

RP Lighting + Fans

4931 Paseo Del Norte NE, Albuquerque, NM 87113

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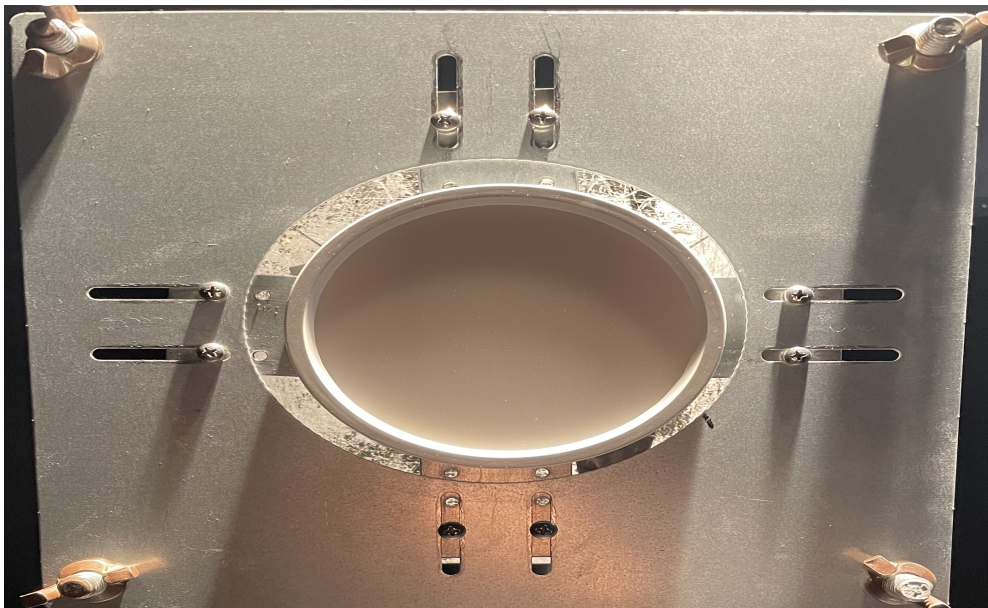
Website: www.rplighting.com

Test Report of Luminaire

Report No.:

Luminaire Type	8739-1-90-3K		
Lamp Type	LED		
Client		EUT NO.	CCT: 2895K, CRI: 92.5Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.106
Power:	11.9	Power Factor	0.935
Frequency:	60Hz	Tc	3000K
Photometric Parameters			
Luminaire Flux	819.64 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	289.767cd	Central Intensity	289.767cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	-0.01%		
Downward Flux Ratio	-81963.51%		
50%Imax Beam Width	C0_180[55.7 , -55.4] C90_270[55.5 , -56.2]		
Remark			

