

Test Report of Luminaire

Report No.:

Luminaire Type	8537-HO-90-3K		
Lamp Type	LED		
Client		EUT NO.	CCT: 3093K, CRI: 96.1Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.162
Power:	17.7	Power Factor	0.909
Frequency:	60Hz	Tc	3000K
Photometric Parameters			
Luminaire Flux	1460.82 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	516.767cd	Central Intensity	516.767cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-146082.1%		
50%Imax Beam Width	C0_180[55.5 , -55.6] C90_270[56.3 , -54.8]		
Remark			

Luminaire Figure



RP Lighting + Fans

Photometric Data Table [Unit:cd] 8537-HO-90-3K

C\G	0	5	10	15	20	25	30	35	40	45
0	516.8	514.1	506.2	493.8	476.1	456.0	431.1	402.8	371.4	337.2
5	516.8	514.0	506.3	493.9	476.5	456.2	431.5	403.0	371.7	337.7
10	516.8	514.1	506.5	494.1	477.0	456.4	431.7	403.6	372.1	338.1
15	516.8	513.7	506.7	494.3	477.6	456.7	431.8	403.9	372.6	338.6
20	516.8	513.5	506.7	494.4	477.8	457.1	431.9	403.9	373.0	338.9
25	516.8	514.0	506.8	494.6	478.0	457.0	432.2	404.0	373.6	339.2
30	516.8	514.4	506.7	494.7	478.2	457.0	432.3	404.4	373.9	339.6
35	516.8	514.5	506.7	494.8	478.4	457.2	432.7	405.3	374.0	339.9
40	516.8	514.4	506.4	495.1	478.5	457.6	433.3	405.6	374.2	340.3
45	516.8	514.3	506.7	495.2	478.7	458.2	433.7	405.9	374.4	340.6
50	516.8	514.0	507.2	495.3	479.0	458.5	434.3	406.4	374.7	341.0
55	516.8	514.0	507.4	495.5	479.0	458.6	434.3	406.3	375.5	341.6
60	516.8	514.7	507.5	495.5	479.2	458.8	434.5	406.3	375.9	342.1
65	516.8	514.7	507.5	495.6	479.3	459.0	434.7	406.5	375.9	342.3
70	516.8	514.6	507.3	495.8	479.6	459.3	435.0	407.2	376.2	342.5
75	516.8	514.6	507.0	495.7	479.5	459.2	435.0	407.4	376.5	342.7
80	516.8	514.6	506.9	495.6	479.6	458.8	434.7	407.5	376.5	342.9
85	516.8	514.3	507.4	495.4	479.7	458.8	434.7	407.5	376.7	342.9
90	516.8	513.9	507.7	495.3	479.7	458.9	434.8	407.3	376.6	342.8
95	516.8	514.4	507.7	495.2	479.7	459.2	435.4	407.1	376.4	342.7
100	516.8	514.7	507.6	495.2	479.9	459.6	435.4	407.1	376.2	342.5
105	516.8	514.8	507.6	495.3	479.9	459.6	435.3	407.4	376.3	342.5
110	516.8	514.6	507.2	495.4	479.8	459.5	435.2	407.5	376.4	342.4
115	516.8	514.7	506.9	495.6	479.8	459.4	435.1	407.4	376.6	342.5
120	516.8	514.5	507.1	495.6	479.6	459.2	435.1	407.2	376.4	342.5
125	516.8	514.3	507.4	495.6	479.7	459.2	434.9	407.1	376.2	342.4
130	516.8	513.9	507.4	495.5	479.5	458.9	434.8	407.0	376.0	342.2
135	516.8	514.2	507.6	495.4	479.2	458.6	434.3	406.8	375.7	341.9
140	516.8	514.5	507.4	495.3	479.1	458.1	433.9	406.4	375.5	341.6
145	516.8	514.5	507.1	495.1	478.8	457.8	433.4	405.9	375.2	341.3
150	516.8	514.6	507.1	495.0	478.8	457.7	433.3	405.4	374.9	341.0
155	516.8	514.3	507.0	494.8	478.6	457.7	433.3	404.9	374.6	340.6
160	516.8	514.4	506.8	494.6	478.4	457.8	433.3	404.8	374.1	340.2
165	516.8	514.1	506.6	494.4	478.2	457.5	433.0	404.9	373.5	339.7
170	516.8	513.8	506.3	494.1	478.0	457.2	432.5	404.5	372.9	339.3
175	516.8	513.4	506.3	493.9	477.6	456.9	432.3	404.1	372.3	338.8
180	516.8	513.5	506.2	493.5	477.2	456.6	431.9	403.7	371.9	338.4
185	516.8	514.0	505.9	493.4	476.8	456.3	431.2	403.4	371.5	337.7
190	516.8	513.9	505.8	493.2	476.5	456.0	430.7	403.1	371.4	337.3
195	516.8	513.9	505.6	493.0	476.2	455.9	430.5	402.3	371.1	336.8
200	516.8	513.6	505.4	493.0	475.8	455.5	430.6	401.8	370.7	336.2
205	516.8	513.4	505.2	492.9	475.7	455.2	430.3	401.3	370.4	335.7
210	516.8	513.0	505.1	492.9	475.5	454.7	430.0	401.0	370.0	335.3
215	516.8	513.2	505.1	492.8	475.5	454.2	429.6	400.9	369.8	335.0
220	516.8	513.6	504.8	492.8	475.4	453.9	429.5	400.9	369.4	334.6
225	516.8	513.5	504.7	492.7	475.3	453.6	429.1	400.6	369.0	334.2
230	516.8	513.5	504.5	492.4	475.2	453.5	428.6	400.4	368.5	334.0
235	516.8	513.4	504.5	492.4	475.1	453.4	428.1	400.1	368.1	333.8

