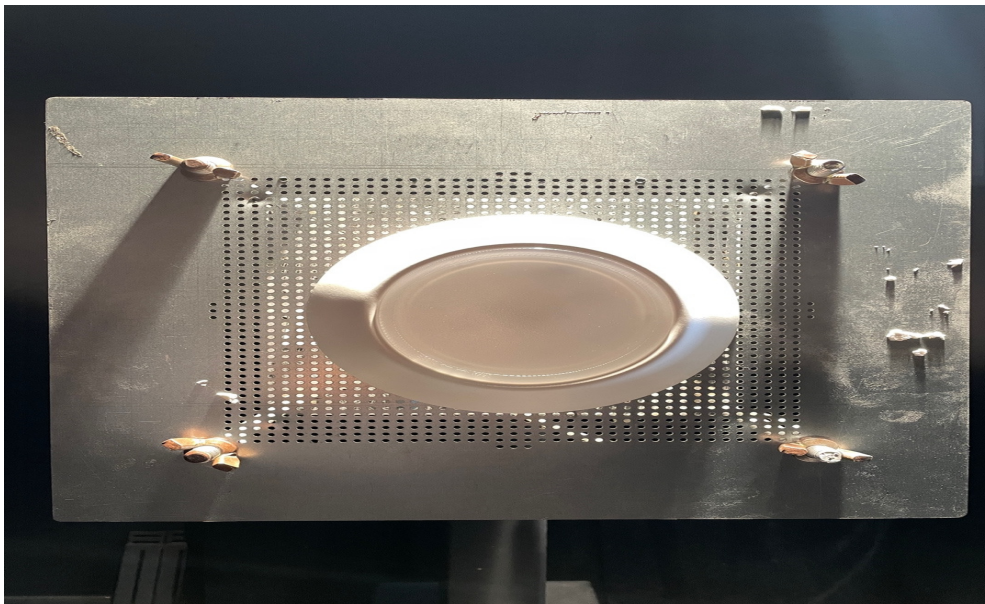


Test Report of Luminaire

Report No.:

Luminaire Type	8538-80-4000K		
Lamp Type	LED		
Client		EUT NO.	CCT: 3977K, CRI: 86.0Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.139
Power:	15.3	Power Factor	0.916
Frequency:	60Hz	Tc	4000K
Photometric Parameters			
Luminaire Flux	1100.21 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	436.817cd	Central Intensity	436.817cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-110020.9%		
50%Imax Beam Width	C0_180[50.2 , -50.6] C90_270[50.2 , -50.6]		
Remark			