Luminaire Figure



Photometric Data Table [Unit:cd] 8739-1-90-3K

C\G	0	5	10	15	20	25	30	35	40	45
0	289.8	287.5	283.6	276.4	267.2	256.3	242.5	227.1	209.5	190.4
5	289.8	287.9	283.1	276.3	267.2	256.1	242.5	226.9	209.5	190.4
10	289.8	288.3	283.0	276.2	267.0	256.1	242.3	227.0	209.4	190.3
15	289.8	288.3	282.9	276.1	267.0	256.0	242.5	226.8	209.4	190.2
20	289.8	288.4	282.9	276.1	266.9	255.9	242.4	226.8	209.3	190.2
25	289.8	287.9	282.8	276.3	266.8	256.0	242.4	226.7	209.2	190.1
30	289.8	287.7	283.5	276.0	266.8	255.9	242.3	226.6	209.2	190.1
35	289.8	288.2	282.6	276.0	266.7	255.8	242.3	226.7	209.2	190.0
40	289.8	288.2	283.3	275.9	266.7	255.7	242.3	226.5	209.1	190.0
45	289.8	288.1	282.6	275.9	266.6	255.9	242.2	226.6	209.1	190.0
50	289.8	288.2	282.7	275.9	266.6	256.0	242.1	226.5	209.1	190.0
55	289.8	288.1	282.7	275.8	266.3	256.0	242.1	226.5	209.1	190.0
60	289.8	288.2	282.5	275.8	266.3	256.0	242.2	226.5	209.1	189.9
65	289.8	288.1	283.1	275.7	267.6	255.9	242.1	226.5	209.0	190.0
70	289.8	288.1	283.3	275.7	267.5	255.8	242.1	226.5	209.0	189.9
75	289.8	288.1	282.4	275.7	267.5	255.8	242.1	226.5	209.0	189.9
80	289.8	288.1	282.3	275.7	267.5	255.8	242.1	226.5	209.0	189.9
85	289.8	288.2	282.4	275.6	267.4	255.9	242.1	226.5	209.0	189.9
90	289.8	288.0	282.4	275.7	267.4	255.8	242.0	226.5	209.0	189.9
95	289.8	288.1	282.3	275.6	267.4	255.8	242.0	226.5	209.0	189.9
100	289.8	288.1	282.2	275.6	267.5	255.9	242.0	226.5	209.0	189.9
105	289.8	288.2	282.2	275.6	267.3	255.8	242.0	226.4	209.0	189.9
110	289.8	288.1	282.3	275.5	267.4	255.8	242.0	226.5	208.9	189.9
115	289.8	288.1	282.2	275.6	267.4	255.7	241.9	226.4	208.9	189.8
120	289.8	288.2	282.5	275.5	267.3	255.7	241.9	226.4	208.9	189.8
125	289.8	288.1	282.4	275.6	267.3	255.6	241.9	226.3	208.8	189.8
130	289.8	288.2	282.5	275.5	267.2	255.6	241.9	226.2	208.8	189.7
135	289.8	288.1	282.5	275.6	267.3	255.6	241.9	226.3	208.7	189.6
140	289.8	288.1	282.5	275.6	267.2	255.6	241.9	226.1	208.7	189.6
145	289.8	288.1	282.5	275.6	267.2	255.5	241.8	226.2	208.6	189.6
150	289.8	288.2	282.4	275.6	267.3	255.6	241.9	226.1	208.6	189.4
155	289.8	288.1	282.6	275.6	267.2	255.6	241.8	226.1	208.6	189.5
160	289.8	288.2	282.5	275.6	267.3	255.6	241.9	226.2	208.6	189.4
165	289.8	288.1	282.6	275.7	267.4	255.6	241.9	226.1	208.5	189.5
170	289.8	288.1	282.6	275.7	267.4	255.6	242.0	226.2	208.6	189.4
175	289.8	288.2	282.6	275.8	267.4	255.7	242.0	226.2	208.6	189.5
180	289.8	288.1	282.7	275.7	267.5	255.7	242.0	226.4	208.8	189.6
185	289.8	288.2	282.6	275.8	267.6	255.7	242.1	226.4	208.9	189.7
190	289.8	288.2	282.8	276.0	267.5	255.8	242.2	226.6	209.0	189.9
195	289.8	288.2	282.7	276.0	267.7	256.0	242.4	226.7	209.2	190.0
200	289.8	288.2	282.8	276.0	267.7	255.7	242.5	226.8	209.3	190.2
205	289.8	288.2	282.8	276.1	267.7	255.9	242.6	227.0	209.6	190.3
210	289.8	288.3	282.9	276.2	267.7	256.3	242.8	227.2	209.7	190.6
215	289.8	288.2	283.0	276.3	267.8	256.4	242.9	227.4	209.9	190.8
220	289.8	288.3	282.9	276.3	268.1	256.5	243.1	227.6	210.2	191.0
225	289.8	288.3	283.1	276.4	268.2	256.6	243.1	227.8	210.3	191.3
230	289.8	288.4	283.1	276.5	268.3	256.6	243.5	227.9	210.6	191.4
235	289.8	287.3	283.1	276.4	268.3	256.9	243.6	228.1	210.7	191.7

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Photometric Data Table [Unit:cd] 8739-1-90-3K

