

RP Lighting + Fans

4931 Paseo Del Norte NE, Albuquerque, NM 87113

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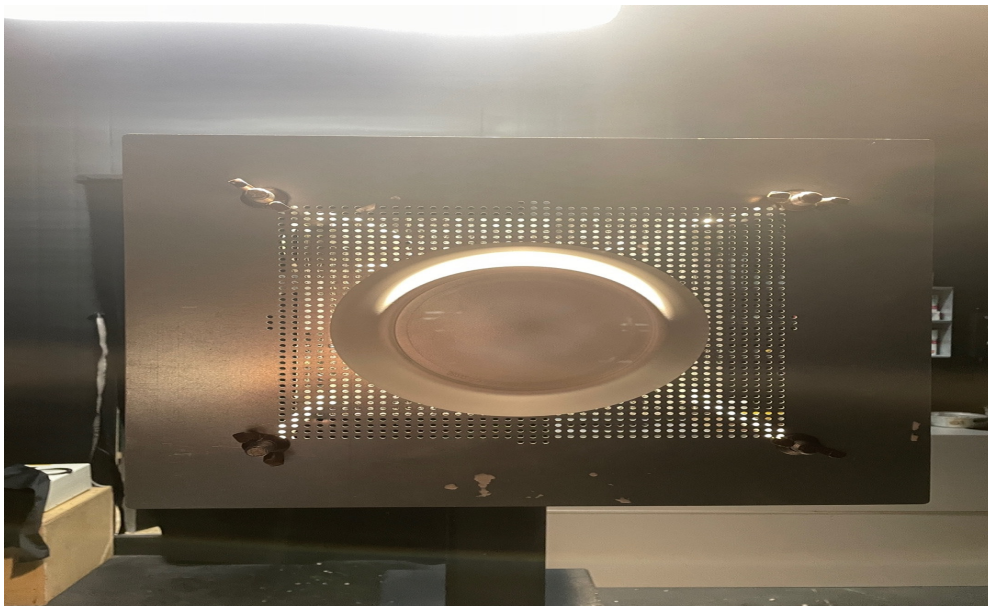
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Test Report of Luminaire

Report No.:

Luminaire Type	8538-HO-90-4K		
Lamp Type	LED		
Client		EUT NO.	CCT: 3843K, CRI: 92.6Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.137
Power:	15.0	Power Factor	0.914
Frequency:	60Hz	Tc	4000K
Photometric Parameters			
Luminaire Flux	1144.65 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	466.51cd	Central Intensity	466.51cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-114465.2%		
50%Imax Beam Width	C0_180[49.0 , -48.2] C90_270[51.1 , -49.0]		
Remark			

