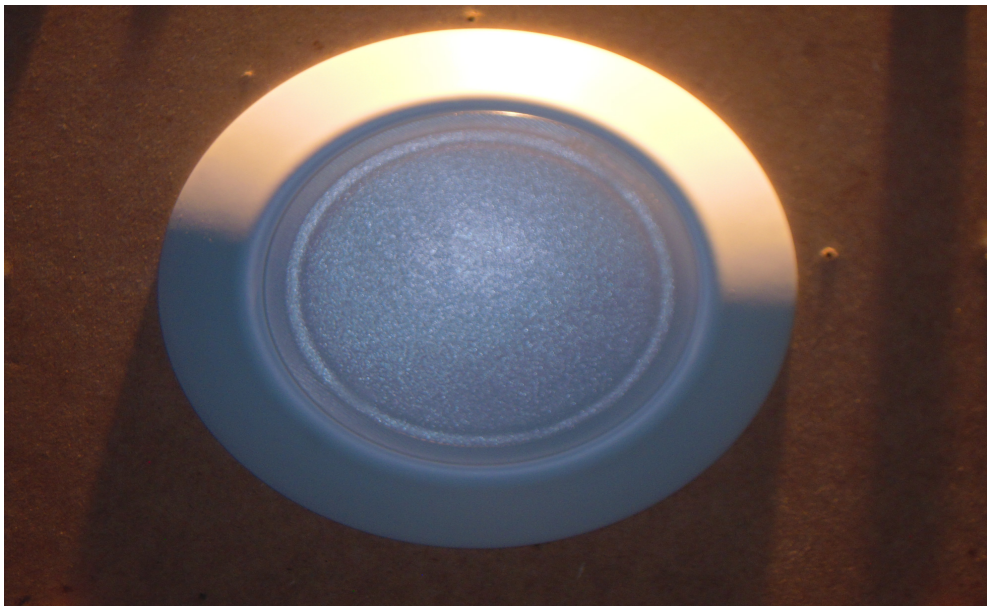


Test Report of Luminaire

Report No.:

Luminaire Type	8538-90		
Lamp Type	LED		
Client		EUT NO.	CCT: 3072K, CRI: 92.8Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.125
Power:	14.9	Power Factor	0.990
Frequency:	60Hz	Tc	3000K
Photometric Parameters			
Luminaire Flux	891.89 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	359.966cd	Central Intensity	359.966cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.01%		
Downward Flux Ratio	-89188.6%		
50%Imax Beam Width	C0_180[50.6 ,-48.5] C90_270[49.3 ,-49.8]		
Remark			