240	289.8	287.3	283.1	276.6	268.5	256.9	243.8	228.3	211.0	191.8
245	289.8	287.4	283.3	276.6	268.5	257.1	243.9	228.5	211.1	192.0
250	289.8	287.3	283.2	276.8	268.6	257.1	244.0	228.6	211.2	192.2
255	289.8	287.8	283.4	276.7	268.7	257.4	244.1	228.7	211.4	192.4
260	289.8	287.8	283.3	276.8	268.7	257.5	244.3	228.8	211.5	192.5
265	289.8	288.0	283.3	276.8	268.8	257.3	244.3	228.9	211.6	192.6
270	289.8	287.6	283.3	276.8	268.7	257.5	244.2	229.0	211.6	192.7
275	289.8	287.4	283.3	276.9	268.8	257.6	244.4	228.9	211.7	192.7
280	289.8	287.5	283.4	276.8	268.7	257.5	244.3	229.0	211.7	192.7
285	289.8	288.1	283.3	276.9	268.8	257.6	244.3	228.9	211.6	192.5
290	289.8	287.2	283.4	276.8	268.7	257.6	244.3	228.9	211.6	192.5
295	289.8	287.4	283.3	276.9	268.7	257.5	244.2	228.9	211.5	192.3
300	289.8	287.4	283.3	276.8	268.7	257.4	244.1	228.7	211.3	192.3
305	289.8	287.2	283.3	276.7	268.6	257.1	244.0	228.6	211.2	192.1
310	289.8	287.3	283.2	276.7	268.5	257.3	243.9	228.4	211.0	191.9
315	289.8	287.3	283.3	276.7	268.5	257.2	243.7	228.3	210.9	191.8
320	289.8	287.5	283.1	276.6	268.5	257.1	243.6	228.2	210.7	191.6
325	289.8	287.4	283.1	276.5	268.3	257.0	243.5	228.0	210.5	191.4
330	289.8	287.4	283.0	276.5	268.3	256.8	243.4	227.9	210.4	191.3
335	289.8	287.1	283.0	276.3	268.2	257.0	243.3	227.7	210.2	191.0
340	289.8	287.1	283.0	276.4	268.1	256.8	243.1	227.6	210.1	190.8
345	289.8	287.5	282.9	276.3	268.1	256.7	243.0	227.4	209.9	190.8
350	289.8	287.1	282.9	276.3	268.1	256.4	242.9	227.3	209.8	190.7
355	289.8	287.6	282.8	276.1	267.9	256.3	242.8	227.1	209.7	190.5
360	289.8	287.5	283.6	276.4	267.2	256.3	242.5	227.1	209.5	190.4

C\G	50	55	60	65	70	75	80	85	90
0	169.9	147.9	125.0	101.4	77.5	54.1	32.3	13.1	0.5
5	169.7	147.8	124.8	101.3	77.3	54.0	32.3	13.0	0.5
10	169.7	147.9	124.8	101.3	77.3	53.9	32.2	13.0	0.5
15	169.6	147.7	124.7	101.1	77.3	53.9	32.2	12.9	0.5
20	169.5	147.7	124.7	101.1	77.2	53.9	32.1	12.9	0.5
25	169.5	147.6	124.6	101.0	77.2	53.8	32.1	12.8	0.5
30	169.5	147.5	124.5	101.1	77.1	53.8	32.1	12.8	0.5
35	169.4	147.5	124.5	101.0	77.2	53.8	32.1	12.8	0.5
40	169.4	147.5	124.4	101.0	77.1	53.8	32.1	12.7	0.5
45	169.3	147.4	124.4	101.0	77.2	53.9	32.1	12.7	0.5
50	169.3	147.5	124.4	100.9	77.2	53.9	32.1	12.6	0.5
55	169.3	147.4	124.4	100.9	77.2	53.9	32.2	12.6	0.5
60	169.4	147.4	124.4	100.9	77.3	54.0	32.2	12.6	0.5
65	169.3	147.4	124.4	100.9	77.2	54.0	32.2	12.5	0.5
70	169.4	147.4	124.4	100.9	77.2	54.0	32.2	12.5	0.5
75	169.3	147.4	124.4	100.9	77.2	54.0	32.2	12.3	0.5
80	169.4	147.4	124.4	100.9	77.2	53.9	32.2	12.3	0.5
85	169.4	147.4	124.4	100.8	77.2	53.9	32.1	12.2	0.5
90	169.4	147.4	124.4	100.9	77.2	53.9	32.1	12.1	0.5
95	169.4	147.4	124.4	100.9	77.2	53.9	32.0	12.1	0.5
100	169.4	147.4	124.4	100.9	77.1	53.8	32.0	12.1	0.5

