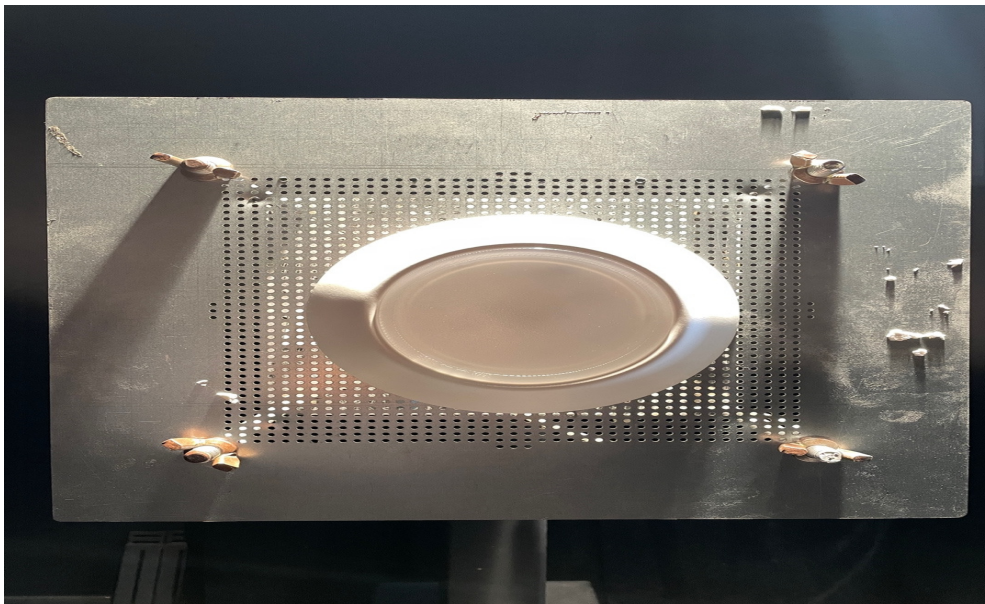


Test Report of Luminaire

Report No.:

Luminaire Type	8538-80-5000K		
Lamp Type	LED		
Client		EUT NO.	CCT: 4782K, CRI: 84.3Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.139
Power:	15.2	Power Factor	0.910
Frequency:	60Hz	Tc	5000K
Photometric Parameters			
Luminaire Flux	1036.86 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	423.359cd	Central Intensity	423.359cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-103685.8%		
50%Imax Beam Width	C0_180[49.1 , -49.6] C90_270[49.1 , -49.6]		
Remark			

