

RP Lighting and Fans

4931 Paseo Del Norte NE,

Albuquerque, NM 87113

TEL:505.821.6964

Email:rplighting@rplighting.com

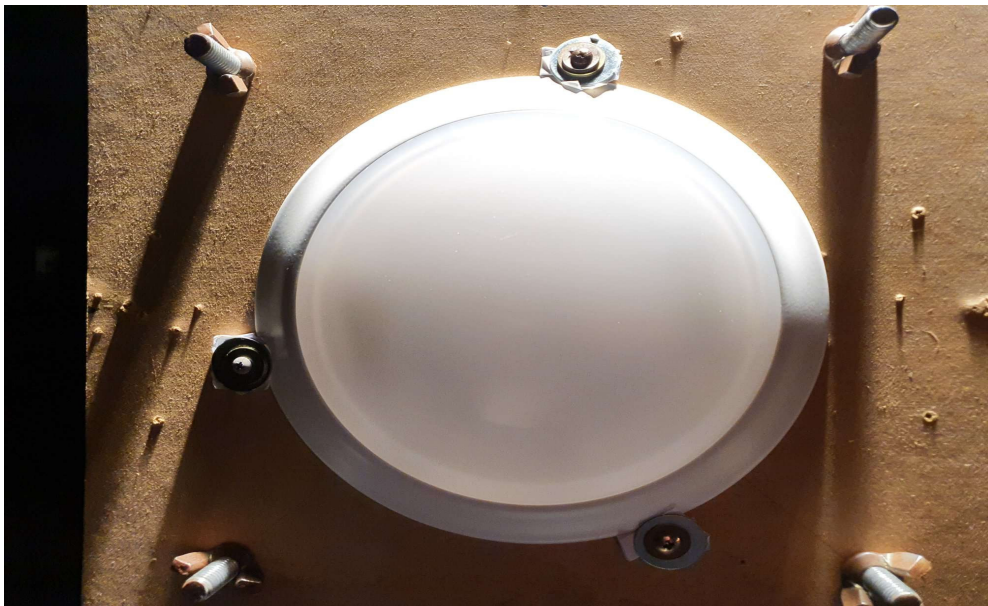
Website:www.rplighting.com/

Test Report of Luminaire

Report No.:

Luminaire Type	8554WH-90-4K		
Lamp Type	LED		
Client		EUT NO.	CCT: 3843K, CRI: 94.5Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.256
Power:	30.5	Power Factor	0.995
Frequency:	60Hz	Tc	4000K
Photometric Parameters			
Luminaire Flux	2185.20 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	823.367cd	Central Intensity	823.367cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.02%		
Downward Flux Ratio	-218520.0%		
50%Imax Beam Width	C0_180[52.0 ,-52.0] C90_270[52.1 ,-51.7]		
Remark			