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8739-1-90-3K

105	169.4	147.4	124.4	100.9	77.1	53.8	32.0	12.2	0.5
110	169.4	147.4	124.4	100.9	77.1	53.8	32.1	12.2	0.5
115	169.4	147.4	124.3	100.8	77.1	53.8	32.1	12.3	0.5
120	169.2	147.3	124.3	100.8	77.1	53.8	32.1	12.3	0.5
125	169.2	147.2	124.2	100.7	77.1	53.8	32.1	12.4	0.5
130	169.1	147.1	124.1	100.6	76.9	53.7	32.1	12.4	0.5
135	169.0	147.0	124.0	100.6	76.9	53.7	32.0	12.5	0.5
140	168.8	146.8	123.9	100.4	76.8	53.6	32.0	12.5	0.5
145	168.7	146.9	123.8	100.4	76.7	53.5	32.0	12.6	0.5
150	168.7	146.8	123.8	100.2	76.6	53.5	31.9	12.6	0.5
155	168.7	146.8	123.7	100.2	76.3	53.4	31.9	12.7	0.5
160	168.7	146.7	123.7	100.1	76.3	53.3	31.9	12.7	0.5
165	168.7	146.7	123.6	100.1	76.2	53.3	31.9	12.8	0.5
170	168.8	146.7	123.7	100.1	76.2	53.3	31.9	12.8	0.5
175	168.8	146.8	123.7	100.1	76.3	53.3	32.0	12.9	0.5
180	168.9	146.9	123.8	100.0	76.3	53.4	32.0	13.0	0.6
185	169.0	147.0	123.9	100.2	76.5	53.6	32.1	13.1	0.6
190	169.2	147.2	124.1	100.4	76.6	53.7	32.3	13.1	0.6
195	169.4	147.3	124.3	100.6	76.8	53.9	32.4	13.3	0.6
200	169.5	147.6	124.4	100.8	77.0	54.1	32.6	13.4	0.6
205	169.8	147.7	124.7	101.1	77.2	54.3	32.8	13.5	0.6
210	169.9	148.0	124.9	101.3	77.5	54.6	33.0	13.6	0.6
215	170.1	148.1	125.1	101.7	77.8	54.8	33.2	13.7	0.6
220	170.4	148.4	125.4	101.9	78.0	55.1	33.4	13.9	0.6
225	170.6	148.7	125.6	102.2	78.3	55.3	33.6	14.0	0.6
230	170.8	148.9	125.9	102.4	78.6	55.6	33.8	14.0	0.6
235	171.0	149.1	126.1	102.6	78.8	55.8	34.0	14.2	0.6
240	171.3	149.4	126.4	102.8	79.1	56.0	34.2	14.2	0.6
245	171.4	149.5	126.7	102.8	79.3	56.2	34.3	14.3	0.6
250	171.7	149.8	126.9	103.1	79.5	56.4	34.4	14.3	0.6
255	171.8	149.9	127.0	103.2	79.6	56.5	34.5	14.4	0.6
260	172.0	150.1	127.2	103.4	79.8	56.6	34.6	14.4	0.6
265	172.0	150.2	127.2	103.3	79.8	56.6	34.6	14.4	0.6
270	172.1	150.3	127.3	103.5	79.8	56.7	34.6	14.4	0.6
275	172.2	150.3	127.3	103.5	79.8	56.6	34.5	14.3	0.6
280	172.1	150.3	127.3	103.4	79.7	56.6	34.5	14.2	0.6
285	172.1	150.2	127.3	103.3	79.7	56.5	34.4	14.2	0.6
290	172.0	150.1	127.1	103.2	79.6	56.4	34.3	14.1	0.5
295	171.9	150.0	127.0	103.1	79.5	56.2	34.2	14.0	0.6
300	171.8	149.9	126.9	102.9	79.3	56.1	34.1	14.0	0.6
305	171.6	149.7	126.7	102.8	79.1	56.0	34.0	14.0	0.6
310	171.4	149.6	126.6	102.6	79.0	55.8	33.9	13.9	0.5
315	171.2	149.3	126.4	102.5	78.8	55.7	33.8	13.9	0.5
320	171.1	149.2	126.3	102.3	78.7	55.5	33.6	13.8	0.5
325	170.9	149.0	126.1	102.1	78.5	55.3	33.5	13.8	0.5
330	170.7	148.8	125.9	101.9	78.4	55.2	33.3	13.7	0.5
335	170.7	148.7	125.8	101.8	78.1	55.0	33.1	13.6	0.5
340	170.4	148.5	125.5	101.6	78.0	54.8	32.9	13.5	0.5
345	170.3	148.3	125.4	101.5	77.8	54.6	32.8	13.4	0.5