Luminaire Figure



RP Lighting + Fans

Photometric Data Table [Unit:cd] 8538-HO-90-4K

C\G	0	5	10	15	20	25	30	35	40	45
0	466.5	458.6	445.1	427.9	407.2	382.1	354.3	323.9	292.2	259.6
5	466.5	458.7	445.5	429.0	408.3	383.3	355.5	325.3	293.6	261.1
10	466.5	459.1	446.3	430.2	409.5	384.7	357.0	327.1	295.4	262.8
15	466.5	459.3	447.1	430.9	410.8	386.2	358.7	328.8	297.2	264.6
20	466.5	459.4	447.6	432.0	412.3	387.6	360.4	330.6	299.0	266.5
25	466.5	460.0	448.3	432.9	413.3	389.1	362.1	332.4	300.9	268.4
30	466.5	460.5	449.0	433.9	414.5	390.6	363.8	334.0	302.7	270.1
35	466.5	460.7	449.7	434.8	415.7	392.0	365.1	335.7	304.4	271.9
40	466.5	460.8	450.2	435.5	416.6	393.2	366.6	337.1	306.0	273.4
45	466.5	460.9	450.7	436.3	417.5	394.3	367.8	338.5	307.4	274.8
50	466.5	461.2	451.1	436.9	418.4	395.3	368.9	339.6	308.5	276.0
55	466.5	461.5	451.5	437.3	418.9	396.1	369.8	340.6	309.5	276.8
60	466.5	461.3	451.5	437.6	419.3	396.5	370.2	341.1	310.0	277.4
65	466.5	461.3	451.6	437.8	419.6	396.7	370.4	341.4	310.2	277.7
70	466.5	461.1	451.6	437.5	419.5	396.5	370.5	341.1	310.1	277.5
75	466.5	460.9	451.2	437.3	419.0	396.0	370.0	340.8	309.6	277.1
80	466.5	461.0	451.0	436.8	418.4	395.6	369.3	340.0	308.8	276.3
85	466.5	460.6	450.7	436.4	417.8	394.8	368.4	338.9	307.7	275.1
90	466.5	460.3	450.0	435.6	416.9	393.6	367.2	337.6	306.3	273.6
95	466.5	459.9	449.5	434.7	415.9	392.5	365.8	336.0	304.7	271.9
100	466.5	459.8	448.9	433.8	414.5	390.9	364.1	334.4	302.8	270.0
105	466.5	459.3	448.1	432.8	413.3	389.4	362.4	332.5	300.8	268.0
110	466.5	459.1	447.4	431.8	412.0	388.0	360.6	330.7	298.9	266.0
115	466.5	458.5	446.8	430.9	410.5	386.4	358.8	328.7	296.9	264.0
120	466.5	458.1	446.0	429.7	409.2	384.7	357.1	326.9	295.0	262.0
125	466.5	457.7	445.2	428.7	407.9	383.3	355.5	325.1	293.2	260.2
130	466.5	457.1	444.4	427.8	406.9	381.9	353.9	323.3	291.5	258.6
135	466.5	456.8	443.8	426.9	405.7	380.7	352.6	321.9	290.1	257.1
140	466.5	456.7	443.3	426.2	404.7	379.6	351.4	320.7	288.9	255.9
145	466.5	456.4	443.1	425.4	403.9	378.8	350.3	319.8	287.8	254.8
150	466.5	456.8	442.4	424.8	403.4	377.9	349.6	319.0	287.0	254.0
155	466.5	456.0	442.2	424.5	403.0	377.4	349.0	318.5	286.5	253.5
160	466.5	455.7	442.1	424.3	402.7	377.3	348.8	318.1	286.2	253.3
165	466.5	455.4	442.1	424.2	402.5	377.1	348.7	318.0	286.1	253.2
170	466.5	455.8	442.0	424.5	402.5	377.3	348.7	318.2	286.3	253.4
175	466.5	455.7	442.3	424.7	402.8	377.5	349.2	318.6	286.7	253.9
180	466.5	455.8	442.3	425.0	403.4	378.0	349.9	319.3	287.4	254.6
185	466.5	456.1	442.8	425.5	404.1	378.9	350.7	320.2	288.2	255.5
190	466.5	456.4	443.1	426.2	404.8	379.8	351.7	321.3	289.3	256.7
195	466.5	456.6	443.8	426.9	405.7	380.7	352.9	322.6	290.7	258.0
200	466.5	456.8	444.2	427.6	406.7	382.0	354.1	324.0	292.2	259.4
205	466.5	456.8	444.2	427.7	406.7	382.1	354.1	323.8	292.1	259.5
210	466.5	456.8	444.2	427.7	406.6	382.0	354.1	324.1	292.2	259.5
215	466.5	456.5	444.2	427.4	406.7	382.0	354.2	324.0	292.2	259.5
220	466.5	456.5	444.1	427.6	406.7	381.9	354.1	323.9	292.1	259.5
225	466.5	456.4	444.1	427.6	406.7	381.8	354.0	323.9	292.2	259.6
230	466.5	456.3	444.0	427.5	406.6	382.0	354.1	323.8	292.2	259.5
235	466.5	456.5	444.0	427.5	406.7	381.9	354.1	323.9	292.1	259.6