Luminaire Figure



RP Lighting • Fans

Photometric Data Table [Unit:cd] 8538-90

C\G	0	5	10	15	20	25	30	35	40	45
0	360.0	357.4	349.2	337.7	322.0	303.4	282.0	258.7	234.5	209.0
5	360.0	356.9	349.6	337.2	322.1	303.5	282.1	258.8	234.1	209.1
10	360.0	357.2	349.0	337.6	321.7	303.1	282.0	258.9	234.4	208.8
15	360.0	357.0	349.4	337.1	322.0	303.4	281.8	258.8	234.0	209.0
20	360.0	356.9	349.0	337.3	321.4	302.8	281.9	258.4	234.1	208.5
25	360.0	357.1	349.0	337.1	321.7	303.0	281.3	258.2	233.8	208.4
30	360.0	356.7	349.0	336.7	321.2	302.5	281.5	258.3	233.4	208.1
35	360.0	357.1	348.6	336.9	321.3	302.4	280.9	257.8	233.4	207.8
40	360.0	356.6	348.8	336.6	320.7	302.3	280.8	257.3	232.8	207.5
45	360.0	356.8	348.2	336.2	320.9	301.8	280.4	257.3	232.5	207.0
50	360.0	356.6	348.5	336.4	320.2	301.8	280.0	256.6	232.1	206.5
55	360.0	356.5	348.1	335.7	320.2	301.0	279.9	256.4	231.5	206.3
60	360.0	356.6	348.0	335.8	319.8	301.0	279.1	256.0	231.3	205.6
65	360.0	356.0	348.0	335.5	319.4	300.4	279.1	255.4	230.5	205.1
70	360.0	356.4	347.5	335.1	319.4	300.1	278.3	255.2	230.2	204.8
75	360.0	355.8	347.7	335.2	318.7	299.8	278.1	254.3	229.5	204.0
80	360.0	356.0	347.1	334.5	318.8	299.2	277.6	254.1	229.1	203.6
85	360.0	355.7	347.3	334.7	318.1	299.2	277.1	253.5	228.7	203.0
90	360.0	355.6	346.9	334.0	318.0	298.4	276.9	253.0	228.0	202.6
95	360.0	355.8	346.7	334.0	317.6	298.4	276.2	252.7	227.7	201.8
100	360.0	355.2	346.4	333.6	317.2	297.8	275.8	252.0	226.9	201.5
105	360.0	355.7	346.7	333.7	317.2	297.6	275.5	251.9	226.8	201.0
110	360.0	355.2	346.1	333.1	316.5	297.3	275.2	251.1	226.2	200.4
115	360.0	355.4	346.3	333.3	316.7	296.6	274.9	251.0	225.8	200.2
120	360.0	355.2	346.0	332.8	316.0	296.3	274.3	250.5	225.3	199.6
125	360.0	355.3	345.8	332.8	316.1	296.4	273.9	250.1	225.2	199.5
130	360.0	354.8	346.0	332.6	315.8	295.9	273.8	250.1	224.6	198.9
135	360.0	355.2	345.5	332.3	315.5	295.8	273.8	249.5	224.5	198.8
140	360.0	354.7	345.6	332.5	315.7	295.8	273.4	249.5	224.4	198.7
145	360.0	355.0	345.7	332.0	315.2	295.3	273.1	249.1	223.9	198.2
150	360.0	354.9	345.4	332.4	315.5	295.6	273.3	249.3	224.1	198.3
155	360.0	354.7	345.2	331.9	315.0	295.1	273.3	248.9	223.8	198.1
160	360.0	355.0	345.3	332.1	315.3	295.4	272.9	249.2	223.8	198.0
165	360.0	354.5	345.5	332.1	315.1	295.2	273.1	249.0	224.0	198.2
170	360.0	355.0	345.6	331.9	315.4	295.3	273.2	249.1	223.7	198.0
175	360.0	354.6	345.2	332.3	315.0	295.6	273.0	249.3	224.1	198.3
180	360.0	354.8	345.1	331.9	315.6	295.4	273.3	249.2	224.0	198.3
185	360.0	354.8	345.5	332.4	315.3	295.9	273.7	249.7	224.4	198.4
190	360.0	354.6	345.6	332.1	315.6	295.7	273.6	249.5	224.6	198.9
195	360.0	355.0	345.3	332.4	315.7	296.2	273.7	250.0	224.6	199.0
200	360.0	354.5	345.5	332.5	315.7	296.2	274.0	250.2	225.3	199.3
205	360.0	355.0	345.9	332.5	316.2	296.3	274.5	250.4	225.3	199.7
210	360.0	354.7	345.6	332.9	316.1	296.8	274.9	251.0	225.8	199.9
215	360.0	354.9	345.7	332.7	316.7	296.8	274.9	251.0	226.2	200.5
220	360.0	354.9	346.2	333.0	316.6	297.4	275.1	251.5	226.4	200.7
225	360.0	354.8	345.8	333.3	317.0	297.3	275.5	251.9	227.0	201.3
230	360.0	355.2	346.4	333.6	317.2	298.0	275.9	252.1	227.1	201.6
235	360.0	354.8	346.1	333.5	317.4	298.1	276.4	252.8	227.9	202.2