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8537-HO-90-3K

240	516.8	513.2	504.5	492.2	474.8	453.3	427.9	399.9	367.8	333.6
245	516.8	512.7	504.5	492.1	474.4	453.4	428.0	399.8	367.5	333.6
250	516.8	512.6	504.8	492.0	474.2	453.5	428.2	399.5	367.4	333.4
255	516.8	512.9	504.8	492.0	474.1	453.2	428.0	399.3	367.5	333.1
260	516.8	513.2	504.9	492.1	474.0	453.2	427.9	398.8	367.4	333.0
265	516.8	513.1	504.9	491.8	474.2	453.1	427.7	398.6	367.3	332.8
270	516.8	513.2	504.9	491.5	474.6	453.0	427.7	398.5	367.2	332.7
275	516.8	513.0	504.9	491.3	474.5	452.6	427.8	398.4	367.3	332.7
280	516.8	512.9	504.9	491.2	474.6	452.4	427.6	398.6	367.2	332.6
285	516.8	512.6	504.9	491.2	474.5	452.4	427.5	398.8	367.3	332.6
290	516.8	512.7	504.9	491.2	474.5	452.6	427.3	399.1	367.1	332.7
295	516.8	513.2	505.0	491.1	474.7	452.9	427.2	399.1	367.1	332.8
300	516.8	513.3	505.0	491.3	474.7	453.3	427.3	399.2	367.1	333.0
305	516.8	513.3	505.1	491.3	474.8	453.3	427.7	399.4	367.2	333.2
310	516.8	513.2	505.1	491.3	474.9	453.5	428.1	399.6	367.4	333.4
315	516.8	513.2	505.3	491.6	474.9	453.7	428.6	399.7	367.7	333.7
320	516.8	512.8	505.2	491.6	475.2	453.7	428.5	400.0	367.9	333.9
325	516.8	512.7	505.2	491.8	475.3	454.0	428.8	400.2	368.3	334.3
330	516.8	513.3	505.3	491.9	475.5	454.1	429.1	400.5	368.7	334.6
335	516.8	513.4	505.4	492.1	475.8	454.5	429.4	401.0	369.1	335.0
340	516.8	513.5	505.5	492.3	475.9	454.8	429.8	401.3	369.5	335.4
345	516.8	513.5	505.3	492.6	476.2	454.9	429.7	401.6	369.9	335.7
350	516.8	513.4	505.3	493.2	476.3	455.2	429.9	401.9	370.3	336.3
355	516.8	513.3	505.3	493.5	476.7	455.2	430.1	402.0	370.7	336.7
360	516.8	514.1	506.2	493.8	476.1	456.0	431.1	402.8	371.4	337.2