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Photometric Data Table [Unit:cd] 8538-HO-90-4K

240	466.5	456.3	444.1	427.5	406.6	382.0	354.2	323.9	292.1	259.5
245	466.5	456.2	444.0	427.5	406.7	382.0	354.2	323.9	292.2	259.5
250	466.5	456.4	444.1	427.5	406.7	381.9	354.2	323.9	292.2	259.5
255	466.5	456.3	444.0	427.5	406.7	382.0	354.3	323.9	292.2	259.5
260	466.5	456.1	444.0	427.5	406.7	382.0	354.2	323.9	292.2	259.5
265	466.5	456.3	443.9	427.5	406.7	381.9	354.1	323.8	292.2	259.5
270	466.5	456.4	443.9	427.5	406.7	382.0	354.2	323.8	292.1	259.5
275	466.5	456.6	443.9	427.5	406.6	382.1	354.1	323.8	292.1	259.5
280	466.5	456.3	444.1	427.6	406.6	381.9	354.2	323.9	292.2	259.4
285	466.5	456.3	443.9	427.5	406.6	382.0	354.0	323.9	292.2	259.5
290	466.5	456.1	444.3	427.6	406.6	381.8	354.2	324.0	292.1	259.5
295	466.5	456.1	444.1	427.5	406.6	381.9	354.2	323.9	292.3	259.6
300	466.5	455.9	444.0	427.3	406.7	382.0	354.2	323.9	292.2	259.5
305	466.5	456.0	443.9	427.5	406.6	382.1	354.2	323.9	292.2	259.5
310	466.5	455.9	443.7	427.3	406.7	382.0	354.2	323.9	292.2	259.5
315	466.5	455.8	443.8	427.3	406.7	382.0	354.1	323.9	292.2	259.4
320	466.5	455.7	443.8	427.4	406.6	382.1	354.2	323.9	292.1	259.5
325	466.5	455.7	443.8	427.4	406.6	382.0	354.2	323.9	292.2	259.4
330	466.5	455.7	443.7	427.3	406.6	382.0	354.1	324.0	292.2	259.4
335	466.5	455.6	443.8	427.4	406.7	382.0	354.2	323.9	292.2	259.5
340	466.5	455.7	443.8	427.3	406.6	382.0	354.1	323.9	292.2	259.5
345	466.5	455.4	443.7	427.3	406.7	382.0	354.2	324.0	292.2	259.5
350	466.5	455.7	443.7	427.3	406.6	381.9	354.3	324.0	292.2	259.6
355	466.5	455.5	443.6	428.1	406.6	382.0	354.3	324.0	292.2	259.6
360	466.5	458.6	445.1	427.9	407.2	382.1	354.3	323.9	292.2	259.6

C\G	50	55	60	65	70	75	80	85	90
0	226.5	193.4	160.4	127.8	95.8	65.1	37.4	15.0	1.5
5	227.9	194.8	161.9	129.2	97.2	66.5	38.5	15.8	1.6
10	229.7	196.6	163.7	131.0	98.9	68.0	39.9	16.8	1.6
15	231.7	198.4	165.4	132.7	100.6	69.6	41.3	17.9	1.9
20	233.5	200.3	167.3	134.6	102.4	71.3	42.8	19.0	2.3
25	235.4	202.1	169.1	136.3	104.0	72.9	44.2	20.2	2.8
30	237.1	203.9	170.8	138.0	105.7	74.4	45.6	21.2	3.3
35	238.8	205.5	172.4	139.5	107.1	75.8	46.8	22.2	3.9
40	240.4	207.1	173.9	140.9	108.5	77.0	47.9	23.0	4.4
45	241.8	208.4	175.2	142.2	109.7	78.1	48.7	23.6	4.8
50	242.9	209.5	176.3	143.3	110.5	78.9	49.4	24.1	5.0
55	243.8	210.4	177.0	143.9	111.2	79.4	49.8	24.4	5.2
60	244.4	210.8	177.5	144.3	111.5	79.7	50.1	24.5	5.3
65	244.6	211.0	177.6	144.4	111.6	79.7	50.0	24.4	5.2
70	244.5	210.9	177.4	144.1	111.2	79.3	49.6	24.1	5.0
75	244.0	210.3	176.8	143.5	110.6	78.7	49.0	23.6	4.6
80	243.1	209.4	175.8	142.5	109.7	77.7	48.2	23.0	4.2
85	241.8	208.3	174.6	141.3	108.4	76.6	47.1	22.1	3.7
90	240.3	206.7	173.1	139.8	106.9	75.2	45.8	21.1	3.0
95	238.6	205.0	171.6	138.1	105.3	73.6	44.4	20.0	2.4
100	236.7	203.1	169.7	136.3	103.5	71.9	42.9	18.8	1.9