Luminaire Figure



RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-80-4000K

C\G	0	5	10	15	20	25	30	35	40	45
0	436.8	433.1	423.6	409.3	390.3	367.4	341.3	312.8	282.6	251.3
5	436.8	433.0	423.6	409.2	390.2	367.4	341.2	312.7	282.4	251.1
10	436.8	433.0	423.5	409.1	390.0	367.2	341.0	312.4	282.3	250.9
15	436.8	432.9	423.5	409.1	390.0	367.0	340.8	312.3	282.0	250.8
20	436.8	433.0	423.4	409.0	389.8	367.0	340.7	312.1	281.9	250.5
25	436.8	432.9	423.4	408.9	389.8	366.9	340.7	312.0	281.8	250.4
30	436.8	432.9	423.4	408.9	389.8	366.8	340.6	311.9	281.7	250.3
35	436.8	432.9	423.3	408.9	389.7	366.8	340.5	311.9	281.6	250.2
40	436.8	432.8	423.4	409.0	389.8	366.7	340.5	311.9	281.6	250.2
45	436.8	432.9	423.4	408.9	389.7	366.8	340.5	311.8	281.5	250.2
50	436.8	432.8	423.4	409.0	389.9	366.8	340.5	311.9	281.6	250.3
55	436.8	432.9	423.4	409.0	389.8	366.9	340.6	311.8	281.7	250.3
60	436.8	432.9	423.5	409.1	389.9	367.0	340.7	312.0	281.8	250.4
65	436.8	432.9	423.5	409.1	390.1	367.1	340.9	312.2	282.0	250.5
70	436.8	432.9	423.7	409.3	390.2	367.3	341.1	312.4	282.0	250.6
75	436.8	432.9	423.7	409.5	390.4	367.4	341.2	312.6	282.3	250.8
80	436.8	433.1	423.9	409.6	390.6	367.6	341.4	312.7	282.5	251.0
85	436.8	433.0	423.9	409.7	390.6	367.7	341.7	313.0	282.7	251.2
90	436.8	433.1	424.0	409.9	390.9	368.0	341.9	313.2	282.9	251.4
95	436.8	433.2	424.1	410.0	391.0	368.3	342.0	313.5	283.1	251.6
100	436.8	433.2	424.1	410.1	391.2	368.4	342.3	313.7	283.4	251.9
105	436.8	433.2	424.3	410.2	391.5	368.7	342.5	314.0	283.6	252.1
110	436.8	433.4	424.4	410.3	391.7	368.9	342.8	314.2	283.9	252.3
115	436.8	433.3	424.5	410.5	391.9	369.2	343.0	314.5	284.1	252.5
120	436.8	433.4	424.6	410.6	392.0	369.3	343.2	314.7	284.4	252.7
125	436.8	433.5	424.7	410.7	392.2	369.6	343.4	315.0	284.6	253.0
130	436.8	433.5	424.8	410.9	392.4	369.7	343.7	315.2	284.8	253.2
135	436.8	433.6	424.9	411.0	392.6	370.0	343.9	315.4	285.0	253.4
140	436.8	433.6	425.0	411.2	392.7	370.1	344.2	315.6	285.2	253.6
145	436.8	433.7	425.0	411.3	392.9	370.4	344.3	315.8	285.5	253.8
150	436.8	433.7	425.1	411.4	393.0	370.5	344.5	316.0	285.6	253.9
155	436.8	433.8	425.2	411.5	393.2	370.6	344.6	316.1	285.8	254.1
160	436.8	433.8	425.2	411.6	393.2	370.8	344.7	316.3	285.9	254.3
165	436.8	433.8	425.3	411.7	393.3	370.9	344.9	316.4	286.0	254.3
170	436.8	433.9	425.4	411.7	393.5	371.0	345.0	316.5	286.1	254.4
175	436.8	433.8	425.4	411.9	393.4	371.0	345.1	316.6	286.2	254.6
180	436.8	433.9	425.4	411.8	393.6	371.1	345.1	316.6	286.2	254.6
185	436.8	433.9	425.4	411.9	393.5	371.1	345.1	316.7	286.3	254.7
190	436.8	433.9	425.4	412.0	393.6	371.0	345.2	316.7	286.3	254.7
195	436.8	433.9	425.5	412.0	393.6	371.2	345.1	316.7	286.2	254.7
200	436.8	433.8	425.4	412.0	393.6	371.1	345.2	316.6	286.3	254.7
205	436.8	433.9	425.6	411.9	393.6	371.1	345.1	316.6	286.2	254.7
210	436.8	433.9	425.5	412.0	393.5	371.1	345.1	316.6	286.3	254.8
215	436.8	434.0	425.5	411.9	393.6	371.0	345.0	316.5	286.2	254.7
220	436.8	433.9	425.5	411.9	393.5	371.0	344.9	316.5	286.2	254.7
225	436.8	433.9	425.4	411.8	393.4	370.9	344.9	316.4	286.1	254.6
230	436.8	433.9	425.4	411.8	393.4	370.9	344.8	316.4	286.0	254.6
235	436.8	433.9	425.3	411.6	393.3	370.8	344.8	316.3	286.0	254.5