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Photometric Data Table [Unit:cd] 8739-1-90-3K

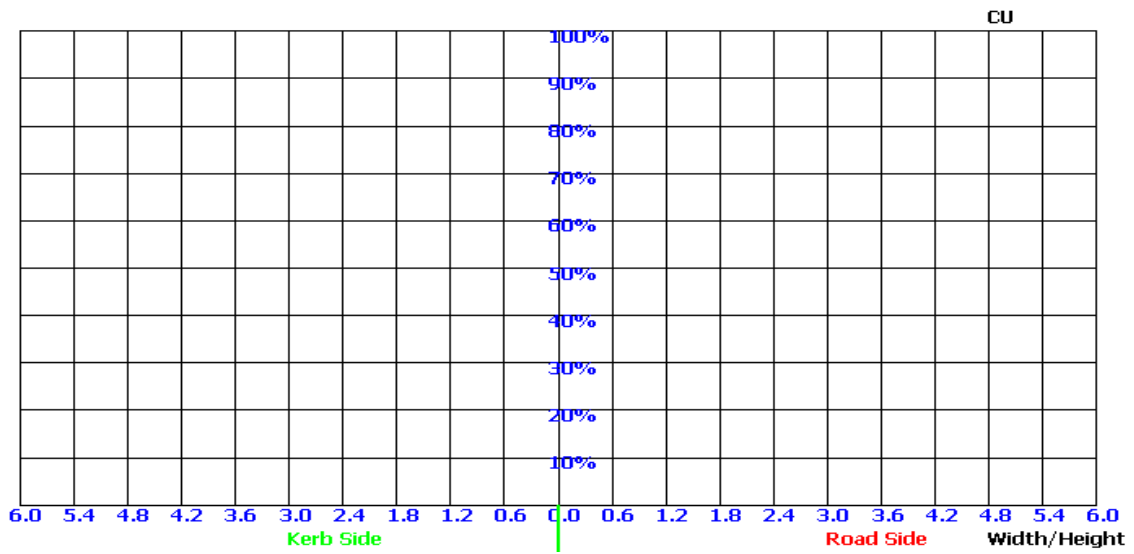
350	170.2	148.2	125.2	101.3	77.6	54.4	32.6	13.3	0.5
355	170.1	148.1	125.1	101.2	77.4	54.2	32.4	13.2	0.5
360	169.9	147.9	125.0	101.4	77.5	54.1	32.3	13.1	0.5

