.5
160	357.2	352.7	344.6	332.7	317.1	298.5	277.2	253.8	229.1	203.6
165	357.2	352.9	344.7	332.8	317.2	298.5	277.5	253.9	229.2	203.7
170	357.2	352.9	344.7	332.8	317.3	298.6	277.4	254.0	229.3	203.8
175	357.2	352.8	344.7	332.9	317.4	298.6	277.5	254.0	229.4	203.8
180	357.2	352.8	344.8	332.9	317.4	298.7	277.5	254.1	229.4	203.9
185	357.2	352.9	344.8	333.0	317.5	298.7	277.4	254.2	229.5	203.9
190	357.2	352.7	344.9	332.9	317.4	298.7	277.4	254.2	229.5	203.9
195	357.2	352.6	344.8	332.9	317.4	298.7	277.4	254.2	229.5	203.9
200	357.2	352.7	344.9	332.9	317.4	298.7	277.4	254.2	229.5	204.0
205	357.2	352.8	344.9	333.0	317.4	298.7	277.5	254.1	229.4	204.0
210	357.2	352.9	344.8	332.9	317.4	298.7	277.4	254.1	229.5	203.9
215	357.2	352.8	344.8	332.9	317.3	298.7	277.4	254.1	229.5	204.0
220	357.2	352.9	344.7	332.9	317.4	298.6	277.4	254.1	229.4	204.0
225	357.2	352.8	344.7	332.9	317.3	298.6	277.3	254.1	229.4	204.0
230	357.2	352.8	344.7	332.8	317.3	298.6	277.4	254.0	229.4	204.0
235	357.2	352.7	344.7	332.9	317.3	298.6	277.3	254.0	229.4	204.0

RP Lighting+ Fans

Photometric Data Table [Unit:cd] 8538WH-80-2700K

240	357.2	352.7	344.7	332.8	317.3	298.5	277.3	254.0	229.4	204.0
245	357.2	352.7	344.7	332.8	317.2	298.6	277.3	254.1	229.5	204.0
250	357.2	352.6	344.6	332.8	317.2	298.5	277.3	254.0	229.4	204.1
255	357.2	352.6	344.6	332.7	317.1	298.6	277.3	254.1	229.5	204.1
260	357.2	352.6	344.5	332.7	317.1	298.5	277.3	254.0	229.5	204.1
265	357.2	352.6	344.5	332.6	317.1	298.5	277.3	254.0	229.5	204.1
270	357.2	352.4	344.5	332.6	317.1	298.5	277.3	254.0	229.5	204.1
275	357.2	352.4	344.4	332.5	317.0	298.4	277.2	254.0	229.5	204.1
280	357.2	352.4	344.4	332.5	316.9	298.5	277.1	254.0	229.6	204.1
285	357.2	352.4	344.3	332.4	316.8	298.3	277.1	253.9	229.4	204.0
290	357.2	352.3	344.2	332.4	316.8	298.3	277.0	253.9	229.4	204.1
295	357.2	352.2	344.1	332.3	316.8	298.2	277.0	253.8	229.3	204.1
300	357.2	352.3	344.0	332.2	316.7	298.1	276.9	253.7	229.3	204.0
305	357.2	352.2	344.0	332.1	316.6	298.0	276.8	253.7	229.1	203.9
310	357.2	352.1	343.9	332.0	316.5	297.9	276.7	253.5	229.1	203.8
315	357.2	352.0	343.9	331.9	316.3	297.9	276.6	253.5	228.9	203.7
320	357.2	352.0	343.8	331.9	316.2	297.6	276.5	253.3	228.8	203.5
325	357.2	351.9	343.7	331.8	316.1	297.5	276.3	253.1	228.7	203.4
330	357.2	351.9	343.6	331.6	316.0	297.4	276.2	253.0	228.4	203.2
335	357.2	351.8	343.5	331.6	315.8	297.2	275.9	252.7	228.3	203.0
340	357.2	351.8	343.5	331.4	315.7	297.1	275.7	252.5	228.1	202.8
345	357.2	351.8	343.4	331.3	315.6	296.9	275.6	252.3	227.9	202.6
350	357.2	351.6	343.3	331.3	315.5	296.7	275.4	252.1	227.7	202.4
355	357.2	351.6	343.3	331.1	315.4	296.5	275.3	251.9	227.5	202.3
360	357.2	353.0	344.0	331.6	315.5	296.7	275.2	251.9	227.3	202.0