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-80-4000K

240	436.8	433.8	425.4	411.7	393.3	370.7	344.7	316.3	285.9	254.5
245	436.8	433.8	425.2	411.5	393.2	370.6	344.7	316.2	285.9	254.5
250	436.8	433.7	425.2	411.4	393.0	370.6	344.5	316.1	285.8	254.4
255	436.8	433.7	425.1	411.3	392.9	370.5	344.4	316.0	285.8	254.3
260	436.8	433.7	425.0	411.3	392.8	370.4	344.3	316.0	285.7	254.4
265	436.8	433.6	425.1	411.3	392.8	370.3	344.3	315.9	285.6	254.2
270	436.8	433.7	424.9	411.2	392.7	370.2	344.2	315.8	285.6	254.2
275	436.8	433.5	424.9	411.1	392.5	370.1	344.1	315.8	285.5	254.1
280	436.8	433.5	424.8	411.0	392.4	370.0	344.0	315.6	285.4	254.0
285	436.8	433.5	424.7	410.9	392.3	369.9	343.9	315.5	285.3	254.0
290	436.8	433.4	424.7	410.8	392.2	369.7	343.8	315.4	285.2	253.9
295	436.8	433.4	424.5	410.7	392.2	369.6	343.6	315.2	285.0	253.8
300	436.8	433.3	424.5	410.7	392.0	369.5	343.5	315.1	285.0	253.7
305	436.8	433.3	424.4	410.5	391.8	369.3	343.3	314.9	284.8	253.5
310	436.8	433.2	424.3	410.5	391.8	369.2	343.2	314.8	284.7	253.4
315	436.8	433.2	424.2	410.3	391.6	368.9	343.0	314.6	284.5	253.2
320	436.8	433.1	424.1	410.2	391.4	368.9	342.8	314.5	284.3	253.1
325	436.8	433.1	424.0	410.0	391.3	368.6	342.7	314.3	284.2	252.9
330	436.8	433.1	424.0	409.9	391.1	368.5	342.4	314.1	283.9	252.7
335	436.8	432.9	423.8	409.8	391.0	368.3	342.3	313.9	283.8	252.5
340	436.8	433.0	423.8	409.6	390.9	368.1	342.0	313.6	283.5	252.2
345	436.8	432.8	423.7	409.5	390.6	368.0	341.8	313.5	283.3	252.0
350	436.8	432.9	423.6	409.4	390.6	367.8	341.7	313.2	283.1	251.8
355	436.8	432.8	423.6	409.4	390.3	367.6	341.5	313.0	282.8	251.6
360	436.8	433.1	423.6	409.3	390.3	367.4	341.3	312.8	282.6	251.3

C\G	50	55	60	65	70	75	80	85	90
0	219.7	187.9	156.3	125.1	94.5	65.0	38.2	16.2	1.3
5	219.5	187.8	156.1	124.9	94.3	64.9	38.1	16.1	1.3
10	219.3	187.5	155.9	124.7	94.1	64.7	38.0	16.0	1.3
15	219.1	187.3	155.7	124.5	93.9	64.6	37.8	15.9	1.2
20	218.9	187.2	155.5	124.3	93.7	64.4	37.7	15.8	1.2
25	218.8	187.0	155.3	124.2	93.6	64.2	37.6	15.6	1.2
30	218.6	186.9	155.2	124.0	93.4	64.1	37.4	15.5	1.2
35	218.6	186.8	155.1	123.9	93.3	63.9	37.3	15.4	1.2
40	218.5	186.7	155.0	123.8	93.2	63.8	37.1	15.3	1.2
45	218.5	186.6	155.0	123.7	93.1	63.7	37.0	15.1	1.2
50	218.5	186.6	155.0	123.6	93.0	63.6	36.9	15.1	1.2
55	218.6	186.7	154.9	123.6	92.9	63.5	36.8	14.9	1.2
60	218.6	186.7	154.9	123.6	92.9	63.5	36.7	14.9	1.2
65	218.7	186.8	155.0	123.6	92.8	63.4	36.6	14.8	1.1
70	218.9	186.9	155.0	123.6	92.8	63.3	36.6	14.7	1.1
75	219.0	187.0	155.1	123.7	92.8	63.3	36.5	14.6	1.1
80	219.2	187.1	155.3	123.7	92.9	63.3	36.4	14.6	1.1
85	219.3	187.3	155.3	123.8	92.9	63.3	36.4	14.5	1.1
90	219.5	187.5	155.5	123.9	92.9	63.3	36.4	14.5	1.1
95	219.7	187.6	155.7	124.0	93.0	63.3	36.3	14.4	1.0
100	219.9	187.8	155.8	124.1	93.0	63.3	36.3	14.4	1.0