Luminaire Figure



RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-80-5000K

C\G	0	5	10	15	20	25	30	35	40	45
0	423.4	416.6	404.2	388.5	369.1	346.5	321.4	294.3	265.6	236.2
5	423.4	416.4	404.2	388.3	369.0	346.5	321.2	294.1	265.5	236.0
10	423.4	416.4	404.1	388.2	368.9	346.3	321.1	293.9	265.3	235.7
15	423.4	416.4	404.1	388.1	368.8	346.2	320.9	293.7	265.1	235.6
20	423.4	416.3	403.9	388.3	368.6	346.1	320.8	293.6	264.9	235.4
25	423.4	416.1	403.9	388.1	368.6	346.1	320.7	293.5	264.9	235.4
30	423.4	416.1	403.9	387.9	368.5	345.9	320.7	293.4	264.8	235.1
35	423.4	416.1	403.9	388.0	368.6	345.9	320.7	293.4	264.7	235.1
40	423.4	416.0	403.8	387.9	368.5	345.9	320.7	293.3	264.7	235.2
45	423.4	416.0	403.8	388.0	368.5	345.9	320.7	293.4	264.7	235.2
50	423.4	416.0	403.8	388.0	368.6	346.0	320.8	293.5	264.7	235.2
55	423.4	416.1	403.8	388.0	368.6	346.0	320.8	293.5	264.8	235.2
60	423.4	415.8	403.9	388.1	368.7	346.2	320.8	293.6	265.0	235.4
65	423.4	415.9	403.8	388.1	368.8	346.3	321.0	293.8	265.1	235.5
70	423.4	415.9	404.0	388.3	369.0	346.5	321.2	293.9	265.3	235.7
75	423.4	415.9	403.8	388.3	369.1	346.6	321.4	294.2	265.5	235.9
80	423.4	415.9	404.1	388.4	369.3	346.8	321.6	294.3	265.7	236.0
85	423.4	415.9	404.1	388.6	369.4	347.0	321.8	294.6	265.9	236.2
90	423.4	415.9	404.2	388.6	369.6	347.1	322.1	294.8	266.1	236.4
95	423.4	415.8	404.3	388.8	369.8	347.3	322.3	295.1	266.4	236.7
100	423.4	415.9	404.3	389.1	370.0	347.7	322.6	295.4	266.6	236.9
105	423.4	415.9	404.5	389.2	370.1	347.9	322.8	295.5	266.9	237.2
110	423.4	415.9	404.4	389.2	370.4	348.0	323.1	295.9	267.2	237.5
115	423.4	415.8	404.6	389.3	370.6	348.3	323.3	296.1	267.4	237.7
120	423.4	415.8	404.9	389.6	370.8	348.5	323.5	296.4	267.6	237.9
125	423.4	415.8	404.6	389.5	371.0	348.7	323.8	296.6	267.8	238.1
130	423.4	415.9	404.7	389.8	371.0	348.9	324.0	296.8	268.0	238.4
135	423.4	415.8	404.9	389.9	371.1	349.1	324.2	297.0	268.3	238.6
140	423.4	415.8	405.0	390.1	371.2	349.4	324.3	297.2	268.4	238.7
145	423.4	415.9	404.9	390.3	371.4	349.6	324.6	297.4	268.6	238.9
150	423.4	415.8	405.0	390.3	371.5	349.7	324.7	297.4	268.8	239.1
155	423.4	416.0	405.0	390.4	371.6	349.8	324.8	297.7	269.0	239.2
160	423.4	415.9	405.1	390.4	371.7	349.9	325.0	297.9	269.1	239.3
165	423.4	415.9	405.1	390.5	371.9	350.0	325.0	297.9	269.2	239.4
170	423.4	415.8	405.2	390.5	371.9	350.1	325.2	298.1	269.3	239.6
175	423.4	415.8	405.2	390.6	372.1	350.1	325.2	298.1	269.3	239.6
180	423.4	415.9	405.1	390.7	372.1	350.2	325.2	298.1	269.5	239.7
185	423.4	415.7	405.2	390.6	372.1	350.2	325.3	298.2	269.5	239.8
190	423.4	415.7	405.2	390.7	372.1	350.2	325.3	298.2	269.5	239.8
195	423.4	415.6	405.2	390.6	372.1	350.2	325.4	298.3	269.6	239.8
200	423.4	415.7	405.2	390.6	372.2	350.2	325.3	298.2	269.5	239.8
205	423.4	415.6	405.1	390.5	372.1	350.2	325.3	298.2	269.5	239.8
210	423.4	415.6	405.1	390.3	372.1	350.1	325.3	298.4	269.5	239.8
215	423.4	415.6	405.0	390.3	372.0	350.0	325.2	298.2	269.4	239.7
220	423.4	415.5	404.9	390.1	372.0	350.0	325.2	298.0	269.4	239.7
225	423.4	415.5	404.9	390.4	371.8	349.8	325.0	298.0	269.3	239.6
230	423.4	415.4	404.9	390.4	371.8	349.9	325.0	297.9	269.3	239.6
235	423.4	415.4	404.8	390.2	371.6	349.7	324.8	297.9	269.1	239.5