C\G	50	55	60	65	70	75	80	85	90
0	300.6	262.1	222.0	180.7	139.4	98.7	60.3	25.5	0.6
5	301.1	262.7	222.5	181.1	139.9	99.1	60.7	25.8	0.6
10	301.6	263.1	223.0	181.8	140.4	99.7	61.1	26.3	0.6
15	302.2	263.7	223.5	182.5	141.0	100.2	61.6	26.7	0.6
20	302.6	264.2	223.9	183.1	141.5	100.6	62.1	27.1	0.6
25	302.9	264.6	224.4	183.6	142.0	101.1	62.6	27.5	0.6
30	303.2	264.9	224.9	184.1	142.5	101.7	63.1	27.9	0.6
35	303.6	265.3	225.3	184.6	142.9	102.2	63.5	28.2	0.6
40	304.2	265.7	225.8	184.9	143.3	102.6	64.0	28.6	0.7
45	304.8	266.1	226.2	185.3	143.7	103.0	64.3	28.9	0.6
50	305.2	266.4	226.7	185.6	144.1	103.5	64.7	29.2	0.7
55	305.5	266.8	227.1	186.0	144.5	103.8	65.0	29.5	0.7
60	305.8	267.2	227.6	186.5	144.9	104.1	65.2	29.7	0.7
65	306.1	267.4	227.8	186.8	145.2	104.3	65.4	29.9	0.8
70	306.2	267.7	228.0	187.0	145.5	104.5	65.6	30.1	0.9
75	306.3	267.9	228.2	187.3	145.7	104.6	65.8	30.2	1.0
80	306.2	268.1	228.4	187.5	145.9	104.7	65.9	30.4	1.0
85	306.4	268.3	228.5	187.5	146.0	104.8	66.0	30.4	1.0
90	306.6	268.5	228.6	187.5	146.0	105.0	66.1	30.5	1.0
95	306.9	268.5	228.6	187.4	146.0	105.0	66.1	30.5	1.0
100	306.8	268.5	228.5	187.3	146.0	104.9	66.0	30.5	1.0

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8537-HO-90-3K

105	306.9	268.4	228.6	187.3	145.8	104.8	65.9	30.4	0.9
110	306.8	268.4	228.4	187.2	145.7	104.7	65.8	30.3	0.8
115	306.5	268.2	228.2	187.2	145.4	104.5	65.6	30.2	0.8
120	306.2	268.0	227.9	187.0	145.2	104.3	65.5	30.0	0.7
125	305.9	267.8	227.6	186.7	144.8	104.0	65.2	29.8	0.7
130	305.7	267.6	227.3	186.5	144.6	103.7	64.9	29.6	0.7
135	305.7	267.2	226.9	186.2	144.2	103.3	64.5	29.3	0.7
140	305.4	266.8	226.7	185.7	143.8	102.9	64.2	29.1	0.7
145	305.0	266.4	226.4	185.2	143.4	102.5	63.9	28.7	0.7
150	304.7	265.9	226.0	184.6	143.0	102.1	63.5	28.4	0.7
155	304.3	265.4	225.6	184.1	142.5	101.7	63.1	28.0	0.7
160	303.7	264.9	225.1	183.7	142.0	101.3	62.7	27.6	0.6
165	303.2	264.3	224.5	183.2	141.5	100.8	62.2	27.2	0.6
170	302.6	263.9	224.0	182.8	141.0	100.3	61.7	26.9	0.6
175	302.0	263.5	223.2	182.3	140.5	99.9	61.3	26.5	0.6
180	301.6	263.1	222.6	181.7	140.0	99.4	60.8	26.1	0.6
185	301.0	262.7	222.1	181.1	139.5	98.8	60.4	25.7	0.6
190	300.5	262.1	221.7	180.7	139.0	98.3	59.9	25.3	0.6
195	299.9	261.7	221.4	180.2	138.6	97.8	59.5	24.8	0.6
200	299.5	261.1	220.9	179.7	138.2	97.3	59.0	24.4	0.6
205	299.0	260.6	220.4	179.3	137.7	96.9	58.6	24.1	0.6
210	298.6	260.0	220.0	178.8	137.2	96.6	58.2	23.7	0.6
215	298.2	259.5	219.6	178.3	136.8	96.1	57.9	23.3	0.6
220	297.9	259.2	219.3	177.9	136.5	95.8	57.5	22.9	0.6
225	297.5	258.9	218.9	177.4	136.1	95.4	57.2	22.6	0.6
230	297.2	258.9	218.6	177.0	135.7	95.0	56.8	22.3	0.6
235	296.9	258.5	218.2	176.6	135.4	94.6	56.5	22.0	0.6
240	296.6	258.2	217.9	176.3	135.0	94.3	56.2	21.8	0.6
245	296.3	258.0	217.6	176.0	134.6	94.0	56.0	21.6	0.6
250	296.0	257.7	217.3	175.8	134.4	93.9	55.8	21.4	0.6
255	295.8	257.4	217.1	175.6	134.1	93.7	55.6	21.2	0.6
260	295.6	257.1	216.9	175.5	133.9	93.6	55.5	21.1	0.6
265	295.6	256.9	216.8	175.4	133.8	93.4	55.3	21.0	0.6
270	295.8	256.7	216.6	175.3	133.7	93.4	55.2	21.0	0.6
275	295.8	256.5	216.6	175.2	133.7	93.3	55.2	21.0	0.6
280	295.7	256.6	216.6	175.3	133.7	93.3	55.2	21.0	0.6
285	295.8	256.6	216.6	175.3	133.6	93.3	55.3	21.1	0.6
290	296.0	256.7	216.5	175.4	133.7	93.3	55.4	21.2	0.6
295	296.0	257.0	216.5	175.5	133.9	93.4	55.5	21.4	0.6
300	296.1	257.1	216.6	175.6	134.1	93.6	55.7	21.5	0.6
305	296.3	257.4	216.9	175.8	134.3	93.9	55.9	21.7	0.6
310	296.3	257.6	217.5	176.0	134.7	94.3	56.1	22.0	0.6
315	296.5	257.9	217.7	176.3	135.1	94.5	56.4	22.2	0.6
320	296.7	258.2	218.2	176.8	135.5	94.9	56.7	22.5	0.6
325	297.2	258.6	218.5	177.3	135.8	95.2	57.1	22.8	0.6
330	297.9	258.9	218.9	177.7	136.3	95.6	57.5	23.1	0.6
335	298.2	259.3	219.1	178.1	136.8	96.1	57.9	23.4	0.6
340	298.7	259.7	219.5	178.7	137.1	96.5	58.3	23.8	0.6
345	299.2	260.2	220.3	179.2	137.5	96.9	58.7	24.2	0.6

