

Test Report of Luminaire

Report No.:

Luminaire Type	8536-1WH-80-3K		
Lamp Type	LED		
Client		EUT NO.	CCT: 3000K, CRI: 80.7Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.135
Power:	14.9	Power Factor	0.918
Frequency:	60Hz	Tc	3000K
Photometric Parameters			
Luminaire Flux	1227.70 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	431.147cd	Central Intensity	431.148cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-122770.4%		
50%Imax Beam Width	C0_180[56.0 , -55.5] C90_270[55.7 , -56.5]		
Remark			

Luminaire Figure



RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8536-1WH-80

C\G	0	5	10	15	20	25	30	35	40	45
0	431.1	429.1	423.3	413.6	400.5	383.4	363.3	340.0	314.0	285.5
5	431.1	429.2	423.2	413.7	400.2	383.3	363.2	340.0	314.0	285.4
10	431.1	429.1	423.2	413.5	400.1	383.3	363.1	339.9	313.9	285.3
15	431.1	429.0	423.2	413.5	400.1	383.2	363.1	339.7	313.7	285.1
20	431.1	429.0	423.2	413.3	399.9	383.2	363.0	339.7	313.6	285.2
25	431.1	428.9	423.2	413.4	400.1	383.0	362.9	339.6	313.6	285.2
30	431.1	429.1	423.0	413.3	399.8	383.0	362.8	339.5	313.6	285.1
35	431.1	429.0	423.2	413.3	399.9	383.0	362.8	339.5	313.5	285.0
40	431.1	429.0	422.9	413.2	399.8	382.9	362.7	339.4	313.4	285.0
45	431.1	428.9	422.9	413.1	399.7	382.9	362.6	339.5	313.3	284.8
50	431.1	428.9	423.0	413.2	399.7	382.7	362.4	339.4	313.3	284.8
55	431.1	428.9	422.9	413.1	399.6	382.7	362.4	339.3	313.2	284.8
60	431.1	428.8	422.7	413.0	399.5	382.5	362.3	339.2	313.0	284.5
65	431.1	429.0	422.8	412.9	399.6	382.6	362.3	339.0	312.9	284.5
70	431.1	428.8	422.9	412.8	399.2	382.4	362.0	338.7	312.7	284.2
75	431.1	428.9	422.6	412.8	399.3	382.3	362.1	338.7	312.6	284.2
80	431.1	428.7	422.7	412.7	399.1	382.3	361.8	338.5	312.3	283.8
85	431.1	428.7	422.6	412.8	399.1	382.0	361.8	338.4	312.2	283.6
90	431.1	428.8	422.6	412.6	399.0	382.0	361.5	338.3	311.8	283.5
95	431.1	428.8	422.5	412.6	398.9	381.8	361.5	337.9	311.7	283.2
100	431.1	428.7	422.5	412.4	398.9	381.6	361.3	337.9	311.5	282.9
105	431.1	428.7	422.5	412.5	398.7	381.6	361.0	337.5	311.3	282.6
110	431.1	428.6	422.5	412.5	398.7	381.5	360.9	337.4	311.0	282.4
115	431.1	428.6	422.5	412.3	398.5	381.5	360.8	337.1	310.8	282.1
120	431.1	428.7	422.4	412.4	398.6	381.2	360.6	337.0	310.6	281.8
125	431.1	428.6	422.5	412.2	398.5	381.2	360.6	336.8	310.4	281.8
130	431.1	428.8	422.5	412.3	398.4	381.0	360.5	336.7	310.3	281.5
135	431.1	428.6	422.5	412.3	398.5	381.1	360.4	336.7	310.2	281.5
140	431.1	428.8	422.5	412.5	398.5	381.0	360.5	336.7	310.2	281.4
145	431.1	428.9	422.5	412.4	398.5	381.1	360.3	336.7	310.1	281.4
150	431.1	428.7	422.7	412.4	398.6	381.1	360.3	336.6	310.2	281.4
155	431.1	428.9	422.6	412.4	398.6	381.3	360.5	336.8	310.2	281.4
160	431.1	428.9	422.8	412.6	398.7	381.3	360.6	336.9	310.3	281.5
165	431.1	428.9	422.7	412.6	398.8	381.4	360.7	337.0	310.6	281.8
170	431.1	428.7	422.8	412.6	399.0	381.6	360.8	337.3	310.7	281.9
175	431.1	429.1	422.9	412.7	399.1	381.7	361.1	337.4	311.1	282.3
180	431.1	429.0	423.0	412.9	399.1	382.0	361.3	337.4	311.2	282.5
185	431.1	429.0	423.0	413.1	399.4	382.1	361.6	337.9	311.6	282.9
190	431.1	429.1	423.1	413.2	399.5	382.5	361.9	338.2	312.0	283.3
195	431.1	429.1	423.0	413.4	399.7	382.7	362.2	338.7	312.3	283.6
200	431.1	429.1	423.1	413.4	399.9	382.9	362.4	339.0	312.8	284.1
205	431.1	429.0	423.2	413.5	400.0	383.1	362.8	339.3	313.1	284.5
210	431.1	429.1	423.2	413.8	400.3	383.4	363.2	339.8	313.6	285.0
215	431.1	429.2	423.5	413.7	400.7	383.7	363.5	340.1	314.0	285.5
220	431.1	429.2	423.5	413.9	400.8	383.9	363.8	340.5	314.5	285.9
225	431.1	429.2	423.7	414.0	401.0	384.1	364.1	341.0	314.8	286.4
230	431.1	429.5	423.7	414.1	401.2	384.4	364.4	341.2	315.2	286.8
235	431.1	429.3	423.9	414.2	401.3	384.6	364.7	341.6	315.5	287.3