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-80-5000K

240	423.4	415.4	404.8	390.0	371.5	349.7	324.8	297.7	269.0	239.5
245	423.4	415.3	404.6	390.0	371.5	349.5	324.7	297.7	269.0	239.4
250	423.4	415.2	404.5	389.9	371.4	349.2	324.7	297.5	268.9	239.3
255	423.4	415.2	404.4	389.7	371.2	349.5	324.5	297.4	268.9	239.2
260	423.4	415.0	404.3	389.7	371.2	349.3	324.3	297.3	268.8	239.2
265	423.4	414.9	404.4	389.5	371.0	349.3	324.2	297.1	268.6	239.1
270	423.4	415.0	404.2	389.5	370.9	349.1	324.0	297.0	268.5	238.9
275	423.4	414.8	404.1	389.3	370.8	348.8	323.9	296.9	268.4	238.9
280	423.4	414.9	404.0	389.1	370.6	348.6	323.7	296.7	268.3	238.8
285	423.4	414.7	403.8	389.0	370.5	348.5	323.6	296.6	268.2	238.7
290	423.4	414.6	403.8	388.8	370.3	348.3	323.6	296.5	268.0	238.5
295	423.4	414.5	403.7	388.8	370.2	348.2	323.3	296.3	267.9	238.5
300	423.4	414.3	403.5	388.7	370.0	348.0	323.2	296.2	267.8	238.3
305	423.4	414.2	403.6	388.6	369.9	347.9	323.0	296.1	267.6	238.2
310	423.4	414.1	403.4	388.5	369.8	347.8	322.9	295.9	267.5	238.0
315	423.4	414.2	403.3	388.3	369.6	347.5	322.7	295.7	267.2	237.9
320	423.4	414.0	403.2	388.3	369.5	347.4	322.5	295.5	267.1	237.7
325	423.4	413.9	403.0	388.0	369.3	347.2	322.4	295.3	266.9	237.6
330	423.4	413.8	402.9	387.9	369.2	347.1	322.2	295.2	266.7	237.4
335	423.4	413.7	402.7	387.8	369.0	346.9	322.1	294.9	266.5	237.1
340	423.4	413.7	402.7	387.6	368.9	346.7	321.7	294.8	266.3	236.9
345	423.4	413.5	402.6	387.5	368.7	346.4	321.7	294.5	266.1	236.7
350	423.4	413.8	402.5	387.3	368.4	346.3	321.5	294.4	265.9	236.5
355	423.4	413.5	402.4	387.2	368.3	346.2	321.2	294.1	265.7	236.3
360	423.4	416.6	404.2	388.5	369.1	346.5	321.4	294.3	265.6	236.2

C\G	50	55	60	65	70	75	80	85	90
0	206.3	176.5	146.7	117.4	88.7	61.0	35.8	15.1	1.2
5	206.2	176.3	146.6	117.2	88.5	60.9	35.7	15.1	1.2
10	206.0	176.1	146.4	117.0	88.3	60.8	35.6	15.0	1.2
15	205.7	175.9	146.2	116.9	88.2	60.6	35.5	14.9	1.2
20	205.6	175.7	146.1	116.8	88.0	60.4	35.3	14.8	1.2
25	205.5	175.6	145.9	116.6	87.9	60.3	35.2	14.7	1.2
30	205.4	175.5	145.8	116.5	87.7	60.2	35.1	14.6	1.2
35	205.3	175.4	145.7	116.4	87.6	60.0	35.0	14.4	1.2
40	205.3	175.4	145.6	116.3	87.5	59.9	34.9	14.3	1.2
45	205.3	175.4	145.6	116.2	87.4	59.8	34.8	14.3	1.2
50	205.4	175.4	145.6	116.2	87.4	59.8	34.6	14.2	1.1
55	205.4	175.4	145.6	116.2	87.3	59.7	34.6	14.1	1.1
60	205.4	175.5	145.7	116.2	87.3	59.6	34.5	14.0	1.1
65	205.6	175.6	145.7	116.2	87.3	59.6	34.4	13.9	1.1
70	205.7	175.7	145.8	116.2	87.3	59.6	34.4	13.8	1.1
75	205.9	175.8	145.9	116.3	87.3	59.5	34.3	13.8	1.1
80	206.1	176.0	146.0	116.4	87.4	59.5	34.3	13.7	1.0
85	206.3	176.1	146.1	116.4	87.4	59.5	34.3	13.7	1.0
90	206.5	176.3	146.3	116.6	87.5	59.6	34.2	13.7	1.0
95	206.7	176.5	146.4	116.6	87.5	59.6	34.2	13.6	1.0
100	206.9	176.7	146.6	116.8	87.6	59.6	34.2	13.6	0.9