RP Lighting • Fans

Photometric Data Table

[Unit:cd] 8538-90

240	360.0	355.3	346.4	334.1	318.0	298.3	276.8	252.8	228.0	202.3
245	360.0	354.9	346.7	333.8	317.8	298.8	276.8	253.5	228.5	203.0
250	360.0	355.1	346.5	334.4	318.4	299.2	277.3	253.6	228.9	203.2
255	360.0	355.0	347.1	334.4	318.3	299.1	277.7	254.1	229.4	203.6
260	360.0	355.5	347.2	334.7	318.8	299.6	277.8	254.5	229.4	204.1
265	360.0	355.1	347.0	335.0	319.0	299.8	278.4	254.5	230.1	204.3
270	360.0	355.6	347.2	334.8	319.0	300.0	278.3	255.1	230.2	204.9
275	360.0	355.4	347.5	335.4	319.6	300.5	278.9	255.2	230.6	205.0
280	360.0	355.5	347.2	335.1	319.4	300.4	278.9	255.8	231.0	205.3
285	360.0	355.7	347.8	335.7	320.0	301.0	279.3	255.7	231.1	205.9
290	360.0	355.4	347.4	335.6	319.8	300.9	279.4	256.3	231.6	205.9
295	360.0	355.9	347.9	335.8	320.3	301.4	280.0	256.4	231.6	206.3
300	360.0	355.5	347.8	336.1	320.2	301.6	279.9	256.6	232.2	206.7
305	360.0	356.0	347.9	335.9	320.8	301.7	280.4	257.1	232.2	206.8
310	360.0	355.6	348.2	336.5	320.5	302.1	280.4	257.0	232.6	207.1
315	360.0	355.8	347.9	336.1	321.1	301.9	280.7	257.5	232.9	207.5
320	360.0	356.0	348.4	336.6	320.9	302.5	281.0	257.6	232.9	207.7
325	360.0	355.7	348.0	336.6	321.1	302.3	280.9	257.7	233.4	207.9
330	360.0	356.1	348.4	336.4	321.3	302.6	281.5	258.2	233.6	208.3
335	360.0	355.6	348.2	336.9	321.2	302.7	281.2	258.3	233.6	208.2
340	360.0	356.1	348.2	336.5	321.7	302.7	281.7	258.2	234.1	208.7
345	360.0	355.7	348.4	336.7	321.3	303.0	281.6	258.6	233.8	208.5
350	360.0	355.9	348.0	336.9	321.7	302.7	281.7	258.5	234.2	208.8
355	360.0	356.0	348.5	336.9	321.3	303.1	281.9	258.4	234.1	208.9
360	360.0	357.4	349.2	337.7	322.0	303.4	282.0	258.7	234.5	209.0

C\G	50	55	60	65	70	75	80	85	90
0	183.3	157.7	132.2	107.2	82.8	59.1	36.7	17.5	3.5
5	183.4	157.6	132.2	107.2	82.7	59.0	36.7	17.4	3.5
10	183.2	157.4	132.0	107.0	82.6	58.9	36.5	17.3	3.4
15	183.2	157.5	132.0	106.9	82.4	58.7	36.4	17.2	3.4
20	183.0	157.1	131.6	106.7	82.2	58.4	36.1	17.0	3.3
25	182.6	157.0	131.5	106.4	82.0	58.2	35.9	16.8	3.1
30	182.6	156.6	131.1	106.2	81.5	57.8	35.6	16.5	3.0
35	182.0	156.3	130.7	105.7	81.3	57.5	35.2	16.2	2.9
40	181.9	155.8	130.5	105.4	80.9	57.1	35.0	16.0	2.7
45	181.2	155.6	129.9	104.9	80.4	56.8	34.6	15.7	2.6
50	180.9	155.0	129.7	104.5	79.9	56.3	34.2	15.4	2.4
55	180.5	154.7	129.1	104.0	79.6	55.8	33.8	15.1	2.3
60	179.8	154.0	128.6	103.5	79.0	55.4	33.4	14.8	2.2
65	179.5	153.6	128.2	103.1	78.6	54.8	33.0	14.5	2.1
70	178.7	153.1	127.5	102.5	78.0	54.5	32.6	14.2	2.0
75	178.4	152.4	127.1	102.0	77.5	53.9	32.2	13.9	1.9
80	177.6	152.1	126.4	101.4	76.9	53.5	31.7	13.5	1.9
85	177.2	151.3	126.0	100.9	76.4	52.9	31.2	13.2	1.9
90	176.5	151.0	125.4	100.3	75.9	52.4	30.8	12.9	1.9
95	176.2	150.3	124.8	99.9	75.3	51.9	30.3	12.5	1.8
100	175.4	149.8	124.4	99.2	74.9	51.4	29.9	12.2	1.8