C\G	50	55	60	65	70	75	80	85	90
0	176.4	150.7	125.3	100.1	75.5	52.0	30.5	12.9	1.1
5	176.2	150.5	125.1	100.0	75.4	51.9	30.5	12.9	1.1
10	176.0	150.3	124.9	99.8	75.2	51.7	30.4	12.8	1.1
15	175.8	150.2	124.8	99.6	75.1	51.6	30.2	12.7	1.1
20	175.7	150.0	124.6	99.5	75.0	51.5	30.1	12.6	1.1
25	175.5	149.8	124.4	99.4	74.8	51.4	30.0	12.5	1.1
30	175.5	149.7	124.3	99.2	74.7	51.2	29.9	12.4	1.1
35	175.3	149.7	124.2	99.1	74.6	51.2	29.8	12.3	1.1
40	175.3	149.6	124.1	99.0	74.5	51.0	29.7	12.2	1.1
45	175.3	149.5	124.1	99.0	74.4	50.9	29.6	12.2	1.1
50	175.3	149.6	124.1	98.9	74.4	50.8	29.5	12.0	1.0
55	175.2	149.6	124.1	98.9	74.3	50.8	29.4	12.0	1.0
60	175.2	149.6	124.1	98.9	74.3	50.7	29.4	11.9	1.0
65	175.3	149.6	124.1	98.9	74.2	50.7	29.3	11.8	1.0
70	175.3	149.6	124.1	98.9	74.2	50.7	29.3	11.8	1.0
75	175.5	149.7	124.2	98.9	74.2	50.6	29.2	11.7	1.0
80	175.7	149.8	124.2	99.0	74.2	50.6	29.2	11.7	1.0
85	175.8	150.0	124.3	99.0	74.3	50.6	29.1	11.6	0.9
90	175.9	150.0	124.4	99.1	74.3	50.6	29.1	11.6	0.9
95	176.0	150.2	124.5	99.2	74.3	50.6	29.1	11.6	0.9
100	176.2	150.3	124.6	99.2	74.3	50.6	29.1	11.5	0.9