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-80-5000K

105	207.1	176.9	146.7	116.9	87.6	59.6	34.2	13.6	0.9
110	207.3	177.0	146.9	117.0	87.7	59.7	34.2	13.6	0.9
115	207.6	177.3	147.0	117.1	87.8	59.7	34.2	13.6	0.9
120	207.8	177.4	147.2	117.3	87.9	59.8	34.2	13.6	0.8
125	208.0	177.6	147.3	117.3	88.0	59.8	34.2	13.5	0.8
130	208.2	177.8	147.5	117.5	88.1	59.8	34.2	13.5	0.8
135	208.4	178.0	147.6	117.6	88.2	59.9	34.3	13.5	0.8
140	208.6	178.1	147.8	117.8	88.3	60.0	34.3	13.5	0.8
145	208.7	178.2	147.9	117.8	88.4	60.0	34.3	13.5	0.7
150	208.8	178.4	148.0	117.9	88.5	60.1	34.4	13.5	0.7
155	209.0	178.5	148.1	118.0	88.6	60.2	34.4	13.6	0.7
160	209.1	178.6	148.3	118.2	88.7	60.3	34.5	13.7	0.7
165	209.2	178.7	148.3	118.3	88.8	60.4	34.7	13.7	0.7
170	209.3	178.8	148.5	118.4	88.9	60.6	34.8	13.9	0.7
175	209.4	178.9	148.6	118.5	89.0	60.7	34.9	14.0	0.6
180	209.4	179.0	148.6	118.6	89.1	60.8	35.0	14.1	0.7
185	209.5	179.1	148.8	118.7	89.2	60.9	35.1	14.1	0.7
190	209.6	179.1	148.8	118.8	89.3	61.0	35.3	14.3	0.7
195	209.5	179.2	148.9	118.9	89.4	61.2	35.4	14.3	0.7
200	209.6	179.2	149.0	118.9	89.5	61.3	35.5	14.4	0.7
205	209.6	179.2	149.0	119.0	89.6	61.4	35.6	14.5	0.7
210	209.6	179.2	149.0	119.1	89.7	61.5	35.7	14.6	0.7
215	209.6	179.3	149.0	119.2	89.8	61.6	35.8	14.7	0.7
220	209.5	179.2	149.1	119.2	89.8	61.7	35.9	14.8	0.8
225	209.5	179.3	149.1	119.2	90.0	61.7	36.0	14.9	0.8
230	209.5	179.2	149.1	119.3	90.0	61.9	36.1	14.9	0.8
235	209.4	179.2	149.1	119.3	90.1	61.9	36.2	15.0	0.9
240	209.4	179.2	149.1	119.3	90.1	62.0	36.3	15.1	0.9
245	209.4	179.1	149.1	119.3	90.2	62.1	36.4	15.2	1.0
250	209.2	179.2	149.1	119.4	90.2	62.2	36.5	15.3	1.0
255	209.3	179.1	149.1	119.4	90.2	62.2	36.6	15.4	1.1
260	209.2	179.0	149.0	119.4	90.3	62.3	36.6	15.5	1.1
265	209.1	178.9	149.1	119.4	90.3	62.4	36.7	15.5	1.2
270	209.0	178.9	149.0	119.4	90.3	62.4	36.8	15.6	1.2
275	208.9	178.9	149.0	119.4	90.3	62.4	36.8	15.7	1.2
280	208.9	178.8	148.9	119.3	90.3	62.4	36.8	15.7	1.3
285	208.7	178.7	148.9	119.3	90.3	62.4	36.8	15.8	1.3
290	208.7	178.6	148.8	119.3	90.3	62.4	36.8	15.8	1.3
295	208.5	178.6	148.8	119.2	90.3	62.4	36.8	15.8	1.3
300	208.4	178.4	148.7	119.2	90.2	62.3	36.8	15.7	1.3
305	208.3	178.3	148.5	119.1	90.1	62.3	36.7	15.7	1.3
310	208.2	178.2	148.5	119.0	90.0	62.2	36.7	15.7	1.3
315	208.0	178.1	148.3	118.9	89.9	62.1	36.6	15.6	1.3
320	207.9	177.9	148.2	118.7	89.8	62.0	36.5	15.6	1.3
325	207.7	177.8	148.0	118.6	89.7	61.9	36.5	15.5	1.3
330	207.5	177.6	147.9	118.5	89.6	61.8	36.4	15.4	1.3
335	207.4	177.4	147.7	118.3	89.5	61.7	36.3	15.4	1.3
340	207.2	177.2	147.5	118.1	89.3	61.6	36.2	15.3	1.3
345	206.9	177.0	147.3	118.0	89.2	61.5	36.1	15.3	1.3

