

Test Report of Luminaire

Report No.:

Luminaire Type	8536-1WH-90-3K		
Lamp Type	LED		
Client		EUT NO.	CCT: 2881K, CRI: 92.4Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.142
Power:	15.5	Power Factor	0.907
Frequency:	60Hz	Tc	3000K
Photometric Parameters			
Luminaire Flux	1080.02 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	384.369cd	Central Intensity	384.369cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-108001.8%		
50%Imax Beam Width	C0_180[55.8 ,-55.6] C90_270[54.6 ,-55.6]		
Remark			

Luminaire Figure



RP Lighting + Fans

Photometric Data Table [Unit:cd] 8536-1WH-90

C\G	0	5	10	15	20	25	30	35	40	45
0	384.4	382.3	376.3	366.7	355.1	339.9	321.8	301.2	278.0	252.7
5	384.4	382.3	376.2	367.1	355.0	339.7	321.6	300.9	277.8	252.5
10	384.4	382.1	376.1	366.9	354.7	339.6	321.3	300.7	277.4	252.1
15	384.4	382.2	376.1	366.8	354.6	338.9	321.1	300.3	277.0	251.8
20	384.4	382.1	375.9	366.5	354.4	339.0	320.7	300.1	276.7	251.4
25	384.4	382.1	375.9	366.4	354.3	338.5	320.5	299.7	276.4	251.0
30	384.4	381.9	375.9	366.6	354.0	338.5	320.3	299.4	276.0	250.7
35	384.4	382.0	375.8	366.3	353.9	338.4	320.0	299.1	275.7	250.2
40	384.4	381.8	375.6	366.2	353.7	338.1	319.8	298.7	275.2	249.8
45	384.4	381.9	375.4	365.8	353.6	337.9	319.4	298.4	274.8	249.3
50	384.4	381.8	375.5	365.4	353.4	337.7	319.2	297.9	274.4	248.9
55	384.4	381.7	375.4	365.6	353.2	337.4	318.9	297.6	274.0	248.5
60	384.4	381.6	375.3	365.7	353.0	337.3	318.6	297.3	273.8	248.0
65	384.4	381.2	375.1	365.4	352.8	337.0	318.4	297.0	273.4	247.7
70	384.4	381.7	375.1	365.5	352.8	336.9	318.2	296.8	273.1	247.4
75	384.4	381.7	374.6	365.5	352.6	336.8	318.0	296.6	272.9	247.1
80	384.4	381.7	374.6	365.3	352.6	336.6	317.8	296.4	272.7	246.9
85	384.4	381.6	374.6	365.5	352.5	336.6	317.8	296.4	272.7	246.7
90	384.4	381.6	374.9	365.3	352.5	336.5	317.7	296.3	272.6	246.7
95	384.4	381.7	375.0	365.5	352.5	336.5	317.7	296.3	272.6	246.6
100	384.4	381.6	375.0	365.4	352.5	336.6	317.7	296.4	272.6	246.7
105	384.4	381.7	375.0	365.5	352.6	336.6	317.9	296.4	272.7	246.8
110	384.4	381.6	375.1	365.5	352.6	336.8	318.0	296.6	272.9	247.0
115	384.4	381.8	375.2	365.5	352.8	336.9	318.2	296.8	273.1	247.2
120	384.4	381.7	375.3	365.8	353.0	337.2	318.5	297.1	273.4	247.4
125	384.4	381.7	375.3	365.8	353.2	337.4	318.7	297.4	273.7	247.8
130	384.4	381.8	375.4	366.0	353.4	337.7	319.0	297.7	274.0	248.3
135	384.4	381.7	375.6	366.1	353.5	338.0	319.2	298.1	274.5	248.6
140	384.4	381.9	375.6	366.3	353.7	338.1	319.7	298.4	274.9	249.2
145	384.4	381.8	375.6	366.4	353.9	338.6	319.9	298.9	275.4	249.7
150	384.4	382.0	375.8	366.6	354.2	338.7	320.3	299.2	275.7	250.1
155	384.4	382.0	375.9	366.9	354.4	339.0	320.6	299.6	276.1	250.5
160	384.4	382.0	376.0	366.8	354.7	339.2	320.8	299.9	276.5	251.0
165	384.4	381.9	376.0	367.0	354.6	339.4	321.2	300.1	276.7	251.2
170	384.4	382.1	376.0	367.1	354.9	339.6	321.3	300.4	277.1	251.7
175	384.4	382.1	376.2	367.3	355.0	339.8	321.6	300.6	277.3	251.8
180	384.4	382.1	376.1	367.3	355.2	340.0	321.7	300.9	277.5	252.1
185	384.4	382.2	376.2	367.4	355.2	340.1	321.9	301.0	277.7	252.3
190	384.4	382.1	376.3	367.4	355.4	340.1	322.0	301.3	277.9	252.4
195	384.4	382.2	376.3	367.5	355.4	340.3	322.1	301.2	277.9	252.6
200	384.4	382.2	376.5	367.5	355.4	340.2	322.2	301.4	278.1	252.6
205	384.4	382.2	376.0	367.6	355.5	340.4	322.2	301.3	278.0	252.7
210	384.4	382.2	376.0	367.5	355.5	340.4	322.2	301.3	278.0	252.6
215	384.4	382.2	376.4	367.6	355.5	340.3	322.2	301.3	278.0	252.6
220	384.4	382.2	376.4	367.6	355.6	340.3	322.1	301.2	278.0	252.5
225	384.4	382.2	376.5	367.6	355.5	340.3	322.1	301.2	277.9	252.4
230	384.4	382.3	376.5	367.5	355.6	340.2	322.1	301.1	277.8	252.4
235	384.4	382.2	376.4	367.6	355.5	340.2	322.0	301.1	277.8	252.3