RP Lighting + Fans

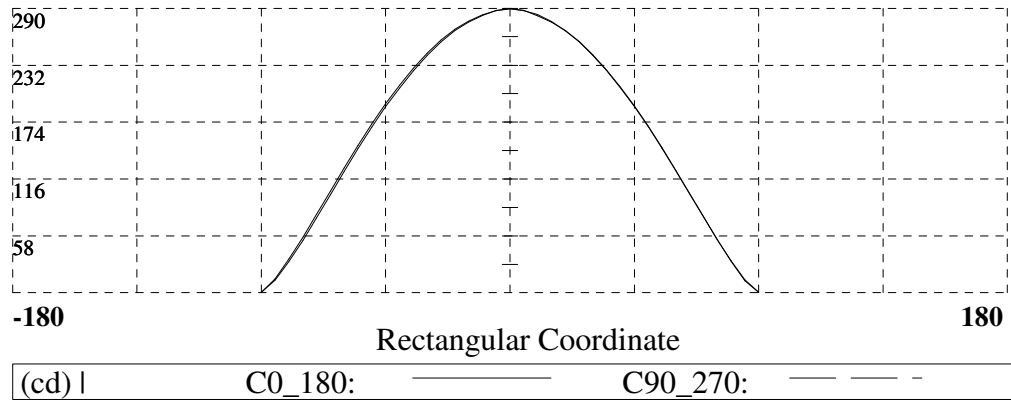
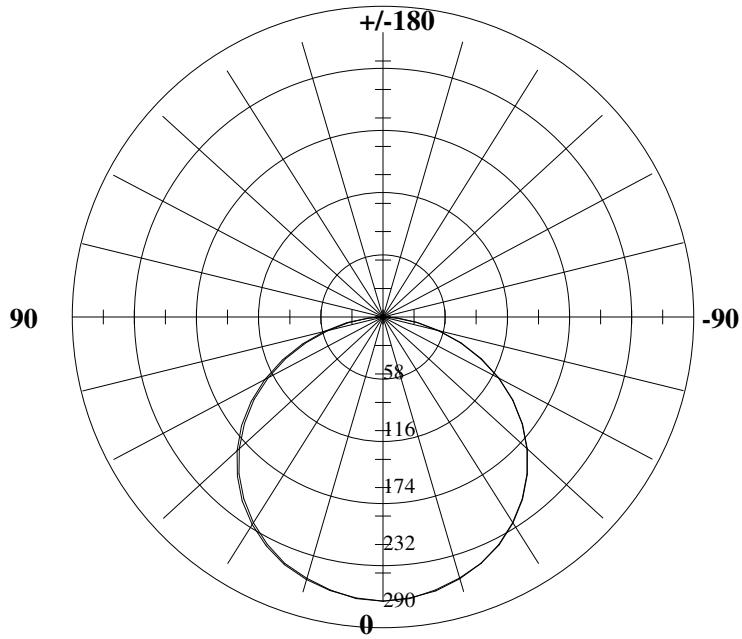
Zonal Flux 8739-1-90-3K

Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	289.77	0.00	0.00	0.00	0.00
5	287.89	6.91	6.91	-690.58	-690.58
10	282.85	20.42	27.32	-2041.74	-2732.32
15	276.14	33.16	60.48	-3315.90	-6048.22
20	267.72	44.82	105.30	-4482.14	-10530.36
25	256.30	54.96	160.26	-5496.01	-16026.37
30	242.77	63.16	223.42	-6315.83	-22342.20
35	227.22	69.21	292.63	-6921.04	-29263.24
40	209.74	72.90	365.54	-7290.47	-36553.70
45	190.64	74.13	439.67	-7413.44	-43967.13
50	170.07	72.89	512.56	-7288.68	-51255.80
55	148.13	69.19	581.75	-6918.77	-58174.56
60	125.14	63.17	644.91	-6316.52	-64491.06
65	101.48	55.09	700.00	-5509.19	-70000.26
70	77.75	45.38	745.39	-4538.25	-74538.51
75	54.59	34.59	779.98	-3458.99	-77997.53
80	32.84	23.39	803.37	-2339.32	-80336.85
85	13.19	12.51	815.88	-1250.71	-81587.56
90	0.54	3.76	819.64	-376.00	-81963.56