Luminaire Figure



Photometric Data Table [Unit:cd] 8554WH-90-4K

C\G	0	5	10	15	20	25	30	35	40	45
0	823.4	815.5	797.8	771.7	738.3	697.6	652.6	601.2	547.4	491.3
5	823.4	815.8	797.8	771.7	738.0	698.0	652.6	601.2	547.8	491.7
10	823.4	815.5	797.8	771.7	738.3	698.0	652.6	601.5	548.1	491.7
15	823.4	815.5	798.1	771.7	738.3	698.0	652.6	601.8	548.1	492.3
20	823.4	815.8	797.8	771.7	738.7	698.3	652.6	601.5	548.1	492.3
25	823.4	815.5	798.1	772.1	738.7	698.3	652.9	601.8	548.4	492.3
30	823.4	815.5	797.8	772.1	738.7	698.3	653.2	602.5	548.4	492.3
35	823.4	815.5	797.8	772.1	738.7	698.6	652.9	602.5	548.4	492.7
40	823.4	815.5	797.8	772.1	738.7	698.6	653.2	602.2	548.4	492.7
45	823.4	815.5	797.8	772.1	738.7	698.6	653.2	602.2	548.8	492.7
50	823.4	815.8	798.1	771.7	738.7	698.6	653.2	602.5	548.8	493.0
55	823.4	815.5	798.1	772.1	738.7	698.6	653.2	602.5	549.1	493.0
60	823.4	815.5	797.8	772.1	738.7	698.6	653.6	602.5	549.1	493.0
65	823.4	815.5	798.1	772.1	738.7	698.6	653.2	602.5	549.1	493.0
70	823.4	815.5	797.8	772.1	738.7	698.6	653.2	602.8	549.1	493.3
75	823.4	815.1	798.1	772.1	738.7	698.6	653.2	602.2	549.1	493.3
80	823.4	815.1	797.8	772.1	738.7	698.6	653.2	602.2	549.1	493.0
85	823.4	815.1	797.8	772.1	738.7	698.3	653.2	601.8	548.8	493.0
90	823.4	815.5	797.8	772.1	738.7	698.3	653.2	602.2	548.8	492.7
95	823.4	815.1	797.8	772.1	738.7	698.3	652.9	602.5	549.1	492.7
100	823.4	815.1	797.8	772.1	738.3	698.3	653.2	601.8	548.4	492.7
105	823.4	815.1	797.4	772.1	738.3	698.3	652.9	601.8	548.8	492.7
110	823.4	815.1	797.8	771.7	738.3	698.0	652.9	601.5	548.1	492.3
115	823.4	815.1	797.8	771.7	738.3	698.0	652.9	601.5	548.1	492.3
120	823.4	815.1	797.4	771.4	738.3	698.0	652.9	601.5	548.1	492.3
125	823.4	815.1	797.4	771.4	738.0	698.0	652.6	601.5	548.1	492.3
130	823.4	814.8	797.4	771.4	738.0	698.0	652.6	601.5	547.8	493.0
135	823.4	814.8	797.1	771.4	738.0	697.6	652.6	601.5	547.8	492.7
140	823.4	814.8	797.4	771.4	738.0	698.0	652.6	601.5	548.1	492.0
145	823.4	814.8	797.1	771.4	738.0	697.6	652.2	601.2	548.1	492.0
150	823.4	814.5	797.4	771.4	738.0	698.0	652.2	601.2	547.8	491.7
155	823.4	814.5	797.1	771.1	737.7	697.3	652.2	601.2	548.1	492.0
160	823.4	814.5	797.1	771.1	737.7	697.6	652.2	600.8	547.8	492.3
165	823.4	814.5	797.1	771.1	737.7	697.3	652.2	600.8	547.8	492.0
170	823.4	814.5	796.8	770.7	737.7	697.3	651.9	600.8	548.1	492.0
175	823.4	814.1	796.8	770.7	737.3	697.0	651.9	600.8	548.1	492.0
180	823.4	814.1	796.4	770.7	737.3	697.3	651.9	600.8	548.1	492.0
185	823.4	814.1	796.4	770.7	737.0	697.0	651.6	600.5	548.1	491.7
190	823.4	814.1	796.4	770.4	737.0	697.0	651.6	601.2	547.1	491.7
195	823.4	814.1	796.4	770.4	737.0	697.0	651.6	600.5	547.1	491.3
200	823.4	814.1	796.1	770.4	736.7	696.6	651.2	600.5	547.4	491.0
205	823.4	814.1	796.1	770.1	736.7	696.6	651.2	600.2	547.1	491.0
210	823.4	813.8	796.1	770.1	736.7	696.3	651.2	600.2	547.1	490.7
215	823.4	813.8	796.1	770.1	736.3	696.3	651.2	600.5	546.4	490.3
220	823.4	813.8	796.1	770.1	736.3	696.3	650.9	599.8	546.8	490.3
225	823.4	813.8	795.8	769.7	736.3	696.0	650.6	599.8	546.1	490.0
230	823.4	813.8	796.1	769.7	736.0	696.0	650.6	599.5	546.1	490.7
235	823.4	813.5	795.8	769.4	736.0	696.0	650.6	599.5	545.8	490.3