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8536-1WH-80

240	431.1	429.4	424.0	414.5	401.3	384.8	364.9	341.8	315.9	287.6
245	431.1	429.4	423.9	414.5	401.5	385.0	365.0	342.1	316.1	288.0
250	431.1	429.5	424.1	414.5	401.6	385.0	365.3	342.1	316.4	288.2
255	431.1	429.6	423.9	414.6	401.7	385.2	365.4	342.4	316.6	288.3
260	431.1	429.4	424.1	414.7	401.9	385.4	365.4	342.4	316.7	288.5
265	431.1	429.6	424.0	414.7	401.9	385.5	365.6	342.5	316.9	288.6
270	431.1	429.5	424.0	414.8	401.9	385.4	365.5	342.5	316.8	288.7
275	431.1	429.5	424.0	415.0	401.9	385.4	365.6	342.5	316.9	288.6
280	431.1	429.6	424.0	414.7	401.8	385.2	365.5	342.4	316.7	288.5
285	431.1	429.4	424.1	414.7	401.7	385.4	365.4	342.4	316.6	288.4
290	431.1	429.5	424.0	414.7	401.8	385.1	365.3	342.3	316.6	288.3
295	431.1	429.6	424.1	414.6	401.7	385.1	365.2	342.1	316.3	288.1
300	431.1	429.6	424.0	414.6	401.6	385.5	365.0	342.0	316.3	288.0
305	431.1	429.4	423.8	414.5	401.5	384.9	364.8	341.9	316.0	287.7
310	431.1	429.4	423.8	414.5	401.4	384.8	364.8	341.6	315.9	287.6
315	431.1	429.4	424.0	414.3	401.3	384.5	364.5	341.5	315.7	287.4
320	431.1	429.3	423.9	414.3	401.3	384.4	364.4	341.4	315.4	287.2
325	431.1	429.5	423.8	414.3	401.1	384.4	364.2	341.1	315.2	286.9
330	431.1	429.4	423.8	414.2	400.9	384.1	364.0	340.9	315.1	286.8
335	431.1	429.5	423.6	414.3	400.9	384.1	363.9	340.8	314.9	286.6
340	431.1	429.3	423.6	413.9	400.8	383.9	363.7	340.7	314.7	286.3
345	431.1	429.2	423.4	414.0	400.6	383.8	363.7	340.4	314.6	286.2
350	431.1	429.2	423.5	413.8	400.5	383.8	363.5	340.3	314.3	286.0
355	431.1	429.3	423.4	413.7	400.4	383.4	363.5	340.2	314.1	285.8
360	431.1	429.1	423.3	413.6	400.5	383.4	363.3	340.0	314.0	285.5