RP Lighting+ Fans

Photometric Data Table

[Unit:cd] 8538WH-80-2700K

105	176.3	150.4	124.7	99.3	74.4	50.6	29.0	11.5	0.9
110	176.4	150.6	124.8	99.4	74.4	50.6	29.0	11.5	0.9
115	176.6	150.8	124.9	99.4	74.5	50.7	29.0	11.5	0.8
120	176.7	150.9	125.0	99.5	74.6	50.7	29.0	11.5	0.8
125	176.9	151.0	125.1	99.6	74.6	50.7	29.0	11.5	0.8
130	177.1	151.1	125.2	99.7	74.7	50.7	29.0	11.4	0.8
135	177.2	151.2	125.4	99.7	74.7	50.8	29.0	11.4	0.7
140	177.3	151.3	125.4	99.8	74.8	50.8	29.1	11.4	0.7
145	177.4	151.4	125.6	99.9	74.9	50.9	29.1	11.4	0.7
150	177.5	151.5	125.6	100.0	74.9	50.9	29.1	11.4	0.7
155	177.7	151.6	125.7	100.1	75.0	51.0	29.2	11.5	0.7
160	177.7	151.7	125.8	100.2	75.1	51.1	29.3	11.5	0.7
165	177.8	151.8	125.8	100.3	75.2	51.1	29.4	11.6	0.6
170	177.9	151.8	125.9	100.4	75.3	51.2	29.4	11.7	0.6
175	177.9	151.9	126.0	100.4	75.4	51.3	29.5	11.8	0.6
180	178.1	151.9	126.1	100.5	75.4	51.4	29.6	11.9	0.6
185	178.1	151.9	126.2	100.6	75.5	51.5	29.7	12.0	0.6
190	178.1	152.0	126.2	100.7	75.6	51.6	29.8	12.0	0.6
195	178.1	152.1	126.2	100.7	75.7	51.7	29.9	12.1	0.7
200	178.1	152.1	126.3	100.7	75.8	51.8	30.0	12.2	0.7
205	178.2	152.1	126.3	100.8	75.8	51.9	30.1	12.3	0.7
210	178.2	152.2	126.4	100.9	75.9	52.0	30.2	12.4	0.7
215	178.2	152.2	126.5	101.0	76.0	52.1	30.3	12.5	0.7
220	178.2	152.3	126.5	101.0	76.1	52.2	30.4	12.5	0.7
225	178.2	152.2	126.5	101.1	76.2	52.3	30.5	12.6	0.7
230	178.1	152.2	126.6	101.2	76.3	52.4	30.6	12.7	0.8
235	178.2	152.2	126.7	101.2	76.4	52.5	30.7	12.8	0.8
240	178.2	152.4	126.7	101.3	76.4	52.6	30.8	12.8	0.9
245	178.2	152.4	126.8	101.3	76.5	52.6	30.9	12.9	0.9
250	178.3	152.5	126.8	101.5	76.6	52.7	31.0	13.0	0.9
255	178.4	152.5	126.9	101.5	76.7	52.8	31.1	13.1	1.0
260	178.4	152.6	127.0	101.6	76.7	52.9	31.1	13.2	1.0
265	178.4	152.5	127.0	101.7	76.8	53.0	31.2	13.2	1.0
270	178.4	152.6	127.0	101.8	76.9	53.1	31.3	13.3	1.1
275	178.4	152.7	127.1	101.8	77.0	53.1	31.3	13.3	1.1
280	178.5	152.6	127.1	101.8	77.0	53.1	31.4	13.4	1.1
285	178.5	152.7	127.1	101.9	77.0	53.2	31.4	13.4	1.2
290	178.5	152.7	127.1	101.8	77.0	53.2	31.4	13.5	1.2
295	178.4	152.7	127.1	101.9	77.0	53.2	31.4	13.5	1.2
300	178.4	152.7	127.1	101.8	77.0	53.1	31.4	13.4	1.2
305	178.3	152.6	127.0	101.7	76.9	53.1	31.4	13.4	1.2
310	178.2	152.6	126.9	101.7	76.8	53.1	31.3	13.4	1.2
315	178.1	152.4	126.8	101.5	76.7	53.0	31.2	13.3	1.2
320	177.9	152.3	126.7	101.4	76.7	52.9	31.2	13.3	1.2
325	177.8	152.1	126.6	101.3	76.6	52.8	31.1	13.2	1.1
330	177.6	152.0	126.4	101.2	76.5	52.7	31.0	13.2	1.1
335	177.4	151.8	126.3	101.0	76.3	52.6	31.0	13.1	1.1
340	177.2	151.6	126.0	100.8	76.1	52.5	30.9	13.1	1.1
345	177.0	151.4	125.8	100.7	76.0	52.3	30.8	13.1	1.1

RP Lighting+ Fans

Photometric Data Table [Unit:cd] 8538WH-80-2700K

350	176.8	151.1	125.6	100.5	75.9	52.3	30.7	13.0	1.1
355	176.6	150.9	125.5	100.3	75.7	52.1	30.6	13.0	1.1
360	176.4	150.7	125.3	100.1	75.5	52.0	30.5	12.9	1.1