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8536-1WH-90

240	384.4	382.3	376.5	367.5	355.5	340.1	322.0	301.0	277.8	252.3
245	384.4	382.1	376.3	367.6	355.4	340.2	322.0	301.0	277.8	252.3
250	384.4	382.2	376.4	367.6	355.4	340.1	322.0	301.0	277.7	252.2
255	384.4	382.2	376.4	367.5	355.5	340.2	321.9	301.1	277.7	252.4
260	384.4	382.2	376.4	367.5	355.4	340.2	321.9	301.1	277.8	252.4
265	384.4	382.2	376.4	367.6	355.5	340.2	322.1	301.1	277.8	252.4
270	384.4	382.0	376.4	367.5	355.4	340.1	322.0	301.3	277.9	252.5
275	384.4	382.2	376.4	367.5	355.5	340.3	322.1	301.2	278.0	252.6
280	384.4	382.1	376.4	367.6	355.5	340.1	322.1	301.3	278.0	252.7
285	384.4	382.1	376.5	367.5	355.5	340.3	322.2	301.4	278.1	252.8
290	384.4	382.1	376.4	367.6	355.4	340.3	322.2	301.5	278.2	252.9
295	384.4	382.2	376.5	367.6	355.6	340.3	322.3	301.6	278.3	252.9
300	384.4	382.1	376.2	367.6	355.5	340.4	322.4	301.5	278.1	253.1
305	384.4	382.1	376.4	367.7	355.6	340.4	322.4	301.7	278.1	253.1
310	384.4	382.0	376.3	367.5	355.5	340.4	322.5	301.7	278.5	253.3
315	384.4	381.9	376.5	367.5	355.6	340.5	322.5	301.8	278.8	253.4
320	384.4	382.0	376.2	367.5	355.6	340.4	322.5	301.8	278.7	253.4
325	384.4	381.8	375.8	367.5	355.4	340.5	322.5	301.8	278.8	253.5
330	384.4	381.9	376.0	367.5	355.6	340.4	322.4	301.8	278.8	253.5
335	384.4	381.8	376.2	367.4	355.5	340.4	322.4	301.8	278.8	253.5
340	384.4	381.8	376.2	367.4	355.4	340.3	322.4	301.7	278.7	253.4
345	384.4	381.7	376.0	367.3	355.3	340.2	322.3	301.6	278.5	253.3
350	384.4	381.7	376.0	367.2	355.2	340.1	322.1	301.6	278.4	253.2
355	384.4	381.7	376.0	367.1	355.1	340.0	322.0	301.2	277.9	252.9
360	384.4	382.3	376.3	366.7	355.1	339.9	321.8	301.2	278.0	252.7