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-80-4000K

105	220.2	188.0	156.0	124.2	93.2	63.3	36.3	14.4	1.0
110	220.4	188.2	156.1	124.4	93.2	63.4	36.3	14.4	1.0
115	220.6	188.4	156.2	124.4	93.3	63.4	36.2	14.4	0.9
120	220.8	188.5	156.4	124.5	93.3	63.4	36.2	14.3	0.9
125	221.0	188.7	156.5	124.7	93.4	63.5	36.2	14.3	0.9
130	221.2	188.8	156.7	124.7	93.5	63.5	36.3	14.3	0.9
135	221.4	189.1	156.8	124.9	93.6	63.6	36.3	14.3	0.8
140	221.5	189.2	156.9	125.0	93.7	63.7	36.3	14.2	0.8
145	221.7	189.4	157.0	125.1	93.8	63.7	36.4	14.2	0.8
150	221.9	189.5	157.2	125.2	93.9	63.8	36.4	14.3	0.8
155	222.0	189.6	157.3	125.3	94.0	63.9	36.5	14.3	0.7
160	222.1	189.7	157.5	125.5	94.1	64.0	36.6	14.4	0.7
165	222.2	189.8	157.6	125.6	94.2	64.1	36.7	14.5	0.7
170	222.3	190.0	157.6	125.7	94.3	64.2	36.8	14.6	0.7
175	222.4	190.0	157.8	125.8	94.4	64.3	37.0	14.7	0.7
180	222.5	190.1	157.9	125.9	94.5	64.5	37.1	14.8	0.7
185	222.6	190.2	157.9	126.0	94.7	64.6	37.2	14.9	0.7
190	222.6	190.3	158.0	126.1	94.8	64.7	37.3	15.0	0.7
195	222.6	190.3	158.1	126.2	94.9	64.8	37.5	15.1	0.7
200	222.7	190.3	158.2	126.3	95.0	65.0	37.6	15.2	0.7
205	222.6	190.4	158.2	126.3	95.1	65.1	37.7	15.3	0.7
210	222.7	190.4	158.3	126.4	95.2	65.2	37.8	15.4	0.7
215	222.6	190.4	158.3	126.5	95.3	65.3	38.0	15.5	0.8
220	222.7	190.4	158.4	126.5	95.4	65.4	38.1	15.6	0.8
225	222.6	190.4	158.4	126.6	95.5	65.5	38.2	15.7	0.8
230	222.6	190.5	158.5	126.7	95.6	65.7	38.3	15.8	0.9
235	222.6	190.4	158.4	126.8	95.6	65.8	38.4	15.9	0.9
240	222.6	190.4	158.5	126.8	95.7	65.9	38.5	16.0	1.0
245	222.5	190.5	158.5	126.9	95.8	66.0	38.6	16.1	1.0
250	222.5	190.4	158.5	126.9	95.9	66.0	38.7	16.2	1.1
255	222.5	190.4	158.5	126.9	96.0	66.2	38.8	16.3	1.1
260	222.4	190.4	158.6	127.0	96.0	66.2	38.9	16.4	1.2
265	222.5	190.4	158.6	127.0	96.1	66.3	39.0	16.5	1.2
270	222.4	190.4	158.6	127.0	96.1	66.4	39.1	16.6	1.2
275	222.4	190.4	158.6	127.0	96.1	66.4	39.1	16.7	1.3
280	222.3	190.4	158.6	127.1	96.2	66.4	39.2	16.7	1.3
285	222.2	190.3	158.5	127.0	96.2	66.5	39.2	16.8	1.4
290	222.2	190.2	158.5	127.0	96.2	66.5	39.2	16.8	1.4
295	222.1	190.2	158.4	126.9	96.1	66.4	39.2	16.8	1.4
300	222.0	190.1	158.4	126.9	96.1	66.4	39.2	16.8	1.4
305	221.9	190.0	158.3	126.8	96.0	66.4	39.2	16.8	1.4
310	221.7	189.8	158.2	126.7	95.9	66.3	39.1	16.7	1.4
315	221.6	189.7	158.1	126.6	95.8	66.2	39.0	16.7	1.4
320	221.4	189.6	158.0	126.5	95.7	66.1	39.0	16.6	1.4
325	221.2	189.4	157.8	126.4	95.6	66.0	38.9	16.5	1.3
330	221.1	189.2	157.6	126.2	95.5	65.9	38.8	16.5	1.3
335	220.8	189.0	157.4	126.0	95.3	65.8	38.7	16.4	1.3
340	220.6	188.8	157.2	125.8	95.2	65.6	38.6	16.4	1.3
345	220.4	188.6	157.0	125.6	95.0	65.5	38.5	16.3	1.3