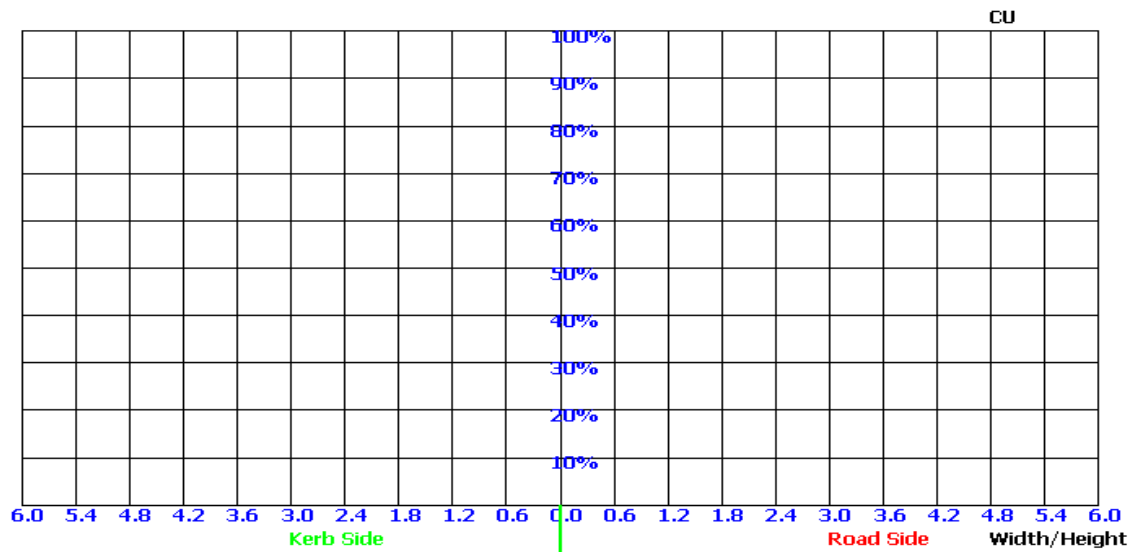
RP Lighting+ Fans

Zonal Flux 8538WH-80-2700K

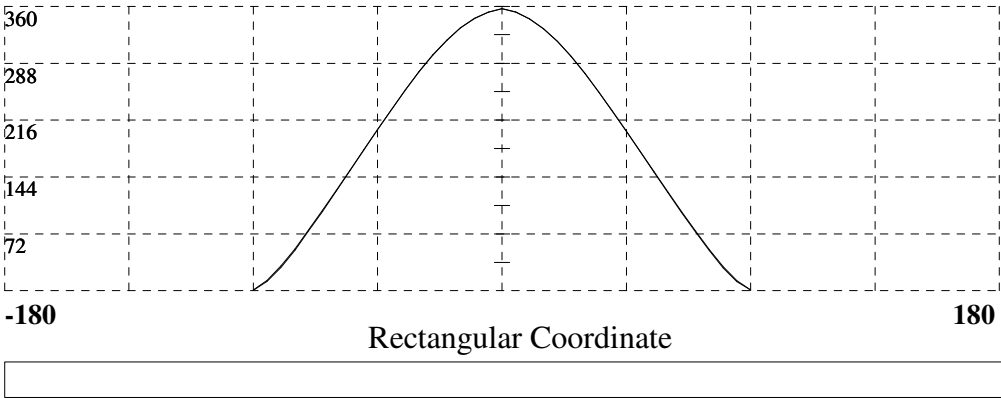
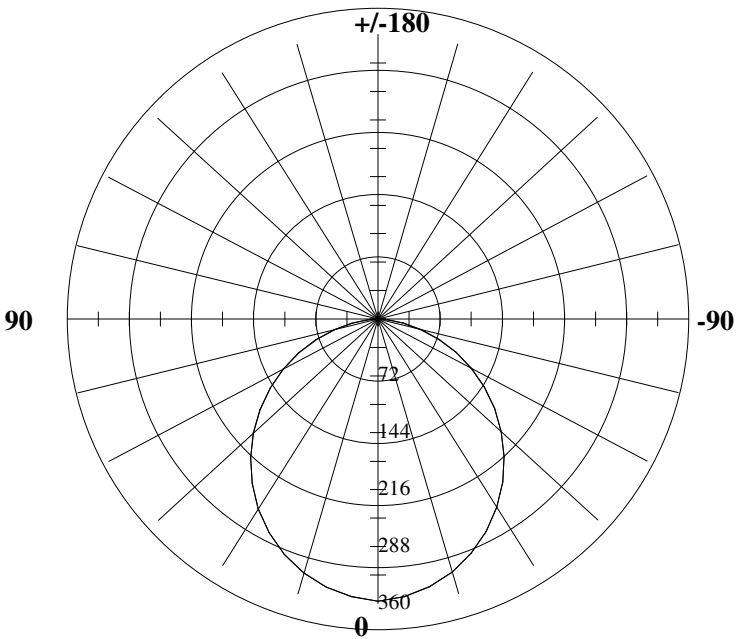
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	357.19	0.00	0.00	0.00	0.00
5	352.55	8.48	8.48	-848.47	-848.47
10	344.19	24.92	33.41	-2492.47	-3340.94
15	332.09	40.12	73.53	-4011.63	-7352.58
20	316.34	53.44	126.97	-5343.95	-12696.52
25	297.58	64.39	191.35	-6438.88	-19135.40
30	276.24	72.62	263.97	-7261.75	-26397.15
35	252.92	77.92	341.89	-7792.28	-34189.43
40	228.32	80.29	422.19	-8029.23	-42218.66
45	202.92	79.85	502.03	-7984.80	-50203.47
50	177.18	76.81	578.84	-7680.51	-57883.97
55	151.35	71.43	650.27	-7143.40	-65027.35
60	125.71	64.04	714.31	-6404.10	-71431.47
65	100.36	54.96	769.27	-5495.83	-76927.30
70	75.54	44.54	813.81	-4453.89	-81381.20
75	51.76	33.27	847.08	-3327.30	-84708.47
80	30.13	21.91	869.00	-2191.14	-86899.60
85	12.39	11.55	880.55	-1155.44	-88055.05
90	0.93	3.65	884.20	-364.82	-88419.87