RP Lighting + Fans

Photometric Data Table [Unit:cd] ~~8538HO-904K~~

105	234.8	201.1	167.7	134.3	101.6	70.1	41.4	17.6	1.4
110	232.7	199.0	165.7	132.3	99.7	68.4	39.9	16.5	1.2
115	230.7	197.0	163.7	130.4	97.9	66.7	38.4	15.4	1.1
120	228.7	195.1	161.9	128.6	96.1	65.2	37.2	14.5	1.1
125	226.9	193.3	160.1	126.9	94.5	63.7	35.9	13.6	1.0
130	225.3	191.7	158.5	125.3	93.0	62.4	34.8	12.8	1.0
135	223.7	190.3	157.1	124.0	91.7	61.2	33.9	12.0	1.0
140	222.4	189.1	155.9	122.9	90.7	60.2	33.1	11.4	1.0
145	221.5	188.1	155.0	122.0	89.9	59.5	32.5	11.0	1.0
150	220.8	187.4	154.3	121.4	89.3	59.0	32.0	10.6	1.0
155	220.3	187.0	153.8	121.0	89.0	58.7	31.8	10.5	1.1
160	220.1	186.8	153.7	120.8	88.9	58.6	31.7	10.4	1.1
165	220.0	186.8	153.8	121.0	89.0	58.7	31.9	10.6	1.1
170	220.3	187.0	154.1	121.3	89.4	59.1	32.2	10.8	1.2
175	220.8	187.6	154.6	121.8	89.9	59.6	32.7	11.3	1.3
180	221.5	188.3	155.4	122.7	90.7	60.4	33.4	11.9	1.3
185	222.5	189.2	156.4	123.7	91.8	61.4	34.2	12.6	1.4
190	223.6	190.5	157.6	124.9	93.0	62.5	35.2	13.3	1.4
195	225.0	191.9	159.0	126.3	94.4	63.8	36.2	14.2	1.5
200	226.4	193.3	160.4	127.7	95.7	65.1	37.3	15.0	1.5
205	226.3	193.3	160.5	127.7	95.7	65.1	37.4	15.0	1.5
210	226.4	193.2	160.4	127.7	95.7	65.1	37.4	15.0	1.5
215	226.4	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
220	226.4	193.3	160.5	127.7	95.7	65.1	37.4	15.0	1.5
225	226.4	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
230	226.4	193.3	160.4	127.7	95.7	65.1	37.3	15.0	1.5
235	226.4	193.3	160.4	127.7	95.7	65.1	37.3	15.0	1.5
240	226.4	193.3	160.4	127.7	95.8	65.1	37.4	15.0	1.5
245	226.4	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
250	226.4	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
255	226.4	193.3	160.4	127.7	95.7	65.1	37.3	15.0	1.5
260	226.4	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
265	226.4	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
270	226.5	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
275	226.4	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
280	226.4	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
285	226.4	193.3	160.4	127.7	95.8	65.1	37.4	15.0	1.5
290	226.5	193.3	160.4	127.7	95.8	65.1	37.4	15.0	1.5
295	226.5	193.3	160.4	127.7	95.8	65.1	37.4	15.0	1.5
300	226.5	193.3	160.4	127.7	95.8	65.1	37.4	15.0	1.5
305	226.5	193.3	160.4	127.7	95.8	65.1	37.4	15.0	1.5
310	226.4	193.3	160.4	127.7	95.8	65.1	37.4	15.0	1.5
315	226.5	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
320	226.5	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
325	226.5	193.3	160.4	127.8	95.8	65.1	37.4	15.0	1.5
330	226.5	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
335	226.5	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
340	226.5	193.3	160.4	127.7	95.8	65.1	37.4	15.0	1.5
345	226.5	193.3	160.4	127.8	95.7	65.1	37.4	15.0	1.5