C\G	50	55	60	65	70	75	80	85	90
0	255.1	222.6	188.6	153.2	117.4	82.5	49.6	20.5	0.7
5	255.1	222.5	188.5	153.1	117.4	82.4	49.6	20.4	0.7
10	254.9	222.3	188.4	153.0	117.3	82.3	49.5	20.3	0.7
15	254.8	222.3	188.3	152.9	117.3	82.3	49.5	20.2	0.7
20	254.7	222.2	188.0	152.8	117.2	82.3	49.4	20.0	0.7
25	254.5	222.1	188.1	152.8	117.2	82.2	49.4	19.9	0.7
30	254.5	222.0	188.0	152.7	117.1	82.2	49.4	19.8	0.7
35	254.4	221.9	187.9	152.7	117.1	82.2	49.3	19.7	0.7
40	254.3	221.9	187.9	152.6	117.0	82.1	49.3	19.6	0.7
45	254.4	221.7	187.8	152.5	117.0	82.1	49.2	19.4	0.7
50	254.1	221.7	187.7	152.4	116.9	82.0	49.1	19.3	0.7
55	254.1	221.6	187.6	152.3	116.8	81.9	49.0	19.1	0.7
60	253.9	221.5	187.4	152.2	116.8	81.8	48.9	19.0	0.7
65	253.8	221.4	187.3	152.1	116.5	81.7	48.8	18.9	0.7
70	253.7	221.2	187.2	151.9	116.4	81.5	48.6	18.7	0.7
75	253.5	221.0	186.9	151.7	116.2	81.3	48.4	18.6	0.7
80	253.4	220.7	186.7	151.4	115.9	81.1	48.2	18.4	0.7
85	253.1	220.5	186.4	151.2	115.7	80.8	48.0	18.3	0.7
90	252.8	220.3	186.2	150.9	115.4	80.5	47.7	18.1	0.7
95	252.6	220.0	185.9	150.6	115.1	80.2	47.5	17.9	0.7
100	252.2	219.7	185.6	150.3	114.7	79.9	47.2	17.8	0.7

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8536-1WH-80

105	252.0	219.3	185.3	149.9	114.4	79.6	46.9	17.6	0.7
110	251.6	219.0	185.0	149.6	114.1	79.2	46.6	17.5	0.7
115	251.4	218.7	184.5	149.2	113.7	78.9	46.4	17.4	0.7
120	251.1	218.4	184.4	149.0	113.3	78.6	46.1	17.2	0.7
125	250.9	218.2	184.1	148.7	113.1	78.3	45.9	17.2	0.7
130	250.7	218.1	183.9	148.5	112.9	78.0	45.6	17.1	0.7
135	250.6	217.8	183.7	148.3	112.6	77.8	45.5	17.1	0.7
140	250.5	217.8	183.6	148.1	112.5	77.7	45.4	17.0	0.7
145	250.4	217.7	183.6	148.1	112.4	77.6	45.3	17.1	0.7
150	250.5	217.7	183.6	148.1	112.4	77.6	45.3	17.1	0.7
155	250.5	217.8	183.7	148.2	112.5	77.6	45.3	17.2	0.7
160	250.7	217.9	183.8	148.4	112.7	77.8	45.5	17.3	0.7
165	250.8	218.1	184.0	148.6	112.9	78.0	45.7	17.5	0.7