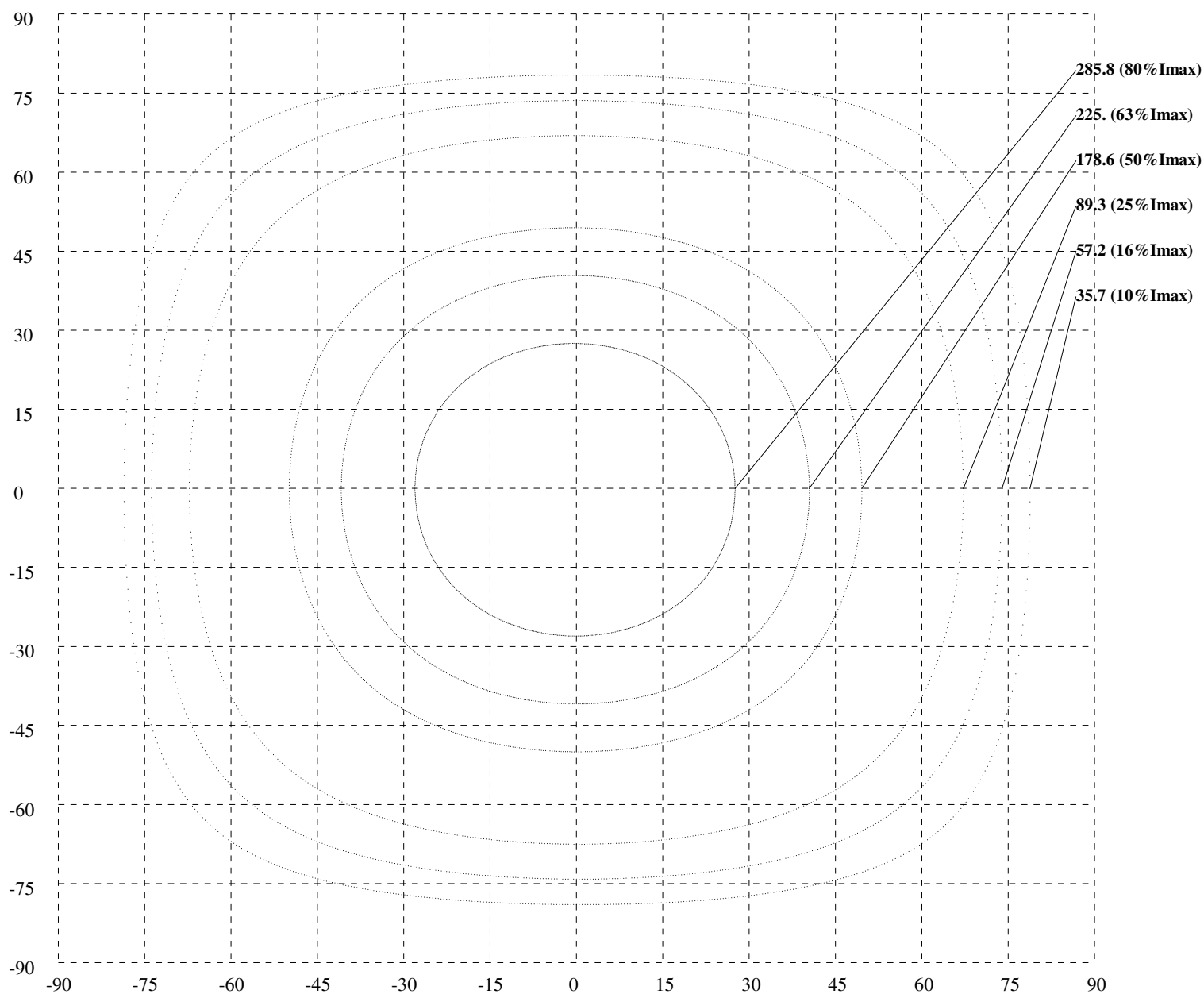
RP Lighting+ Fans

Coefficient Utilization Curve 8538WH-80-2700K



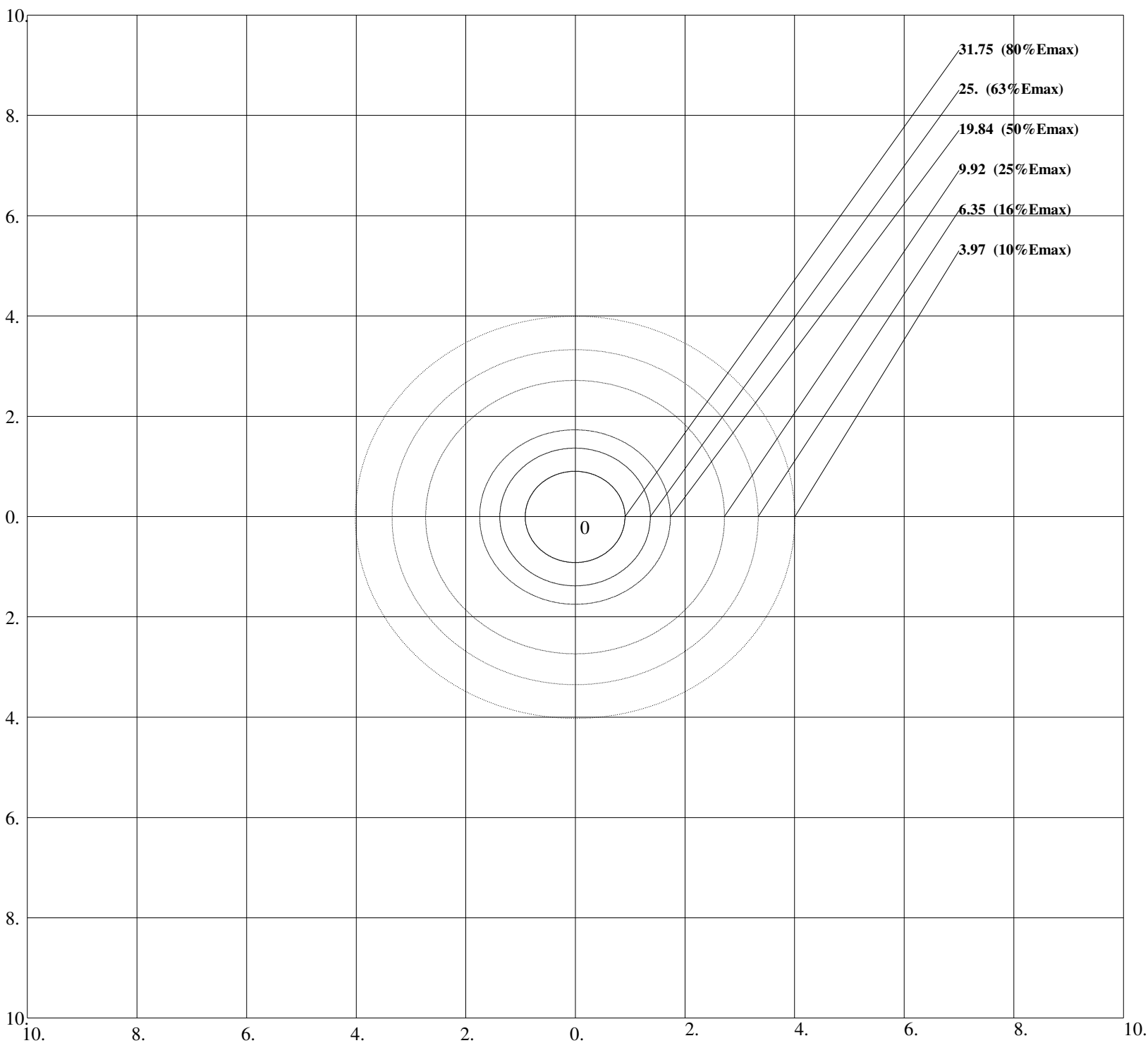
Light Distribution Curve[Unit: cd]





RP Lighting+ Fans

Iso-Lux [Unit :lx] 8538WH-80-2700K



Units: lx
Height: 3 m
Max Illuminance : 39.69lx

RP Lighting+ Fans

Lux-Distance Curve