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-80-4000K

350	220.2	188.4	156.8	125.4	94.8	65.4	38.4	16.3	1.3
355	219.9	188.2	156.6	125.2	94.6	65.2	38.3	16.2	1.3
360	219.7	187.9	156.3	125.1	94.5	65.0	38.2	16.2	1.3

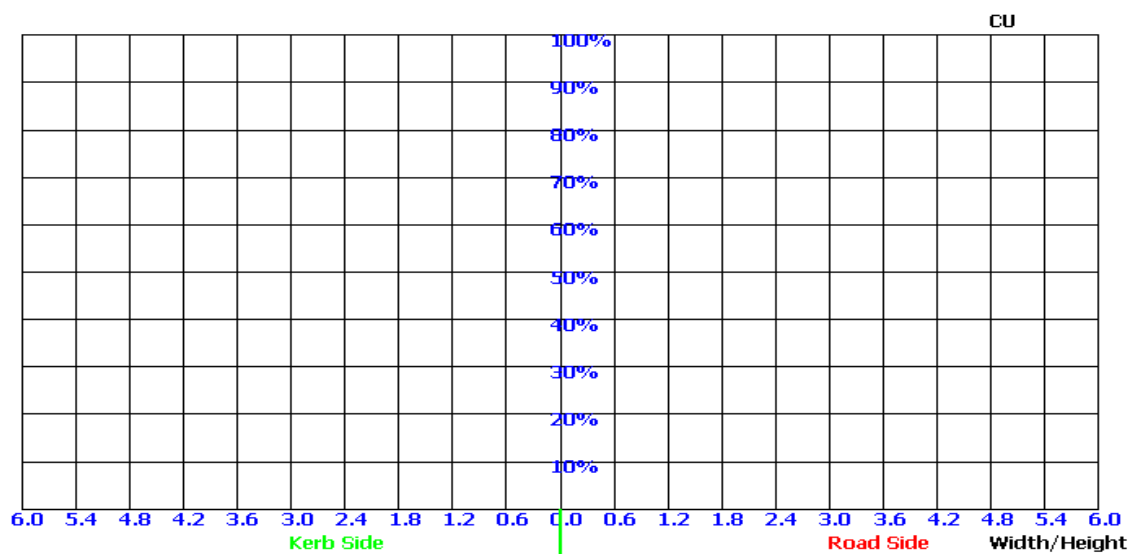
RP Lighting + Fans

Zonal Flux 8538-80-4000K

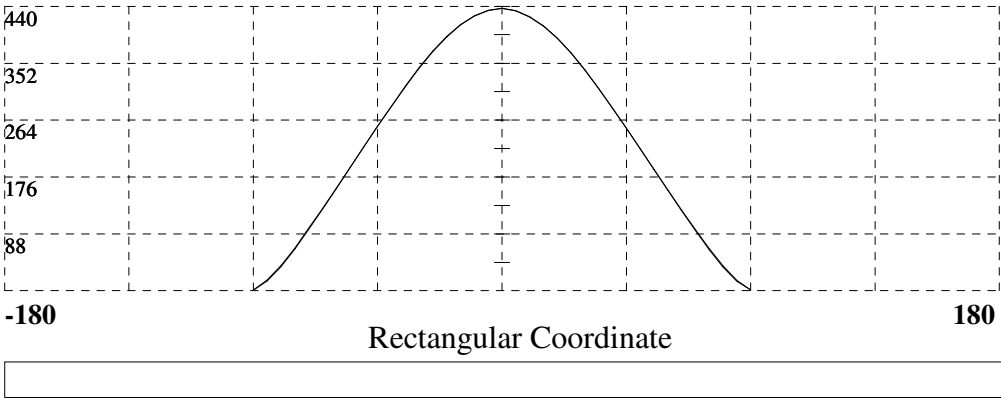
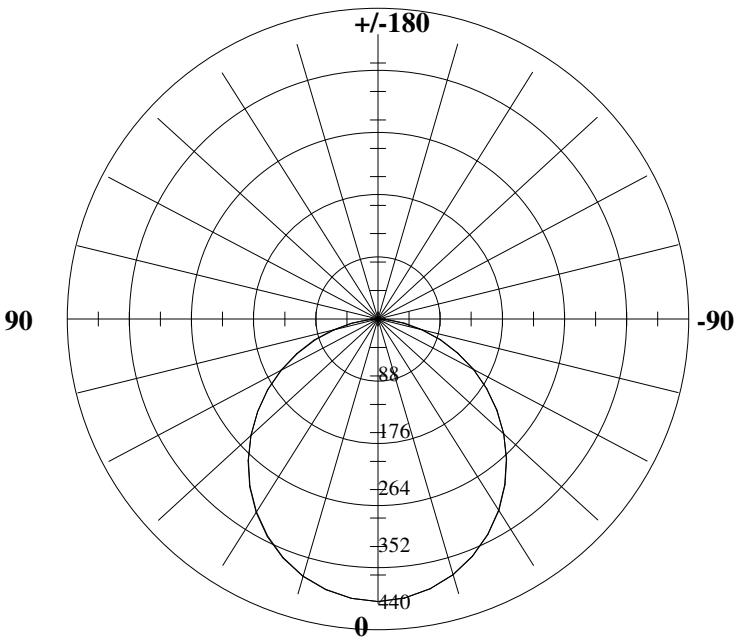
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	436.82	0.00	0.00	0.00	0.00
5	433.37	10.40	10.40	-1040.29	-1040.29
10	424.47	30.69	41.09	-3068.76	-4109.05
15	410.53	49.53	90.62	-4953.13	-9062.18
20	391.84	66.13	156.75	-6612.65	-15674.83
25	369.18	79.82	236.57	-7981.77	-23656.60
30	343.11	90.14	326.71	-9014.13	-32670.72
35	314.60	96.85	423.56	-9685.14	-42355.85
40	284.31	99.92	523.48	-9992.27	-52348.11
45	252.88	99.47	622.95	-9946.58	-62294.70
50	221.03	95.76	718.71	-9576.15	-71870.83
55	188.97	89.15	807.86	-8914.70	-80785.52
60	157.06	79.98	887.84	-7998.27	-88783.79
65	125.47	68.68	956.52	-6868.28	-95652.08
70	94.50	55.70	1012.22	-5569.74	-101221.81
75	64.77	41.63	1053.85	-4162.98	-105384.79
80	37.65	27.40	1081.25	-2740.29	-108125.12
85	15.47	14.43	1095.68	-1443.18	-109568.32
90	1.07	4.53	1100.21	-452.66	-110021.00