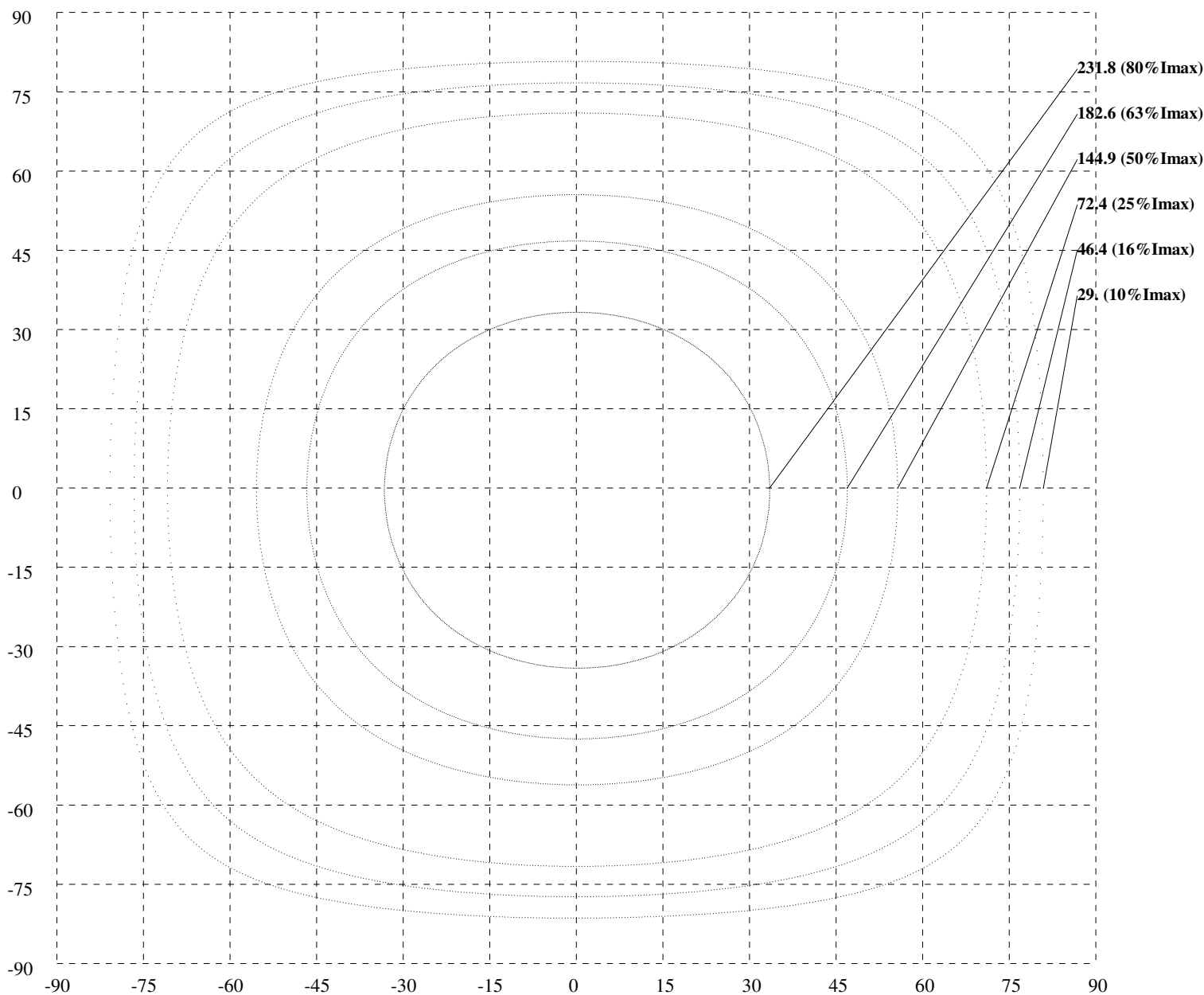
RP Lighting + Fans
Coefficient Utilization Curve 8739-1-90-3K



Light Distribution Curve[Unit: cd]