C\G	50	55	60	65	70	75	80	85	90
0	225.6	196.9	166.8	135.6	104.2	73.7	44.7	18.3	0.5
5	225.3	196.6	166.5	135.3	104.0	73.4	44.4	18.1	0.5
10	224.9	196.2	166.1	134.9	103.5	73.0	44.1	17.8	0.5
15	224.6	195.9	165.6	134.4	103.2	72.6	43.7	17.5	0.5
20	224.1	195.4	165.3	134.0	102.8	72.3	43.4	17.3	0.5
25	223.8	195.0	164.8	133.5	102.2	71.8	43.0	17.0	0.5
30	223.3	194.5	164.3	133.2	101.8	71.4	42.6	16.7	0.5
35	223.0	194.1	163.9	132.7	101.4	70.9	42.2	16.5	0.5
40	222.5	193.7	163.4	132.1	100.9	70.4	41.8	16.2	0.5
45	222.0	193.1	162.9	131.9	100.2	69.9	41.4	15.9	0.5
50	221.6	192.7	162.3	131.2	99.9	69.4	41.0	15.6	0.5
55	221.0	192.2	161.7	130.6	99.3	68.9	40.5	15.3	0.5
60	220.6	191.7	161.3	130.1	98.8	68.4	40.0	15.0	0.5
65	220.3	191.3	160.9	129.6	98.4	68.0	39.7	14.8	0.5
70	219.8	190.9	160.6	129.3	98.0	67.6	39.4	14.6	0.5
75	219.6	190.6	160.3	128.9	97.7	67.3	39.1	14.4	0.5
80	219.4	190.3	160.0	129.0	97.4	67.0	38.8	14.2	0.5
85	219.2	190.2	159.8	128.4	97.2	66.9	38.7	14.1	0.5
90	219.1	190.1	159.7	128.3	97.1	66.7	38.6	14.0	0.5
95	219.0	190.0	159.6	128.3	97.1	66.7	38.6	14.0	0.5
100	219.1	190.1	159.7	128.3	97.1	66.8	38.6	14.0	0.5

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8536-1WH-90

105	219.2	190.2	159.7	128.5	97.3	66.9	38.8	14.1	0.5
110	219.4	190.3	159.9	128.6	97.5	67.2	39.0	14.2	0.5
115	219.7	190.6	160.1	129.2	97.7	67.5	39.3	14.4	0.5
120	219.9	190.9	160.5	129.3	98.2	67.9	39.6	14.6	0.5
125	220.3	191.3	161.0	129.6	98.6	68.3	40.0	14.9	0.5
130	220.8	191.7	161.4	130.1	99.1	68.8	40.4	15.1	0.5
135	221.2	192.2	161.8	130.6	99.6	69.2	40.9	15.4	0.5
140	221.7	192.7	162.4	131.1	100.0	69.9	41.3	15.7	0.5
145	222.2	193.1	163.0	131.8	100.6	70.3	41.7	16.0	0.5
150	222.7	193.7	163.4	132.2	101.1	70.8	42.1	16.3	0.5
155	223.2	194.1	163.9	132.6	101.5	71.2	42.5	16.6	0.5
160	223.5	194.6	164.3	133.1	102.0	71.6	42.8	16.8	0.5
165	223.9	194.9	164.7	133.5	102.3	71.9	43.1	17.1	0.5