170	251.1	218.4	184.2	148.8	113.2	78.4	46.1	17.8	0.7
175	251.3	218.6	184.6	149.1	113.5	78.7	46.4	18.0	0.7
180	251.7	219.0	184.9	149.6	114.0	79.2	46.8	18.3	0.7
185	252.0	219.4	185.3	150.0	114.5	79.7	47.3	18.7	0.7
190	252.4	219.8	185.8	150.5	114.9	80.2	47.8	19.1	0.7
195	252.8	220.3	186.3	151.0	115.5	80.8	48.3	19.4	0.7
200	253.3	220.7	186.8	151.6	116.1	81.4	48.9	19.8	0.7
205	253.9	221.2	187.3	152.1	116.7	82.0	49.4	20.2	0.7
210	254.4	221.9	187.8	152.7	117.3	82.6	50.0	20.6	0.7
215	254.9	222.4	188.5	153.3	117.9	83.1	50.5	21.0	0.7
220	255.3	222.8	189.0	153.8	118.5	83.6	51.0	21.4	0.7
225	255.9	223.4	189.5	154.4	119.0	84.2	51.5	21.8	0.8
230	256.3	223.8	190.0	154.9	119.5	84.7	51.9	22.1	0.8
235	256.7	224.3	190.5	155.4	119.9	85.2	52.3	22.4	0.8
240	257.1	224.8	190.9	155.8	120.4	85.6	52.7	22.7	0.8
245	257.4	225.1	191.3	156.2	120.7	85.9	52.9	22.9	0.8
250	257.7	225.4	191.6	156.5	121.1	86.2	53.2	23.1	0.8
255	258.0	225.7	191.8	156.8	121.3	86.4	53.4	23.3	0.8
260	258.2	225.8	192.1	157.0	121.5	86.6	53.5	23.4	0.8
265	258.2	226.0	192.2	157.1	121.6	86.6	53.6	23.5	0.8
270	258.3	226.0	192.3	157.2	121.6	86.7	53.6	23.6	0.8
275	258.3	226.0	192.3	157.1	121.6	86.7	53.5	23.6	0.8
280	258.2	226.0	192.2	157.1	121.5	86.6	53.5	23.5	0.8
285	258.2	225.9	192.0	156.9	121.4	86.4	53.3	23.4	0.8
290	258.0	225.7	191.9	156.8	121.2	86.3	53.1	23.3	0.8
295	257.8	225.5	191.8	156.6	121.0	86.0	52.9	23.2	0.8
300	257.5	225.3	191.4	156.3	120.7	85.7	52.7	23.0	0.8
305	257.5	225.1	191.2	156.1	120.4	85.4	52.3	22.8	0.8
310	257.3	224.9	191.0	155.8	120.1	85.0	52.0	22.6	0.8
315	257.0	224.7	190.8	155.4	119.7	84.6	51.7	22.3	0.8
320	256.8	224.4	190.5	155.2	119.4	84.3	51.4	22.1	0.8
325	256.6	224.1	190.1	154.8	119.1	83.9	51.0	21.9	0.8
330	256.3	223.9	189.9	154.5	118.7	83.6	50.8	21.7	0.8
335	256.2	223.7	189.6	154.2	118.5	83.3	50.5	21.5	0.8
340	255.9	223.5	189.4	154.0	118.3	83.1	50.3	21.3	0.8
345	255.6	223.3	189.2	153.8	118.0	82.8	50.0	21.1	0.8