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8538-HO-90-4K

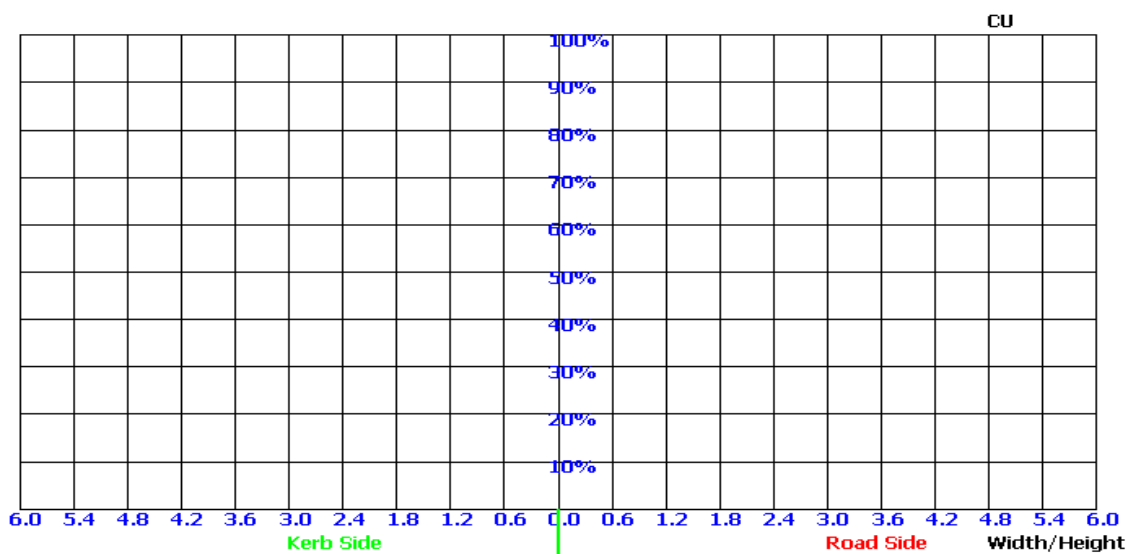
350	226.4	193.3	160.4	127.7	95.7	65.1	37.4	15.0	1.5
355	226.5	193.4	160.4	127.8	95.7	65.1	37.4	15.0	1.5
360	226.5	193.4	160.4	127.8	95.8	65.1	37.4	15.0	1.5