RP Lighting • Fans

Photometric Data Table [Unit:cd] 8538-90

105	175.2	149.4	123.8	98.8	74.3	51.0	29.5	11.9	1.8
110	174.6	148.8	123.5	98.3	73.9	50.5	29.1	11.5	1.8
115	174.2	148.5	122.9	97.9	73.5	50.1	28.7	11.3	1.8
120	173.9	147.9	122.5	97.5	73.1	49.7	28.3	11.0	1.8
125	173.4	147.7	122.1	97.0	72.8	49.4	28.0	10.7	1.8
130	173.3	147.2	121.8	96.8	72.3	49.0	27.7	10.5	1.8
135	172.7	147.0	121.4	96.4	72.1	48.7	27.4	10.3	1.8
140	172.7	146.8	121.3	96.2	71.7	48.4	27.2	10.1	1.7
145	172.5	146.5	121.0	95.9	71.5	48.2	26.9	9.9	1.7
150	172.2	146.5	120.8	95.7	71.4	48.0	26.7	9.8	1.7
155	172.3	146.2	120.8	95.7	71.2	47.8	26.6	9.7	1.7
160	172.0	146.2	120.5	95.5	71.1	47.8	26.5	9.6	1.7
165	172.2	146.2	120.6	95.6	71.1	47.6	26.4	9.5	1.7
170	172.1	146.3	120.7	95.5	71.0	47.6	26.4	9.4	1.7
175	172.2	146.2	120.6	95.6	71.1	47.6	26.4	9.5	1.7
180	172.5	146.6	120.9	95.7	71.2	47.7	26.4	9.5	1.6
185	172.4	146.5	120.9	95.8	71.3	47.8	26.5	9.6	1.6
190	172.9	146.9	121.1	96.1	71.5	47.9	26.6	9.6	1.6
195	173.0	147.2	121.5	96.2	71.6	48.2	26.7	9.7	1.6
200	173.3	147.4	121.7	96.6	72.0	48.3	26.9	9.8	1.6
205	173.8	147.8	122.1	96.8	72.2	48.7	27.1	9.9	1.6
210	173.9	148.0	122.3	97.2	72.6	48.9	27.3	10.1	1.6
215	174.6	148.6	122.9	97.6	73.0	49.3	27.7	10.3	1.6
220	174.9	148.8	123.2	98.1	73.3	49.6	28.0	10.5	1.6
225	175.3	149.3	123.6	98.4	73.8	50.0	28.3	10.7	1.6
230	175.7	149.7	124.2	98.9	74.1	50.5	28.8	11.1	1.6
235	176.3	150.2	124.5	99.3	74.7	50.9	29.2	11.4	1.6
240	176.5	150.8	125.1	99.9	75.1	51.4	29.6	11.7	1.6
245	177.1	151.0	125.4	100.3	75.6	51.9	30.1	12.1	1.7
250	177.3	151.7	126.0	100.7	76.2	52.4	30.5	12.5	1.7
255	177.9	151.9	126.4	101.3	76.6	52.9	31.0	12.9	1.7
260	178.2	152.5	127.0	101.6	77.2	53.5	31.5	13.2	1.8
265	178.5	152.8	127.2	102.2	77.5	53.9	32.0	13.6	1.8
270	179.1	153.2	127.8	102.6	78.1	54.4	32.4	13.9	1.9
275	179.2	153.7	128.1	103.1	78.5	54.8	32.9	14.3	2.0
280	179.8	153.8	128.5	103.5	78.9	55.3	33.3	14.6	2.1
285	179.9	154.3	128.9	103.8	79.4	55.7	33.7	14.9	2.2
290	180.3	154.7	129.2	104.3	79.7	56.1	34.1	15.4	2.3
295	180.6	155.0	129.8	104.5	80.2	56.6	34.5	15.6	2.4
300	180.8	155.2	129.9	105.0	80.6	56.9	34.9	16.0	2.6
305	181.3	155.7	130.3	105.3	80.9	57.4	35.1	16.2	2.7
310	181.3	155.8	130.6	105.6	81.3	57.6	35.5	16.5	2.9
315	181.9	156.3	130.9	106.0	81.6	57.9	35.8	16.7	3.0
320	181.9	156.4	131.2	106.1	81.8	58.2	36.0	16.9	3.1
325	182.4	156.7	131.3	106.5	82.2	58.4	36.3	17.1	3.2
330	182.6	157.0	131.7	106.6	82.3	58.7	36.4	17.3	3.3
335	182.7	157.1	131.8	106.9	82.5	58.8	36.6	17.4	3.4
340	183.0	157.4	132.0	107.0	82.6	59.0	36.7	17.5	3.5
345	182.9	157.3	132.1	107.2	82.7	59.1	36.8	17.6	3.5