170	224.2	195.2	164.8	133.8	102.6	72.2	43.4	17.3	0.5
175	224.5	195.5	165.2	134.0	102.8	72.5	43.6	17.4	0.5
180	224.8	195.7	165.4	134.3	103.1	72.6	43.7	17.6	0.5
185	225.0	196.0	165.6	134.5	103.3	72.8	43.9	17.8	0.5
190	225.2	196.1	165.9	134.7	103.4	72.9	44.0	17.8	0.6
195	225.3	196.2	166.0	134.8	103.5	73.1	44.1	18.0	0.5
200	225.4	196.3	166.1	134.9	103.6	73.1	44.2	18.1	0.5
205	225.3	196.3	166.0	134.8	103.6	73.0	44.2	18.1	0.5
210	225.4	196.4	166.2	134.8	103.6	73.0	44.2	18.2	0.5
215	225.3	196.3	166.1	134.7	103.5	72.9	44.1	18.1	0.5
220	225.2	196.3	165.8	134.6	103.6	72.9	44.1	18.1	0.5
225	225.2	196.1	165.9	134.6	103.5	72.7	43.9	18.1	0.5
230	225.1	196.1	165.7	134.3	103.2	72.6	43.9	18.1	0.5
235	225.1	196.0	165.7	134.4	103.1	72.5	43.7	18.0	0.5
240	225.0	196.0	165.6	134.4	103.0	72.4	43.6	18.1	0.5
245	224.9	195.9	165.5	134.2	102.9	72.3	43.6	18.0	0.5
250	224.9	195.9	165.4	134.2	102.8	72.2	43.5	18.0	0.6
255	225.0	196.0	165.4	134.2	102.8	72.2	43.5	18.0	0.6
260	225.0	195.9	165.6	134.2	102.9	72.2	43.6	18.1	0.6
265	225.1	196.1	165.5	134.4	102.9	72.3	43.6	18.2	0.6
270	225.2	196.1	165.6	134.5	103.1	72.4	43.7	18.3	0.6
275	225.3	196.3	165.6	134.6	103.2	72.6	43.9	18.3	0.6
280	225.4	196.4	165.9	134.8	103.4	72.7	44.0	18.5	0.6
285	225.4	196.5	166.1	135.0	103.5	72.9	44.2	18.6	0.6
290	225.6	196.6	166.3	135.1	103.8	73.1	44.3	18.7	0.6
295	225.7	196.8	166.5	135.3	103.9	73.3	44.5	18.8	0.6
300	225.9	196.9	166.7	135.6	104.2	73.5	44.7	18.9	0.6
305	225.9	197.1	166.8	135.8	104.4	73.8	44.9	19.0	0.6
310	226.1	197.2	167.0	136.2	104.6	74.0	45.1	19.1	0.6
315	226.2	197.3	167.2	136.1	104.8	74.1	45.2	19.2	0.6
320	226.4	197.5	167.3	136.2	105.0	74.3	45.3	19.2	0.6
325	226.4	197.5	167.4	136.2	105.1	74.4	45.4	19.2	0.6
330	226.4	197.7	167.4	136.2	105.1	74.5	45.5	19.2	0.6
335	226.5	197.6	167.5	136.3	105.1	74.5	45.5	19.1	0.6
340	226.4	197.5	167.4	136.2	105.1	74.5	45.4	19.0	0.6
345	226.2	197.5	167.3	136.1	105.0	74.3	45.3	18.9	0.6