RP Lighting + Fans

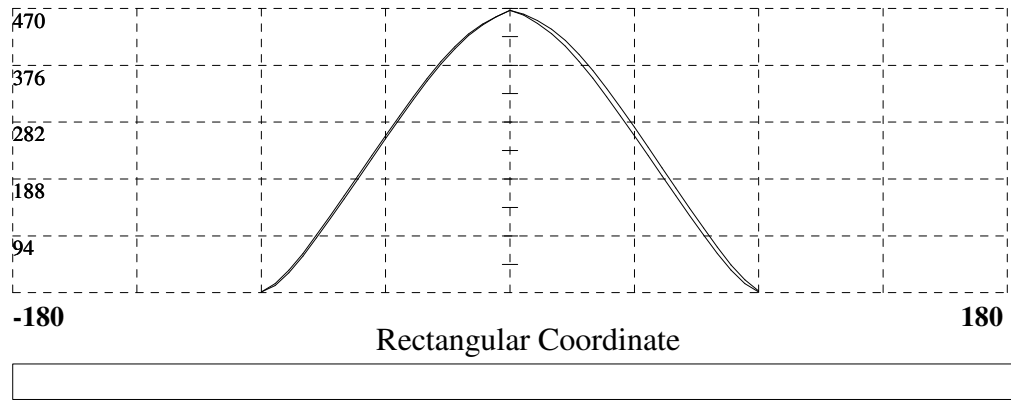
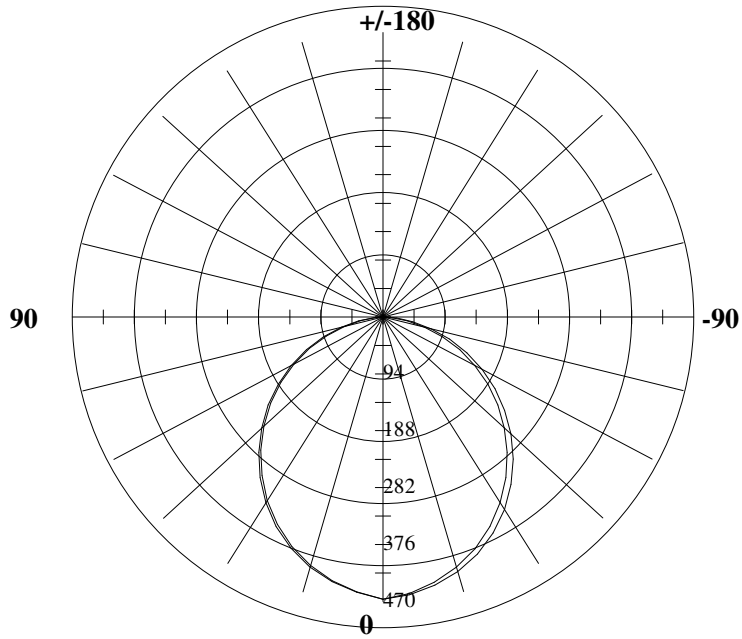
Zonal Flux 8538-HO-90-4K

Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	466.51	0.00	0.00	0.00	0.00
5	457.55	11.05	11.05	-1104.69	-1104.69
10	445.53	32.31	43.35	-3230.59	-4335.28
15	429.37	51.90	95.25	-5189.85	-9525.13
20	408.96	69.09	164.34	-6909.06	-16434.18
25	384.52	83.22	247.56	-8322.15	-24756.34
30	356.95	93.83	341.40	-9383.29	-34139.61
35	326.86	100.70	442.09	-10069.58	-44209.20
40	295.19	103.79	545.88	-10378.55	-54587.75
45	262.49	103.26	649.14	-10326.02	-64913.74
50	229.38	99.39	748.53	-9939.09	-74852.84
55	196.09	92.51	841.04	-9251.18	-84104.02
60	163.03	83.01	924.05	-8300.92	-92404.96
65	130.16	71.28	995.33	-7127.65	-99532.56
70	97.98	57.77	1053.09	-5776.72	-105309.33
75	67.11	43.15	1096.24	-4315.05	-109624.39
80	39.07	28.41	1124.66	-2841.07	-112465.50
85	16.19	15.02	1139.67	-1501.64	-113967.15
90	2.01	4.98	1144.65	-498.26	-114465.42