RP Lighting • Fans

Photometric Data Table [Unit:cd] 8538-90

350	183.1	157.6	132.1	107.2	82.8	59.1	36.8	17.6	3.5
355	183.3	157.5	132.3	107.3	82.8	59.1	36.9	17.6	3.6
360	183.3	157.7	132.2	107.2	82.8	59.1	36.7	17.5	3.5

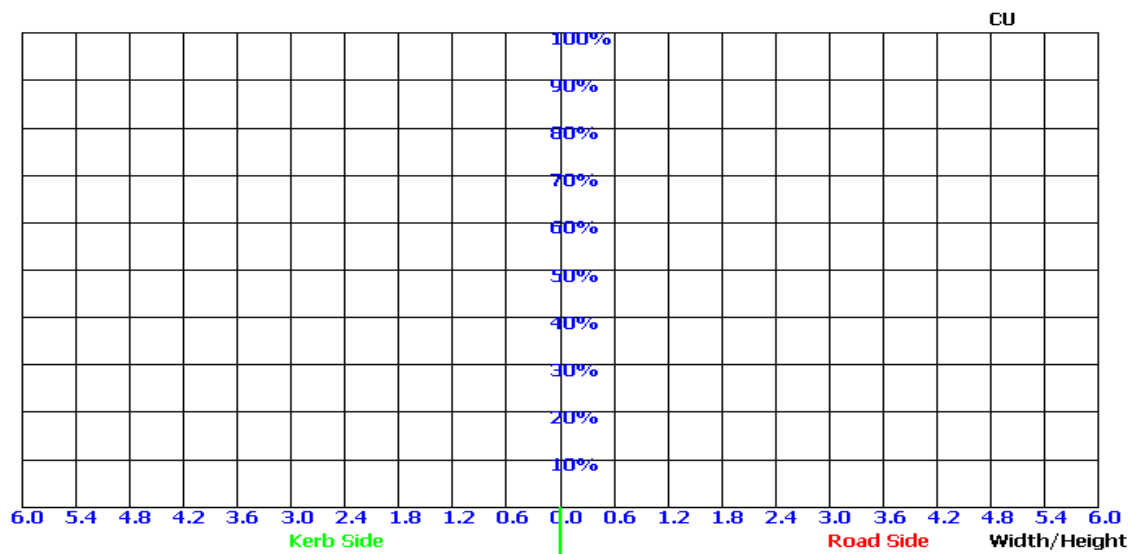
RP Lighting • Fans

Zonal Flux 8538-90

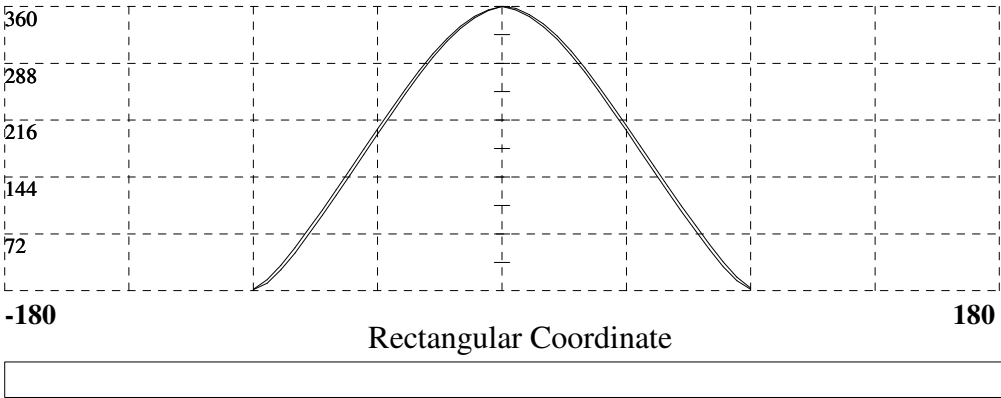
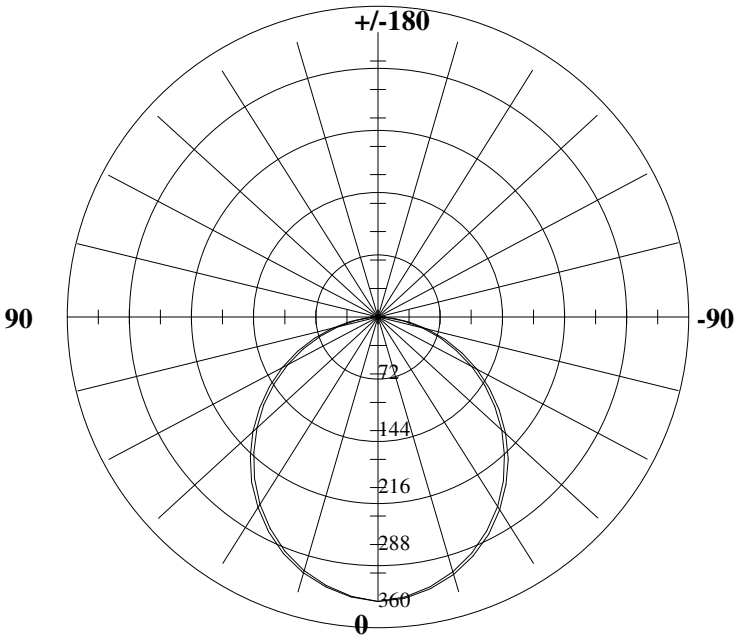
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	359.97	0.00	0.00	0.00	0.00
5	355.61	8.55	8.55	-855.45	-855.45
10	347.08	25.14	33.69	-2513.75	-3369.20
15	334.61	40.44	74.13	-4043.75	-7412.95
20	318.54	53.83	127.96	-5382.85	-12795.80
25	299.34	64.80	192.76	-6480.36	-19276.16
30	277.61	73.01	265.77	-7301.29	-26577.45
35	254.02	78.29	344.06	-7828.62	-34406.06
40	229.18	80.62	424.68	-8061.90	-42467.96
45	203.62	80.14	504.82	-8013.80	-50481.76
50	177.81	77.07	581.89	-7707.45	-58189.22
55	152.02	71.72	653.61	-7171.68	-65360.93
60	126.53	64.39	718.00	-6438.58	-71799.52
65	101.45	55.42	773.42	-5542.20	-77341.73
70	76.97	45.18	818.59	-4517.65	-81859.39
75	53.37	34.07	852.66	-3406.75	-85266.13
80	31.56	22.72	875.39	-2272.44	-87538.56
85	13.41	12.22	887.60	-1221.91	-88760.47
90	2.23	4.28	891.89	-428.20	-89188.64