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8536-1WH-80

350	255.5	223.1	189.0	153.6	117.8	82.7	49.9	20.9	0.8
355	255.4	222.9	188.8	153.4	117.6	82.6	49.7	20.7	0.8
360	255.1	222.6	188.6	153.2	117.4	82.5	49.6	20.5	0.7

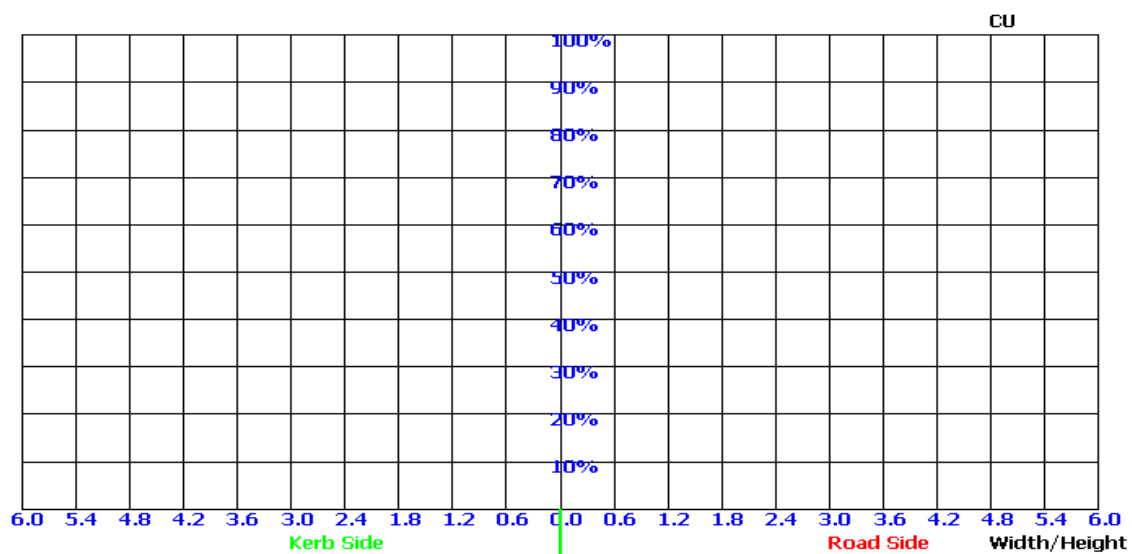
RP Lighting + Fans

Zonal Flux 8536-1WH-90

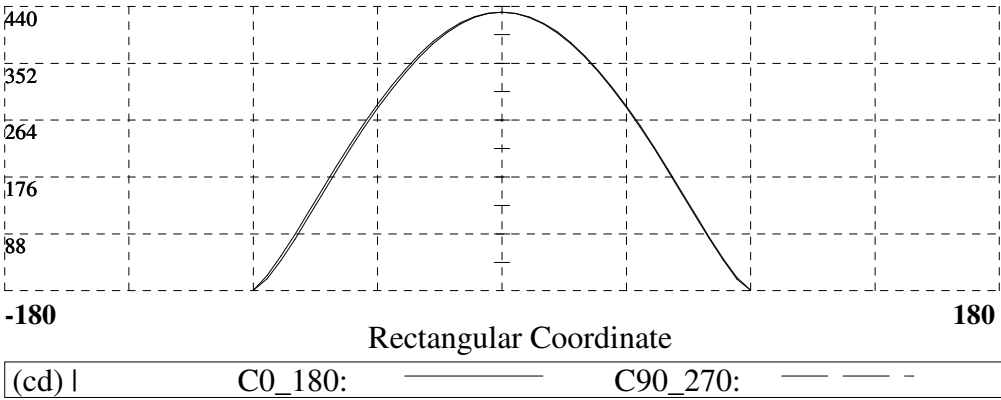
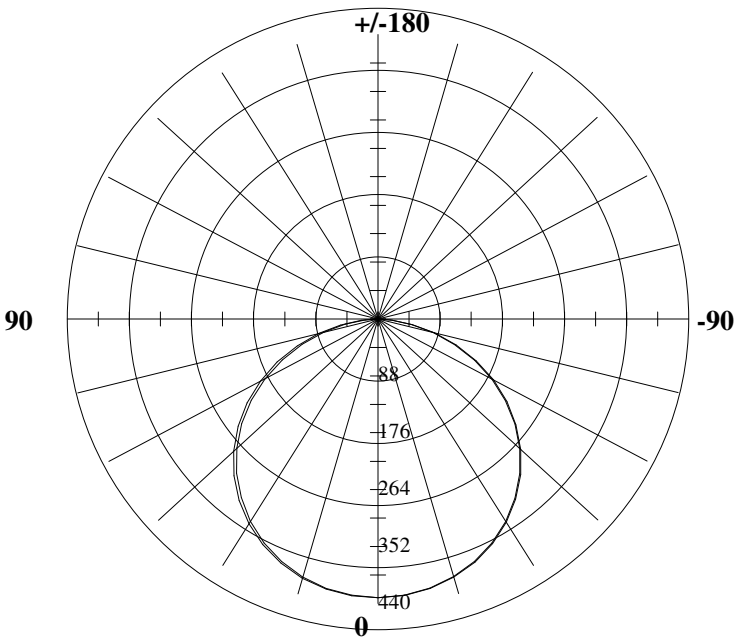
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	431.15	0.00	0.00	0.00	0.00
5	429.09	10.28	10.28	-1028.39	-1028.39
10	423.24	30.49	40.77	-3049.06	-4077.45
15	413.49	49.63	90.41	-4963.40	-9040.85
20	400.11	67.05	157.46	-6705.16	-15746.01
25	383.18	82.15	239.61	-8215.18	-23961.19
30	362.92	94.42	334.03	-9441.90	-33403.09
35	339.61	103.45	437.48	-10345.20	-43748.29
40	313.51	108.97	546.45	-10896.79	-54645.09
45	285.03	110.82	657.28	-11082.41	-65727.50
50	254.45	109.01	766.28	-10900.87	-76628.39
55	221.96	103.59	869.87	-10358.61	-86986.97
60	187.95	94.75	964.62	-9474.88	-96461.85
65	152.70	82.81	1047.43	-8281.17	-104743.03
70	117.10	68.31	1115.75	-6831.47	-111574.51
75	82.21	52.10	1167.84	-5209.68	-116784.14
80	49.46	35.23	1203.07	-3523.09	-120307.21
85	20.14	18.91	1221.98	-1891.15	-122198.38
90	0.75	5.72	1227.70	-571.98	-122770.34