Photometric Data Table [Unit:cd] 8554WH-90-4K

240	823.4	813.5	795.8	769.4	736.0	695.6	650.2	599.2	545.8	489.7
245	823.4	813.5	795.4	769.4	736.0	695.6	650.2	599.2	545.4	489.7
250	823.4	813.5	795.4	769.4	736.0	695.6	650.2	599.2	545.8	489.7
255	823.4	813.1	795.4	769.4	736.0	695.6	650.2	598.8	545.4	489.3
260	823.4	813.1	795.4	769.1	735.7	695.6	649.9	598.5	545.4	489.3
265	823.4	813.1	795.4	769.1	735.7	695.6	649.9	599.2	545.4	489.7
270	823.4	813.1	795.4	769.4	735.7	695.3	649.9	598.5	545.4	489.3
275	823.4	813.1	795.4	769.1	735.7	695.3	649.9	598.5	545.1	489.3
280	823.4	813.1	795.4	769.4	735.7	695.3	649.9	599.2	545.1	489.3
285	823.4	813.1	795.4	769.4	735.7	695.6	649.9	599.2	545.1	489.7
290	823.4	813.1	795.4	769.4	735.7	695.3	649.9	599.2	545.1	489.3
295	823.4	813.1	795.4	769.1	735.7	695.3	649.9	599.2	545.4	489.3
300	823.4	813.1	795.4	769.4	735.7	695.6	649.9	599.2	545.4	489.7
305	823.4	813.1	795.4	769.4	735.7	695.6	649.9	599.5	545.4	489.7
310	823.4	813.1	795.4	769.4	735.7	695.6	650.2	599.5	545.4	489.7
315	823.4	813.1	795.4	769.4	735.7	695.6	650.2	599.2	545.8	490.0
320	823.4	813.1	795.4	769.4	736.0	696.0	650.6	599.5	545.8	490.0
325	823.4	813.1	795.4	769.4	736.3	696.0	650.6	599.5	546.4	490.3
330	823.4	813.1	795.4	769.7	736.3	696.0	650.2	599.5	546.1	490.3
335	823.4	812.8	795.4	769.4	736.3	696.0	650.2	599.5	546.1	490.3
340	823.4	813.1	795.4	769.7	736.7	696.3	650.2	599.8	546.4	490.3
345	823.4	813.1	795.8	769.7	736.7	696.6	650.2	600.2	546.4	491.0
350	823.4	813.1	795.8	769.7	736.3	696.6	650.2	600.2	546.8	491.0
355	823.4	813.1	795.4	769.7	736.7	696.6	650.6	600.5	547.1	491.0
360	823.4	815.5	797.8	771.7	738.3	697.6	652.6	601.2	547.4	491.3

C\G	50	55	60	65	70	75	80	85	90
0	434.6	375.9	317.8	259.7	202.9	145.2	95.8	55.1	26.6
5	434.6	376.2	317.8	260.0	203.3	145.2	96.0	55.2	26.7
10	434.9	376.2	318.1	260.0	203.3	145.5	96.1	55.4	26.7
15	434.9	376.5	318.4	260.0	203.6	145.6	96.3	55.3	26.6
20	435.3	376.9	318.4	260.4	203.9	145.8	96.4	55.1	26.3
25	435.3	376.9	318.4	260.7	203.9	146.0	96.5	55.1	25.9
30	435.6	377.2	318.8	260.7	204.3	146.2	96.6	55.1	25.3
35	435.9	377.2	318.8	261.0	204.3	146.4	96.7	55.0	24.6
40	435.6	377.2	319.1	261.4	204.6	146.6	96.8	55.1	24.0
45	435.9	377.5	319.4	261.4	204.6	146.8	97.1	55.2	23.8
50	435.9	377.5	319.8	261.4	204.9	147.0	97.3	55.4	24.1
55	436.3	377.9	319.4	261.4	205.3	147.2	97.5	55.6	24.8
60	436.3	377.9	319.8	261.7	204.9	147.4	97.7	55.8	25.7
65	435.9	377.5	319.8	261.7	205.3	147.4	97.9	56.1	26.6
70	436.3	378.2	319.8	262.0	205.3	147.6	98.1	56.4	27.2
75	436.3	378.2	319.8	262.0	205.3	147.7	98.1	56.7	27.5
80	435.9	378.2	320.1	262.0	205.6	147.8	98.2	57.0	27.7
85	436.3	378.2	319.8	262.0	205.6	147.9	98.4	57.1	27.8
90	435.9	378.2	319.8	262.0	205.6	148.1	98.4	57.1	27.9
95	435.9	378.2	319.8	262.0	206.0	148.2	98.5	57.2	27.9
100	435.6	378.2	319.8	262.4	205.6	148.3	98.6	57.3	28.0