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-80-5000K

350	206.8	176.9	147.1	117.8	89.0	61.3	36.0	15.3	1.3
355	206.5	176.6	146.9	117.6	88.8	61.2	35.9	15.2	1.3
360	206.3	176.5	146.7	117.4	88.7	61.0	35.8	15.1	1.2

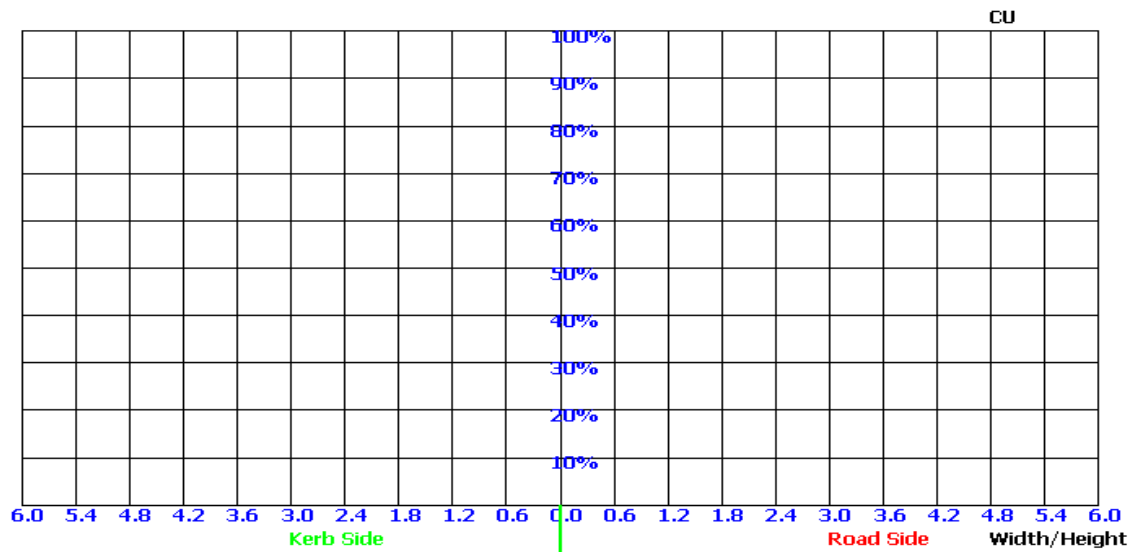
RP Lighting + Fans

Zonal Flux 8538-80-5000K

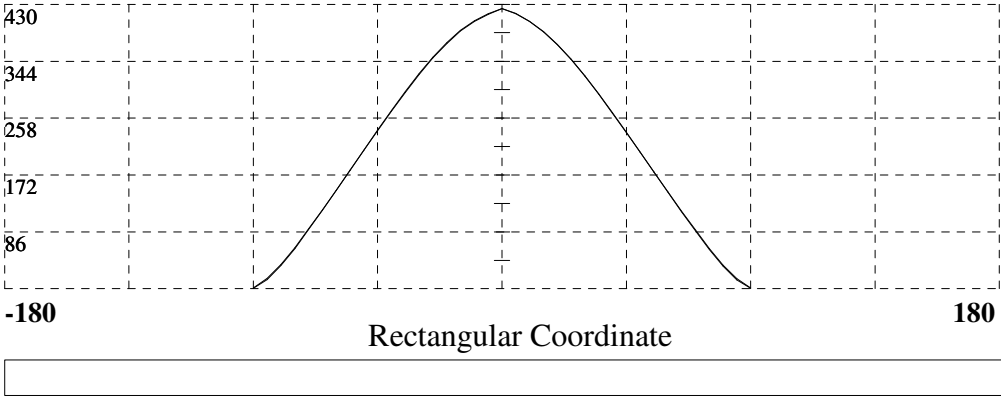
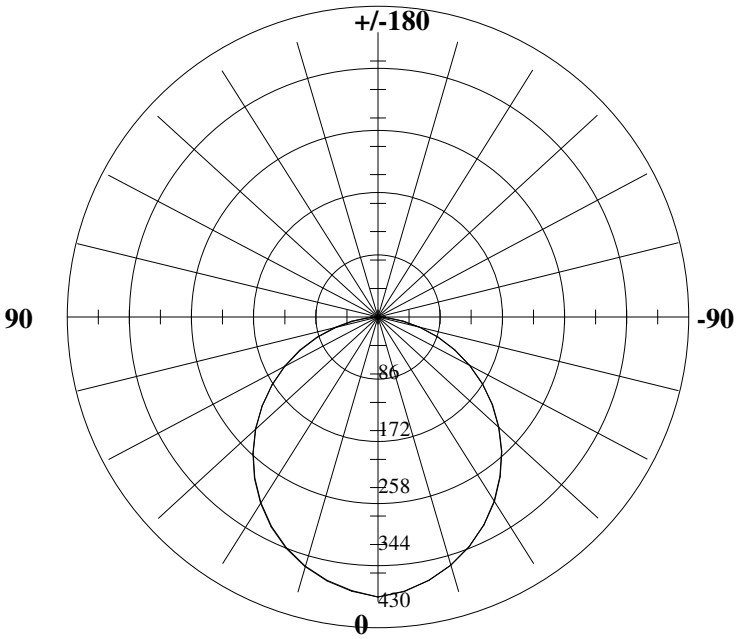
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	423.36	0.00	0.00	0.00	0.00
5	415.41	10.03	10.03	-1002.72	-1002.72
10	404.22	29.32	39.35	-2932.04	-3934.76
15	389.14	47.06	86.41	-4706.12	-8640.88
20	370.32	62.59	149.00	-6258.98	-14899.86
25	348.17	75.36	224.35	-7535.61	-22435.47
30	323.17	84.96	309.31	-8495.89	-30931.36
35	296.04	91.18	400.50	-9118.27	-40049.64
40	267.41	94.01	494.50	-9400.63	-49450.26
45	237.81	93.55	588.05	-9354.50	-58804.75
50	207.80	90.04	678.09	-9004.26	-67809.04
55	177.67	83.82	761.91	-8381.54	-76190.58
60	147.67	75.20	837.11	-7520.17	-83710.74
65	117.98	64.58	901.69	-6457.89	-90168.66
70	88.87	52.38	954.06	-5237.60	-95406.26
75	60.92	39.15	993.22	-3915.42	-99321.67
80	35.43	25.78	1019.00	-2578.24	-101899.91
85	14.57	13.59	1032.59	-1358.86	-103258.78
90	1.02	4.27	1036.86	-427.02	-103685.75