RP Lighting + Fans

Coefficient Utilization Curve 8536-1WH-80

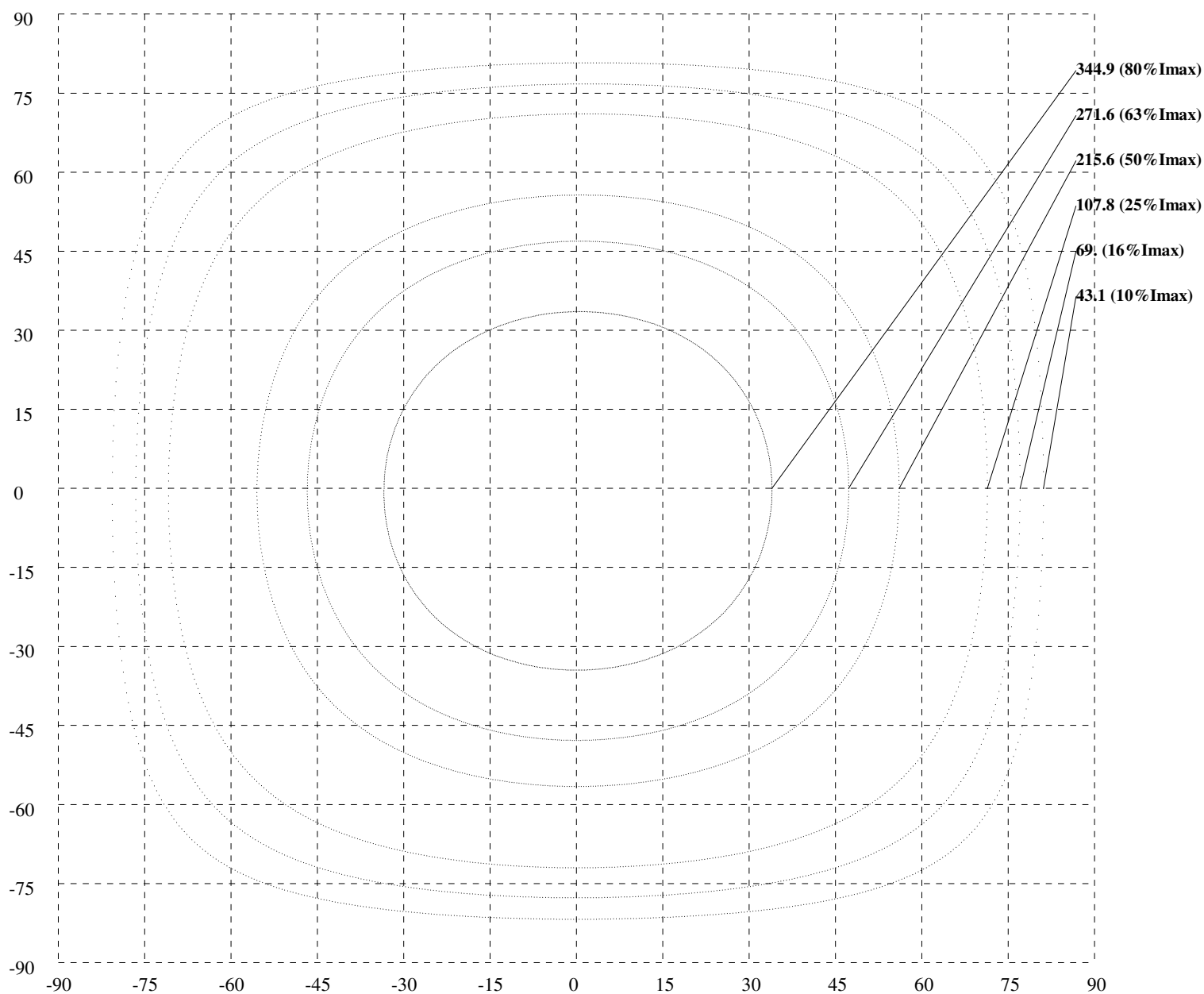


Light Distribution Curve[Unit: cd]