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8536-1WH-90

350	226.1	197.2	167.1	135.9	104.8	74.2	45.2	18.7	0.6
355	225.8	197.0	166.8	135.7	104.6	74.0	44.9	18.5	0.5
360	225.6	196.9	166.8	135.6	104.2	73.7	44.7	18.3	0.5

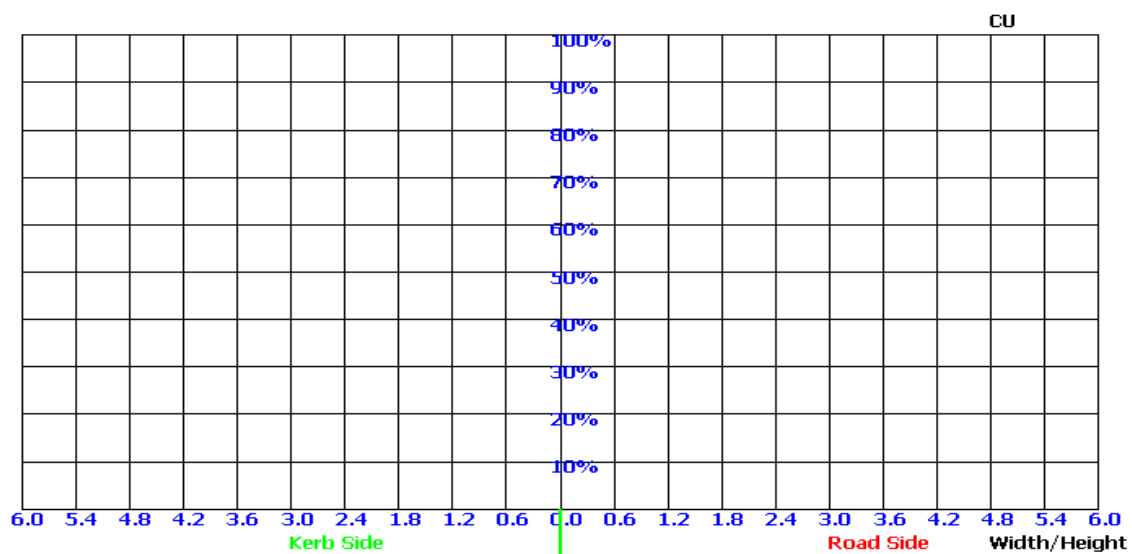
RP Lighting + Fans

Zonal Flux 8536-1WH-90

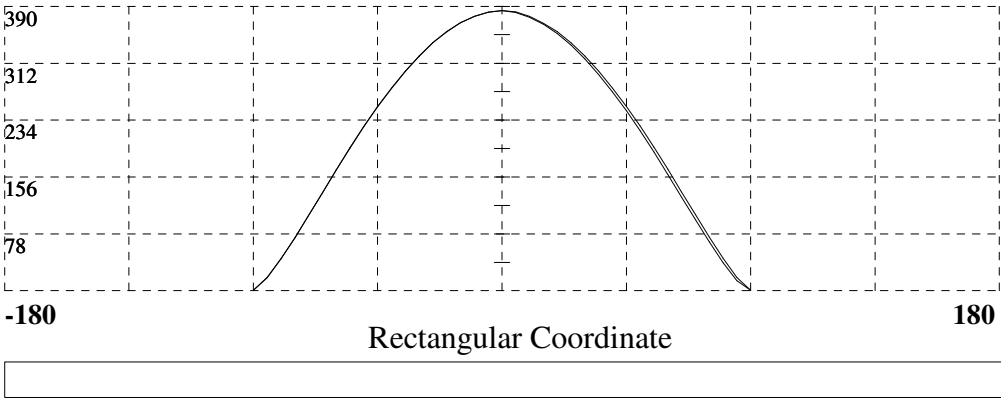
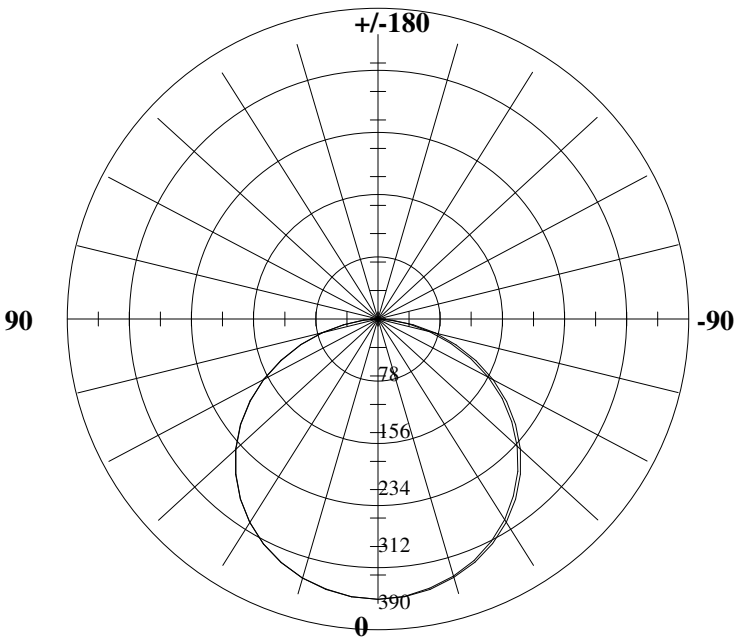
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	384.37	0.00	0.00	0.00	0.00
5	381.95	9.16	9.16	-916.11	-916.11
10	375.89	27.11	36.27	-2711.02	-3627.14
15	366.81	44.06	80.33	-4405.65	-8032.79
20	354.52	59.45	139.78	-5944.82	-13977.61
25	339.12	72.75	212.53	-7275.08	-21252.69
30	320.82	83.52	296.04	-8351.72	-29604.41
35	299.87	91.40	387.45	-9140.17	-38744.56
40	276.48	96.16	483.61	-9615.94	-48360.50
45	250.99	97.67	581.27	-9766.52	-58127.04
50	223.67	95.91	677.18	-9591.23	-67718.28
55	194.71	90.97	768.15	-9096.97	-76815.30
60	164.39	83.01	851.16	-8300.56	-85115.88
65	133.19	72.34	923.50	-7234.40	-92350.27
70	101.95	59.54	983.04	-5954.09	-98304.36
75	71.45	45.32	1028.37	-4532.44	-102836.80
80	42.77	30.56	1058.93	-3056.05	-105892.87
85	17.09	16.26	1075.19	-1626.33	-107519.19
90	0.54	4.83	1080.02	-482.72	-108001.90