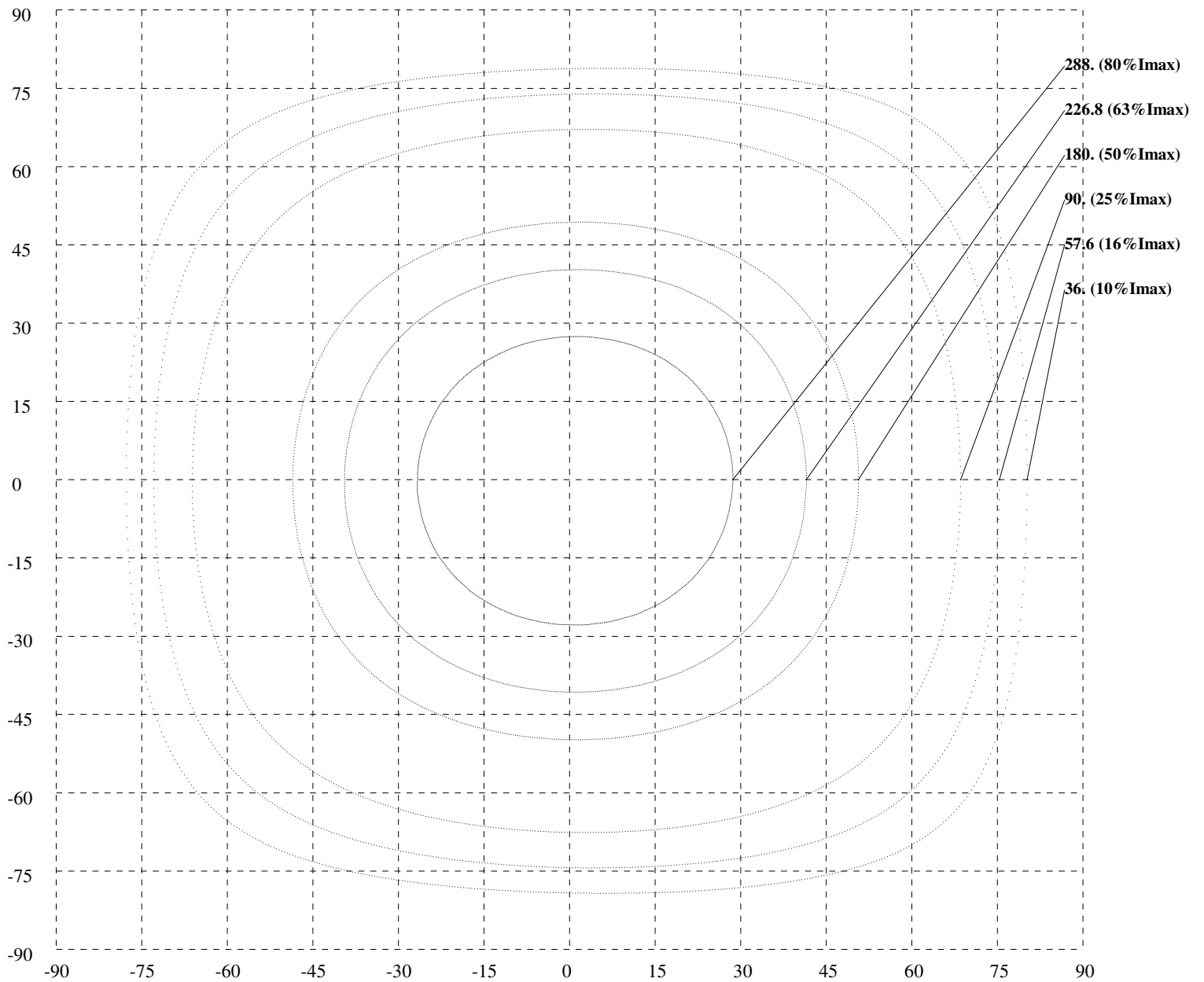
RP Lighting • Fans

Coefficient Utilization Curve 8538-90



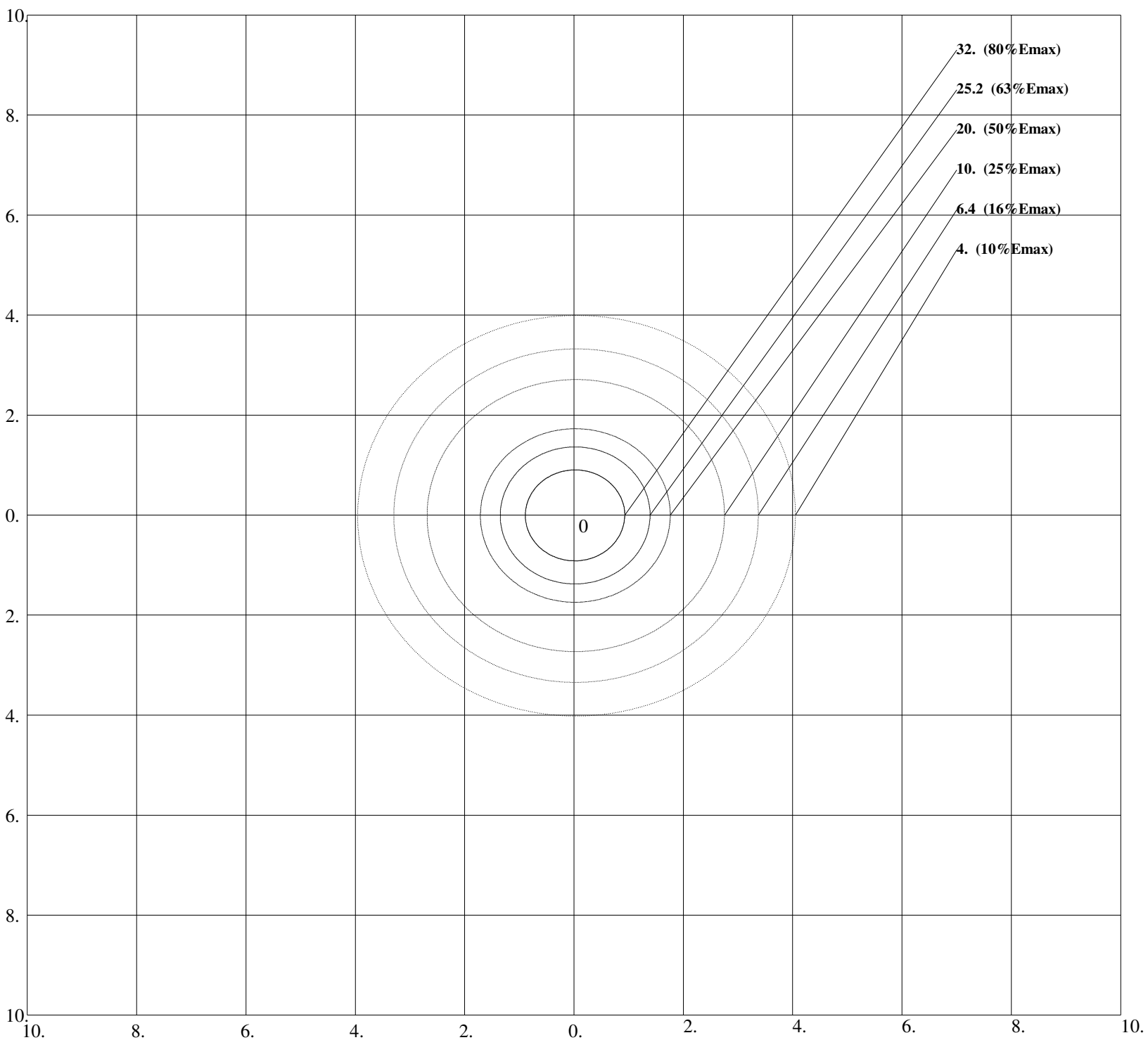
Light Distribution Curve[Unit: cd]





RP Lighting • Fans

Iso-Lux [Unit :lx] 8538-90



Units: lx
Height: 3 m
Max Illuminance : 40.lx

RP Lighting • Fans

Lux-Distance Curve