RP Lighting + Fans

Coefficient Utilization Curve 8538-80-5000K

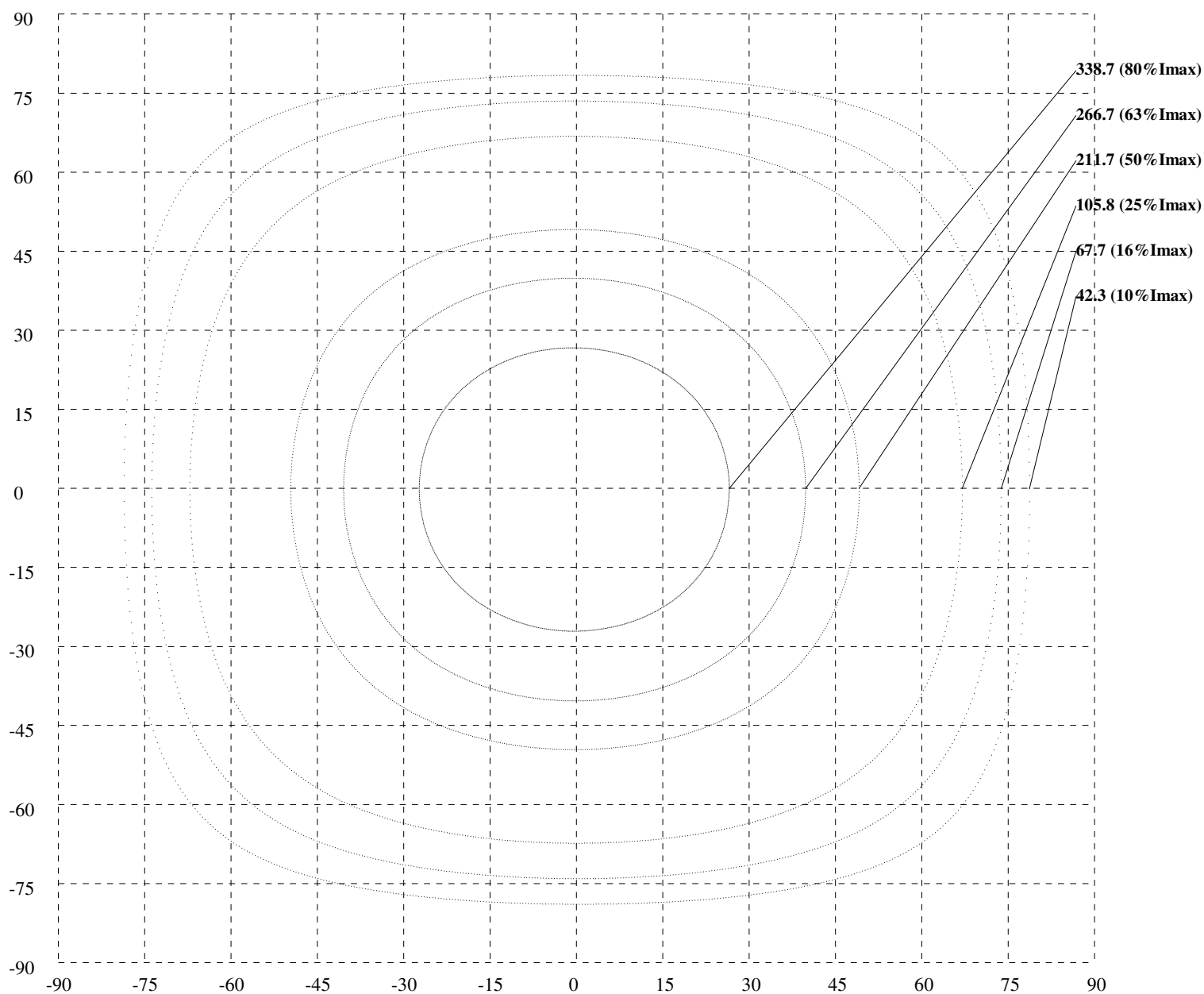


Light Distribution Curve[Unit: cd]