RP Lighting + Fans
Coefficient Utilization Curve 8538-HO-90-4K

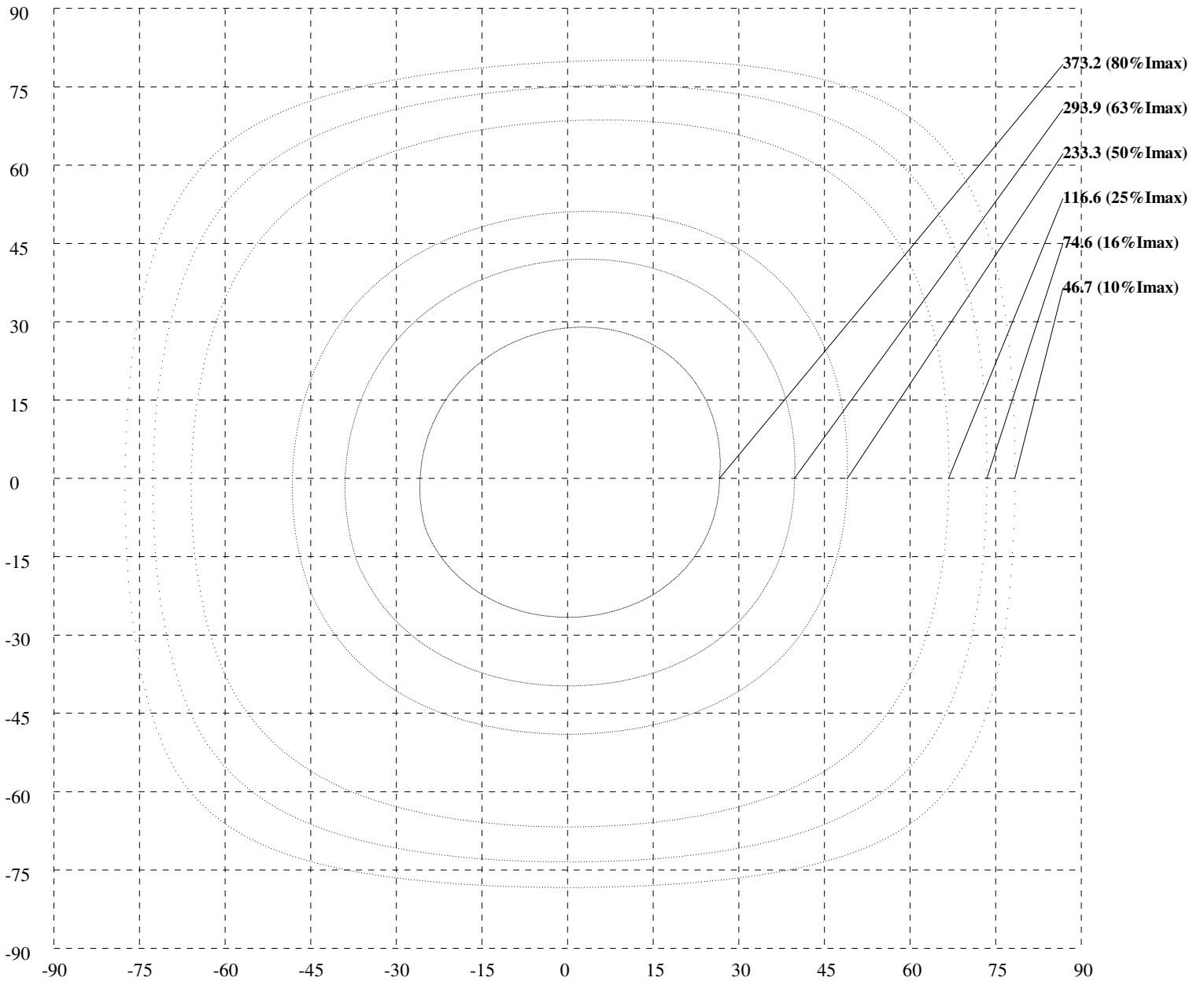


Light Distribution Curve[Unit: cd]