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8537-HO-90-3K

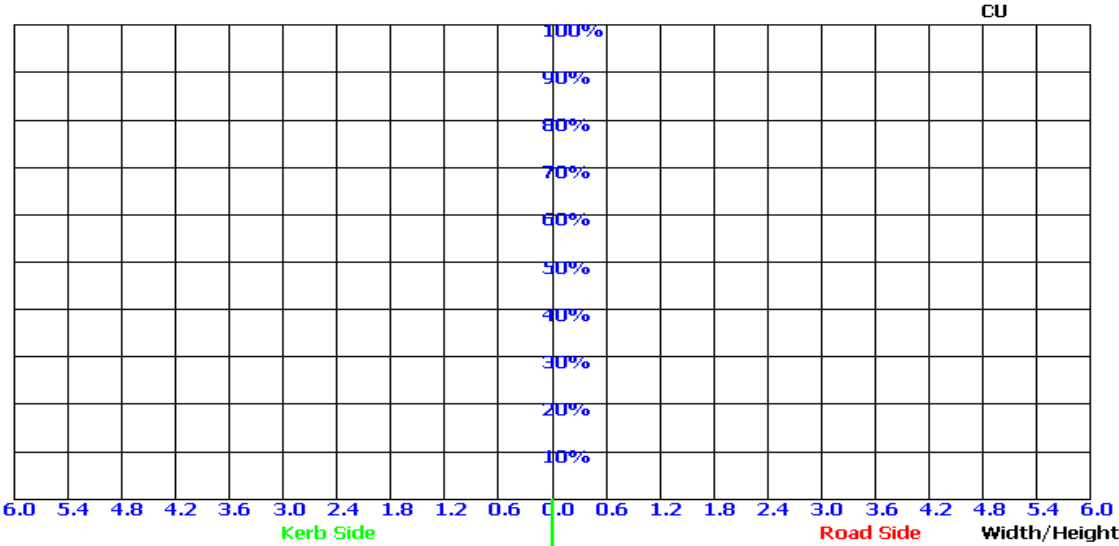
350	299.6	260.8	220.9	179.6	137.9	97.4	59.1	24.6	0.6
355	299.9	261.3	221.4	180.1	138.5	97.9	59.6	25.0	0.6
360	300.6	262.1	222.0	180.7	139.4	98.7	60.3	25.5	0.6