RP Lighting + Fans

Coefficient Utilization Curve 8536-1WH-90

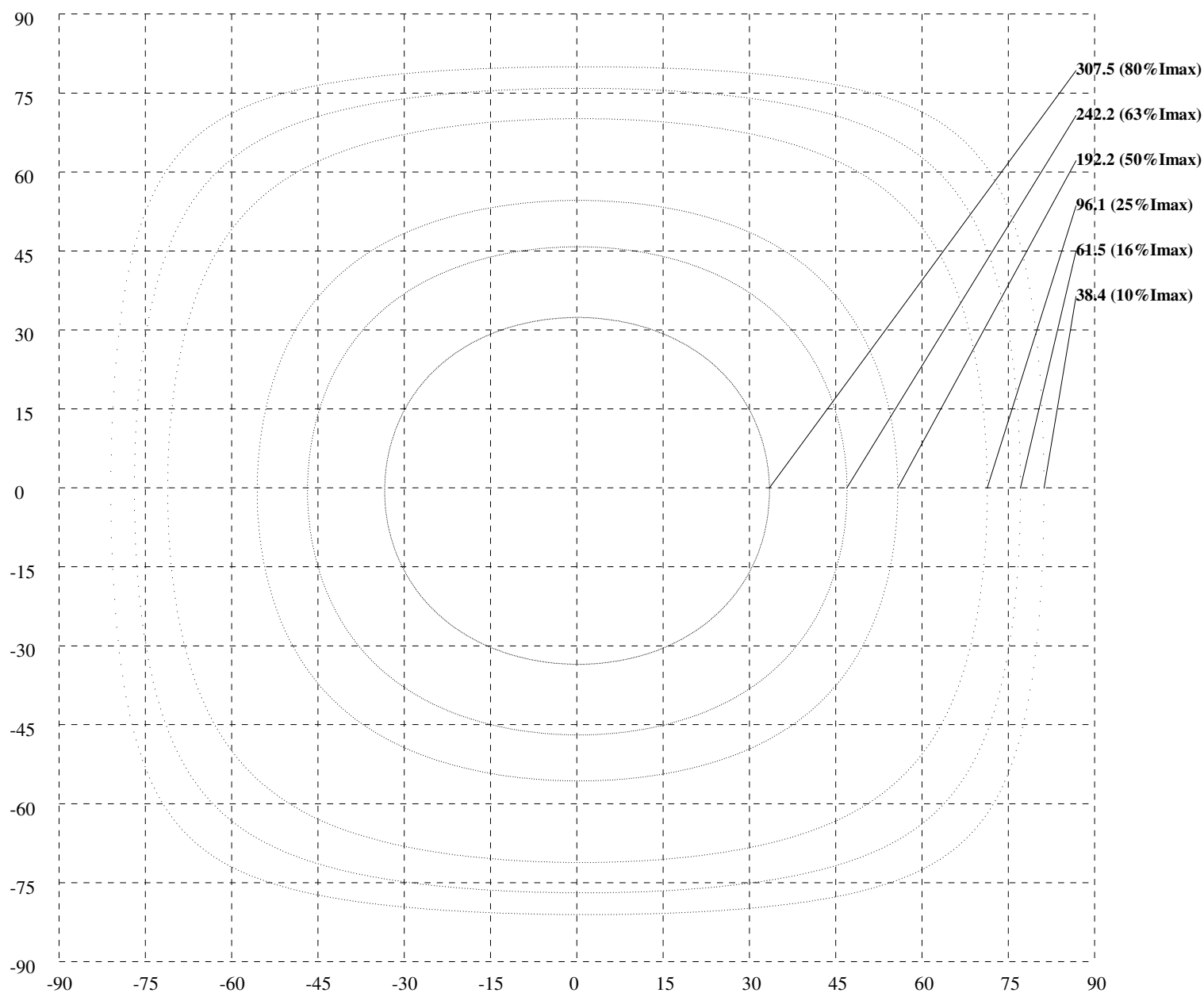


Light Distribution Curve[Unit: cd]