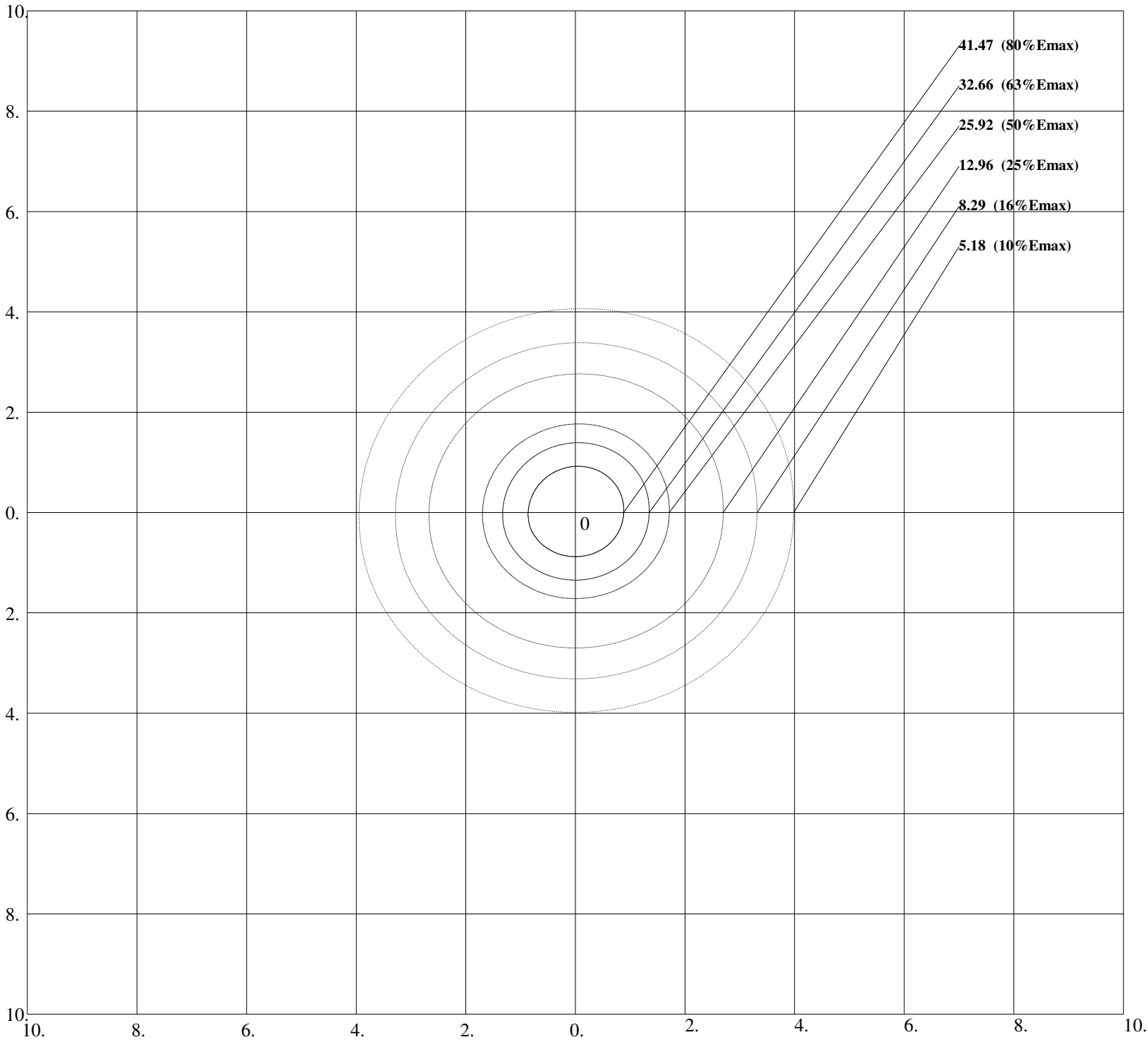
RP Lighting + Fans

ISO-Candela V-H [Unit :cd] 8538-HO-90-4K



RP Lighting + Fans

Iso-Lux [Unit :lx] 8538-HO-90-4K



Units: lx
Height: 3 m
Max Illuminance : 51.83lx

RP Lighting + Fans
Lux-Distance Curve