RP Lighting + Fans

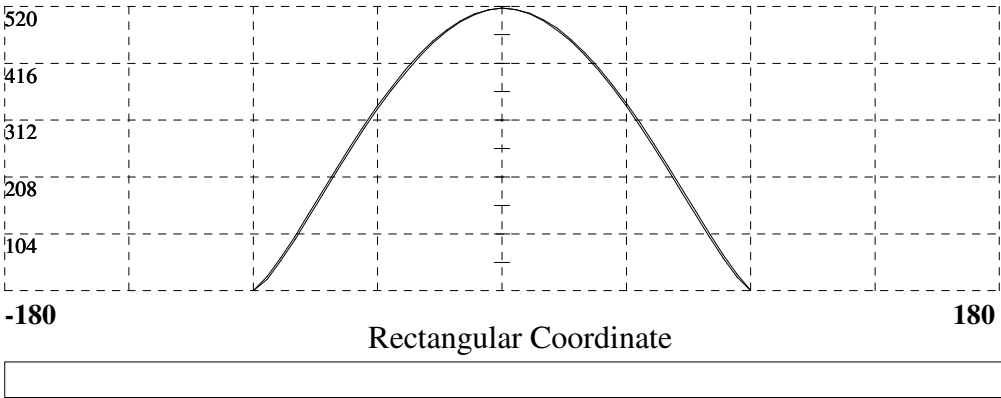
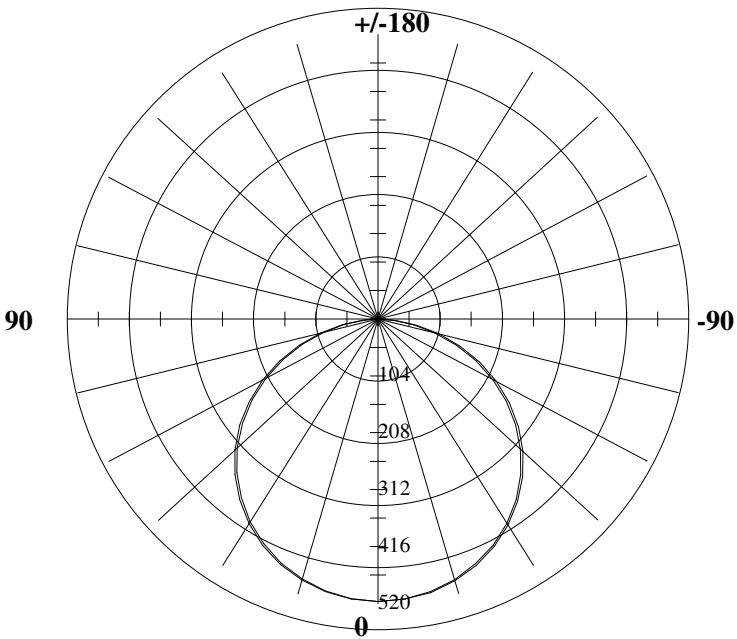
Zonal Flux8537-HO-90-3K

Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	516.77	0.00	0.00	0.00	0.00
5	513.77	12.32	12.32	-1231.98	-1231.98
10	506.06	36.48	48.80	-3648.25	-4880.23
15	493.62	59.30	108.10	-5930.02	-10810.25
20	477.01	79.99	188.10	-7999.35	-18809.60
25	456.08	97.86	285.96	-9786.36	-28595.96
30	431.31	112.30	398.26	-11229.94	-39825.91
35	403.12	122.88	521.13	-12287.56	-52113.46
40	371.78	129.29	650.42	-12928.64	-65042.10
45	337.70	131.37	781.79	-13136.66	-78178.78
50	301.12	129.08	910.87	-12908.40	-91087.18
55	262.54	122.56	1033.43	-12255.93	-103343.12
60	222.48	112.11	1145.54	-11211.12	-114554.27
65	181.31	98.16	1243.71	-9816.18	-124370.48
70	139.74	81.29	1325.00	-8129.21	-132499.67
75	99.04	62.41	1387.41	-6241.41	-138741.13
80	60.59	42.71	1430.12	-4271.25	-143012.38
85	25.75	23.46	1453.59	-2346.12	-145358.50
90	0.68	7.24	1460.82	-723.74	-146082.21