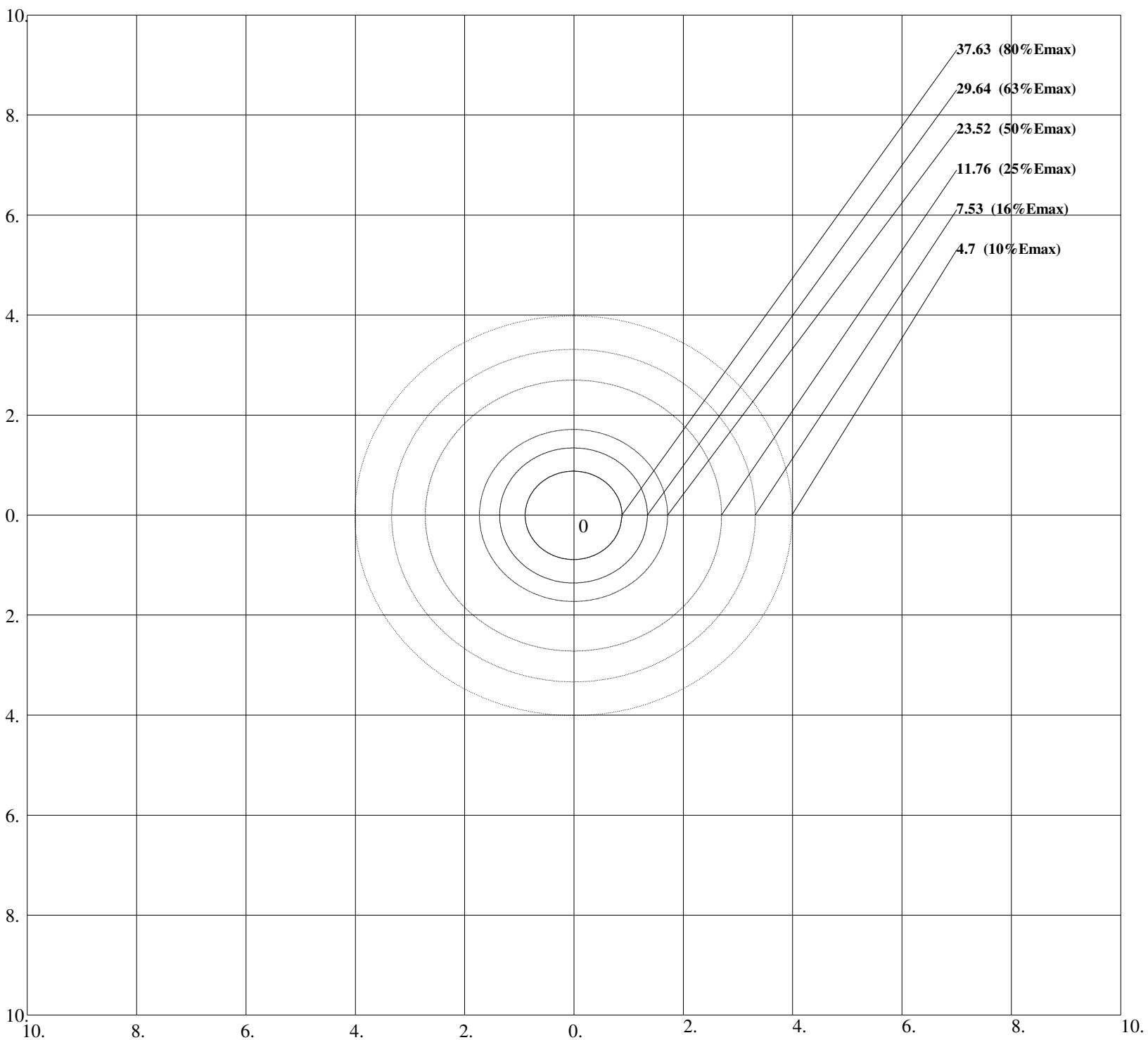
RP Lighting + Fans

ISO-Candela V-H [Unit :cd] 8538-80-5000K



RP Lighting + Fans

Iso-Lux [Unit :lx] 8538-80-5000K



Units: lx
Height: 3 m
Max Illuminance : 47.04lx

RP Lighting + Fans

Lux-Distance Curve