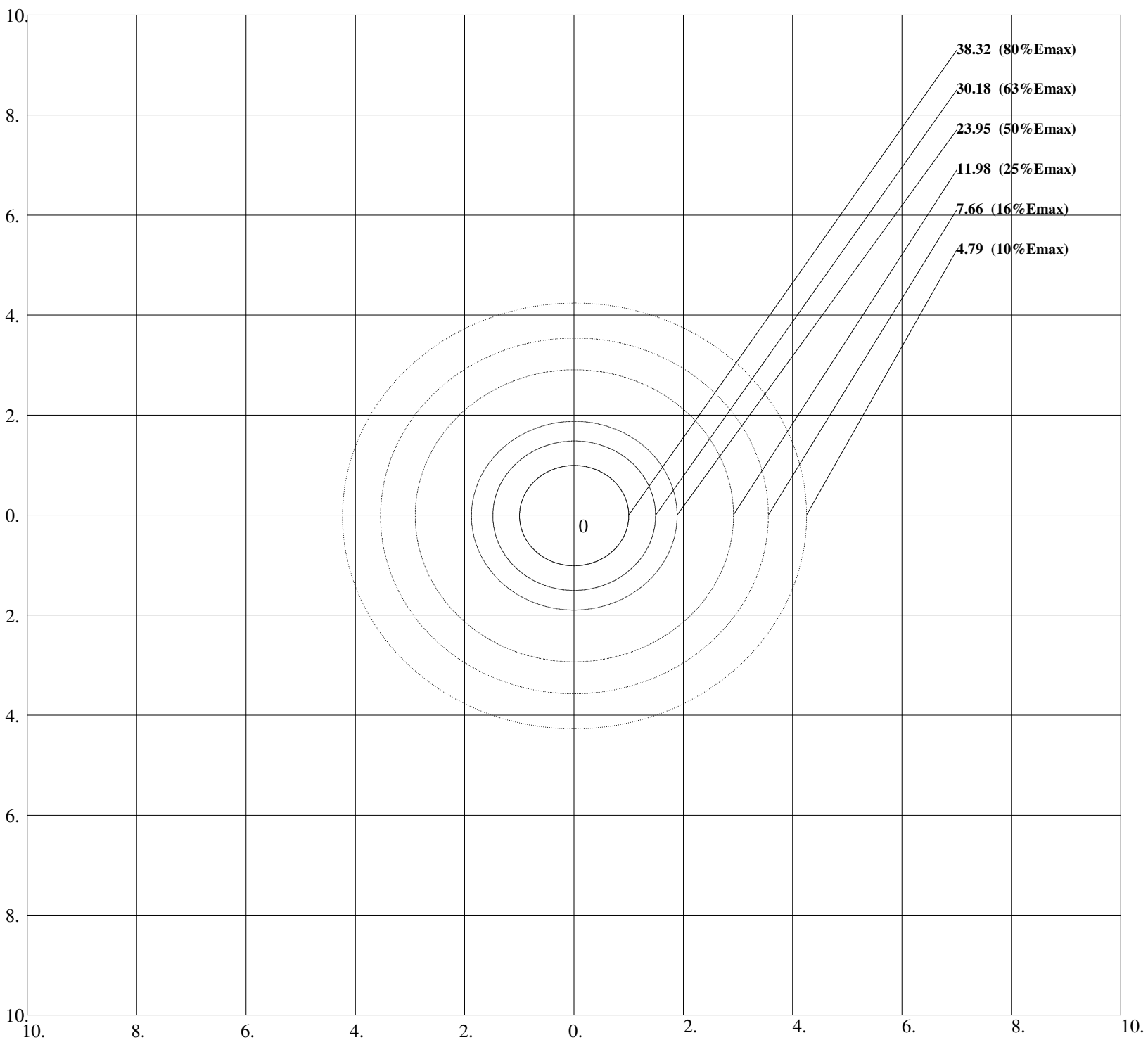
RP Lighting + Fans

ISO-Candela V-H [Unit :cd] 8536-1WH-80



RP Lighting + Fans

Iso-Lux [Unit :lx] 8536-1WH-80



Units: lx
Height: 3 m
Max Illuminance : 47.91lx

RP Lighting + Fans

Lux-Distance Curve