RP Lighting + Fans
Coefficient Utilization Curve 8537-HO-90-3K

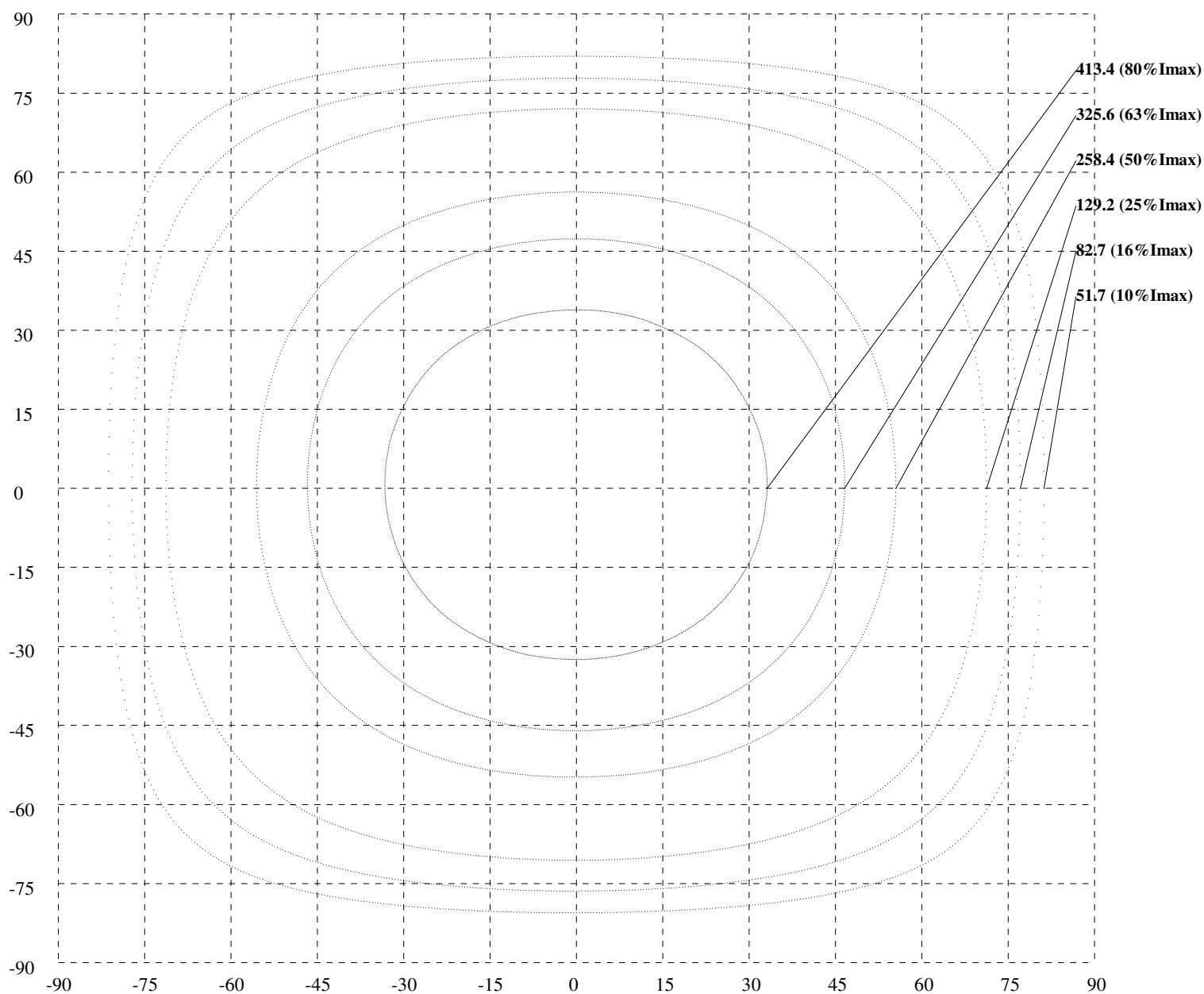


Light Distribution Curve[Unit: cd]