RP Lighting + Fans

Coefficient Utilization Curve 8538-80-4000K

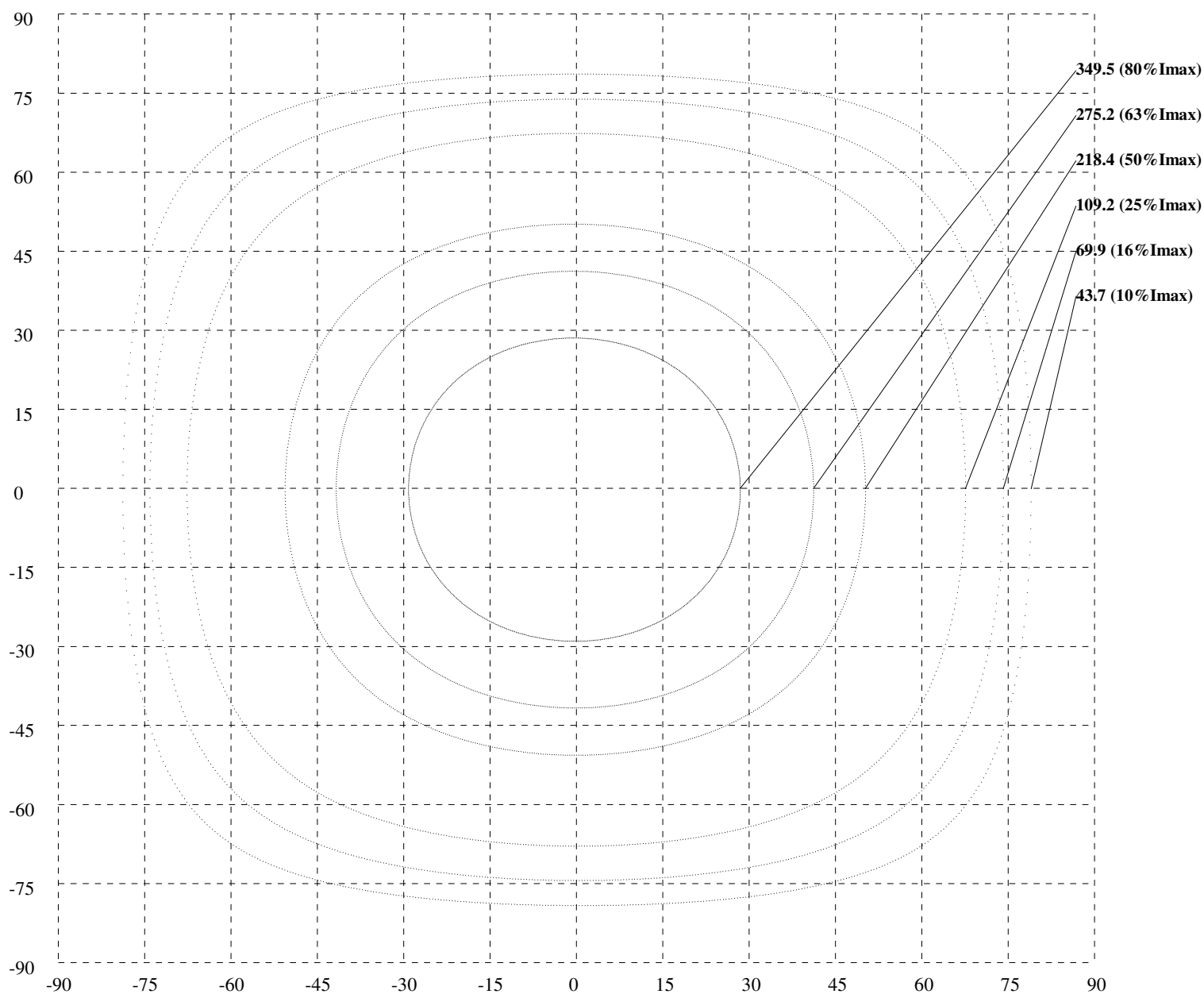


Light Distribution Curve[Unit: cd]