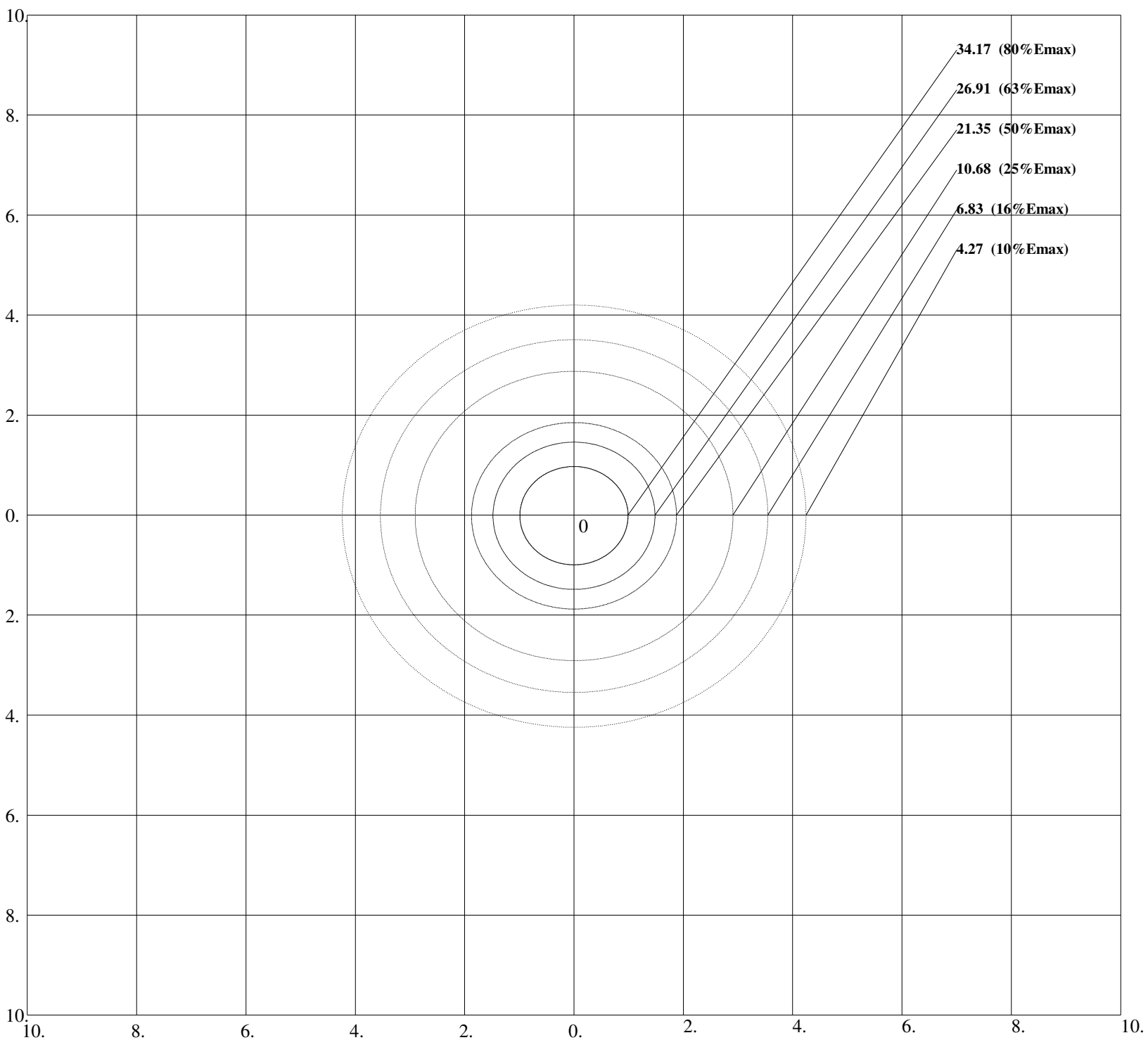
RP Lighting + Fans

ISO-Candela V-H [Unit :cd]8536-1WH-90



RP Lighting + Fans

Iso-Lux [Unit :lx]8536-1WH-90



Units: lx
Height: 3 m
Max Illuminance : 42.71lx

RP Lighting + Fans

Lux-Distance Curve