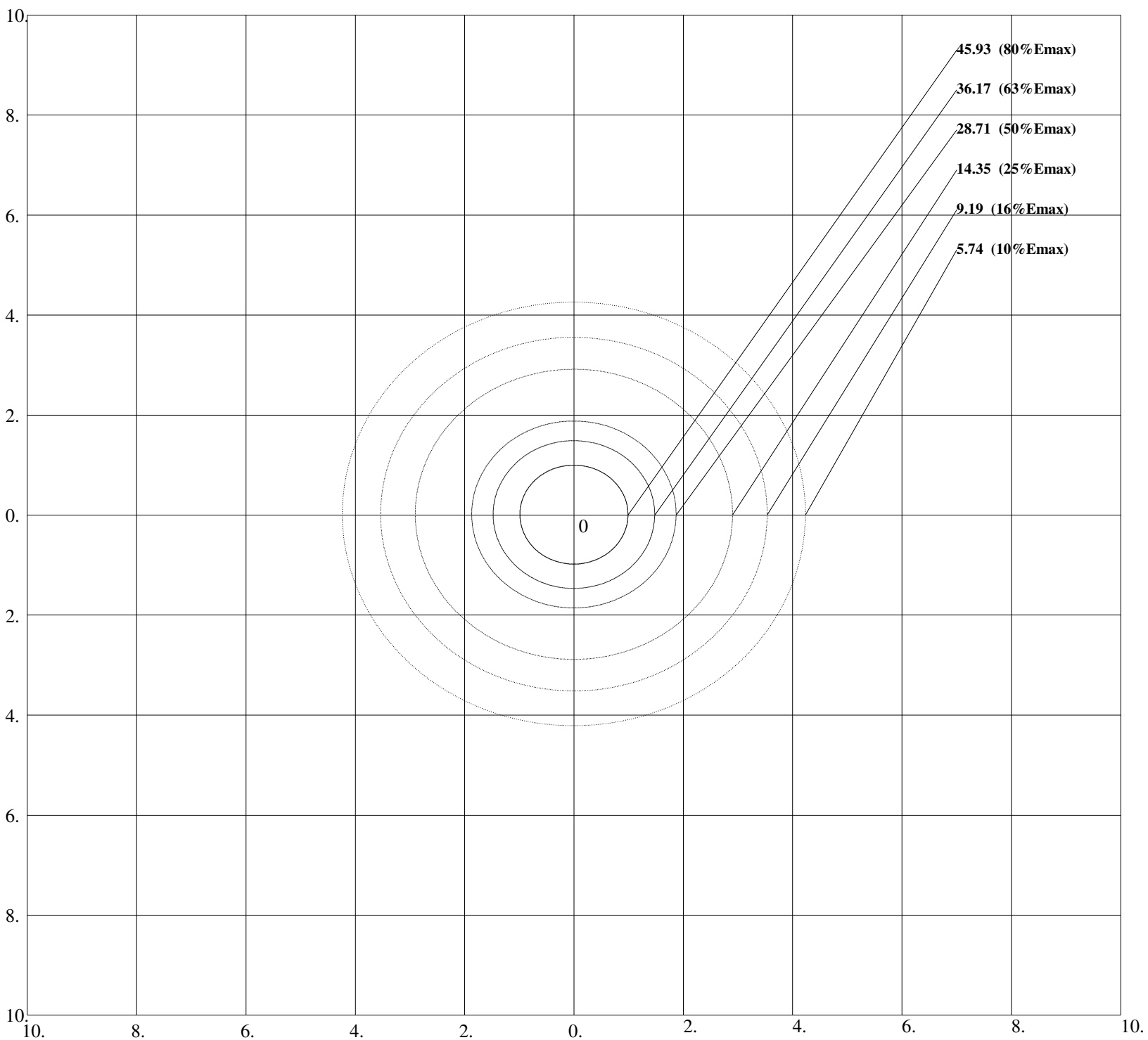
RP Lighting + Fans

ISO-Candela V-H [Unit :cd]8537-HO-90-3K



RP Lighting + Fans

Iso-Lux [Unit :lx]8537-HO-90-3K



Units: lx
Height: 3 m
Max Illuminance : 57.42lx

RP Lighting + Fans
Lux-Distance Curve