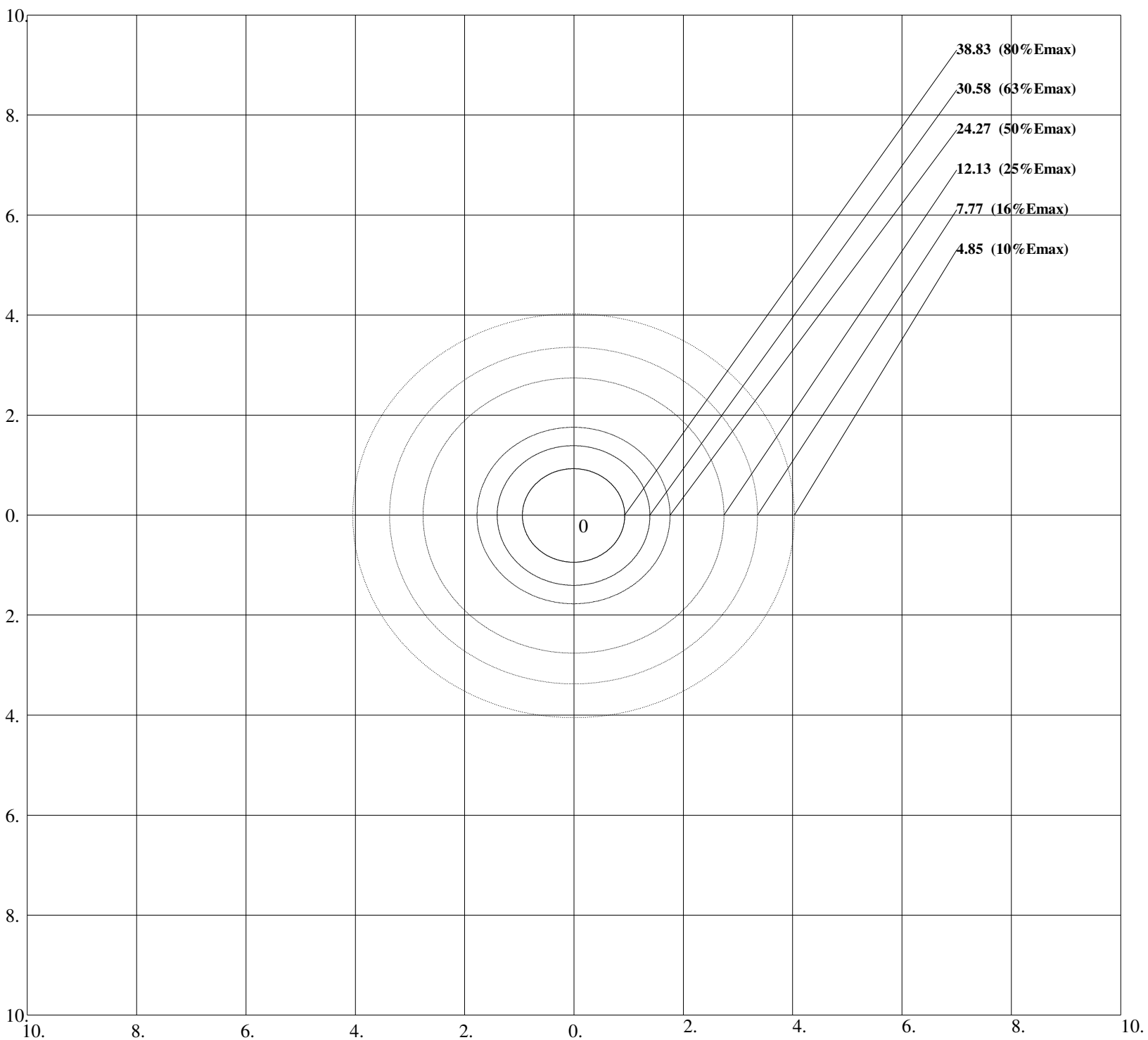
RP Lighting + Fans

ISO-Candela V-H [Unit :cd] 8538-80-4000K



RP Lighting + Fans

Iso-Lux [Unit :lx] 8538-80-4000K



Units: lx
Height: 3 m
Max Illuminance : 48.54lx

RP Lighting + Fans

Lux-Distance Curve