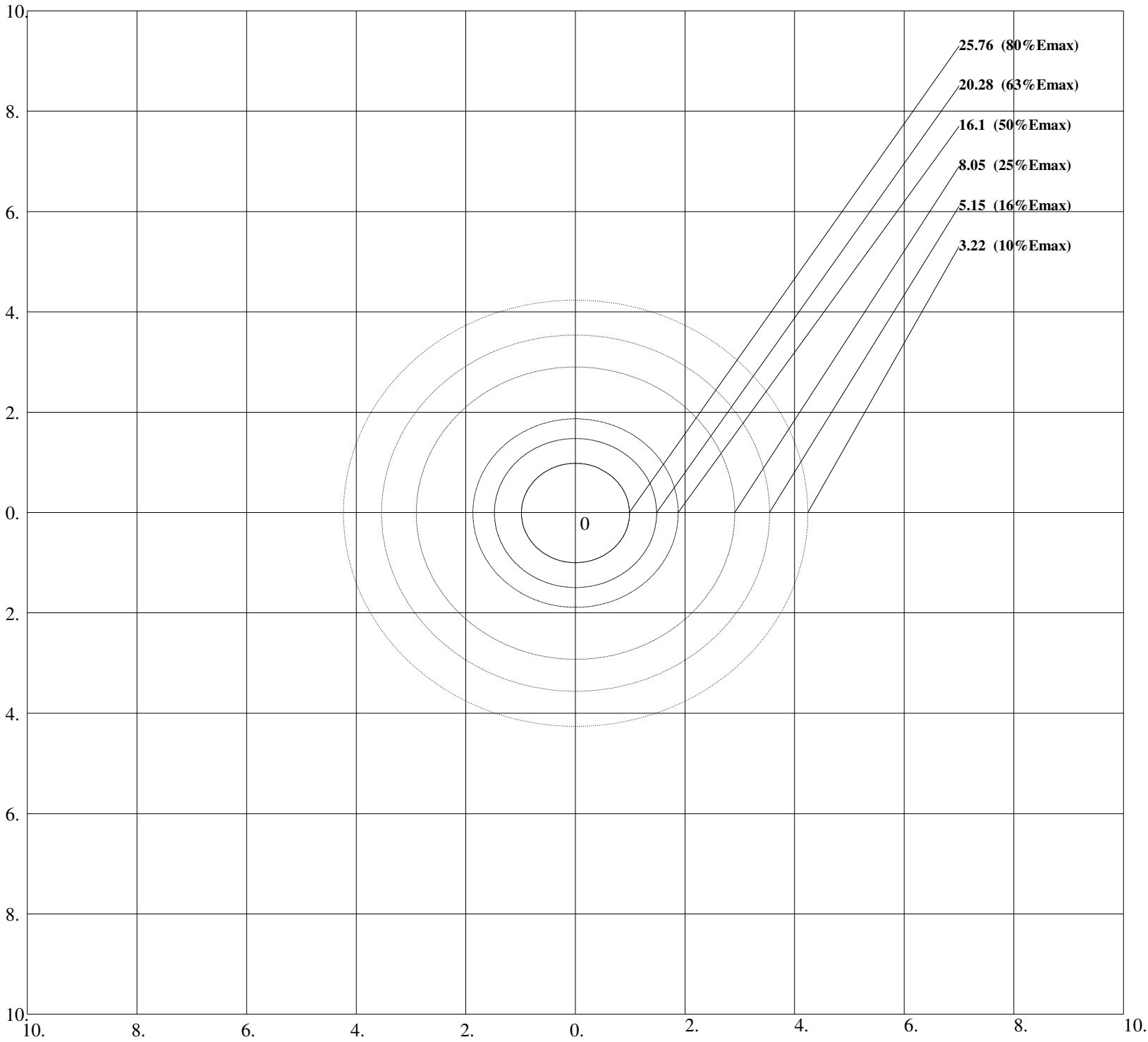


ISO-Candela V-H [Unit :cd] 8739-1-90-3K



RP Lighting + Fans

Iso-Lux [Unit :lx] 8739-1-90-3K



Units: lx
Height: 3 m
Max Illuminance : 32.2lx

RP Lighting + Fans
Lux-Distance Curve