Photometric Data Table [Unit:cd] 8554WH-90-4K

105	435.6	378.2	319.8	262.0	205.6	148.2	98.6	57.3	28.0
110	435.3	377.9	319.8	262.0	205.6	148.2	98.6	57.2	27.9
115	435.3	377.9	319.4	262.0	205.6	148.1	98.7	57.2	27.6
120	435.3	377.9	319.4	262.0	205.6	148.1	98.7	57.1	26.9
125	434.9	377.5	319.4	262.0	205.6	148.1	98.6	57.0	26.0
130	435.3	377.9	319.4	262.0	205.6	148.1	98.6	56.9	25.4
135	434.9	377.2	319.4	261.7	205.6	148.1	98.6	56.9	25.1
140	434.9	377.2	319.1	261.7	205.6	148.0	98.6	56.8	25.1
145	434.9	377.2	319.4	261.7	205.6	148.0	98.5	56.8	25.5
150	434.9	377.2	319.4	261.7	205.6	148.0	98.5	56.8	26.1
155	434.9	377.2	319.8	261.4	205.3	147.9	98.4	56.7	26.8
160	434.6	376.9	319.8	261.4	205.3	147.8	98.3	56.7	27.2
165	434.9	376.9	319.4	262.0	204.9	147.6	98.3	56.8	27.4
170	434.6	377.2	319.1	261.4	204.9	147.5	98.1	56.9	27.5
175	434.6	376.5	319.4	261.4	204.9	147.3	97.9	56.7	27.5
180	434.6	376.5	319.1	261.0	204.9	147.2	97.8	56.5	27.3
185	434.3	376.5	319.1	261.0	204.6	147.0	97.6	56.4	27.2
190	434.3	376.9	318.8	260.7	204.3	146.8	97.4	56.3	27.1
195	433.9	376.5	318.8	260.7	203.9	146.8	97.2	56.0	26.8
200	433.9	376.2	318.8	260.4	203.9	146.3	97.0	55.6	26.4
205	433.9	376.2	318.1	260.0	203.6	146.1	96.8	55.3	25.9
210	433.6	375.9	318.1	260.0	203.6	145.8	96.5	55.0	25.2
215	433.3	375.2	317.8	259.7	202.9	145.5	96.2	54.8	24.3
220	433.3	375.2	317.8	259.4	202.9	145.3	96.0	54.5	23.5
225	433.3	374.8	317.4	259.4	202.6	145.0	95.7	54.3	23.1
230	432.9	375.2	317.1	259.0	202.3	144.8	95.5	54.2	23.2
235	432.9	374.8	316.8	258.7	202.3	144.5	95.3	54.1	23.7
240	432.6	374.5	316.8	258.7	201.9	144.3	95.2	54.0	24.5
245	432.6	374.2	316.4	258.4	201.9	144.1	95.0	54.1	25.3
250	432.3	374.2	316.4	258.4	201.6	143.9	94.9	54.1	25.7
255	431.9	373.8	316.1	258.0	201.3	143.7	94.7	54.2	25.9
260	431.9	373.8	316.1	258.0	201.3	143.7	94.6	54.2	26.0
265	431.9	373.8	315.8	258.0	200.9	143.6	94.6	54.1	26.0
270	431.9	373.5	315.8	258.0	200.9	143.6	94.4	54.1	25.9
275	431.6	373.5	316.1	257.7	200.9	143.6	94.4	54.1	25.9
280	431.9	373.5	315.8	257.7	201.3	143.6	94.4	54.0	25.8
285	431.9	373.8	315.4	257.7	200.9	143.6	94.3	53.9	25.7
290	431.6	373.8	315.4	257.7	200.9	143.6	94.4	53.8	25.4
295	431.9	373.8	315.8	258.0	200.9	143.7	94.5	53.7	25.0
300	431.9	373.8	315.8	258.0	201.3	143.6	94.5	53.6	24.3
305	431.9	374.2	315.8	258.0	201.3	143.9	94.5	53.5	23.5
310	432.3	374.5	315.8	258.0	201.3	143.8	94.6	53.4	22.8
315	432.3	374.2	316.1	258.0	201.6	143.9	94.6	53.4	22.6
320	432.6	374.2	316.1	258.4	201.6	144.1	94.6	53.5	22.9
325	432.6	374.5	316.4	258.7	201.6	144.2	94.7	53.6	23.6
330	432.9	374.5	316.4	258.7	201.9	144.3	94.9	53.8	24.5
335	432.9	374.8	316.8	258.7	201.9	144.3	95.0	54.0	25.3
340	433.6	374.8	316.8	259.0	201.9	144.6	95.1	54.2	25.8
345	433.6	375.2	316.8	259.4	202.3	144.6	95.2	54.6	26.2

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Photometric Data Table [Unit:cd] 8554WH-90-4K

350	433.6	375.2	317.4	259.4	202.3	144.8	95.4	54.8	26.5
355	433.6	375.5	317.1	259.7	202.6	144.9	95.5	54.9	26.6
360	434.6	375.9	317.8	259.7	202.9	145.2	95.8	55.1	26.6

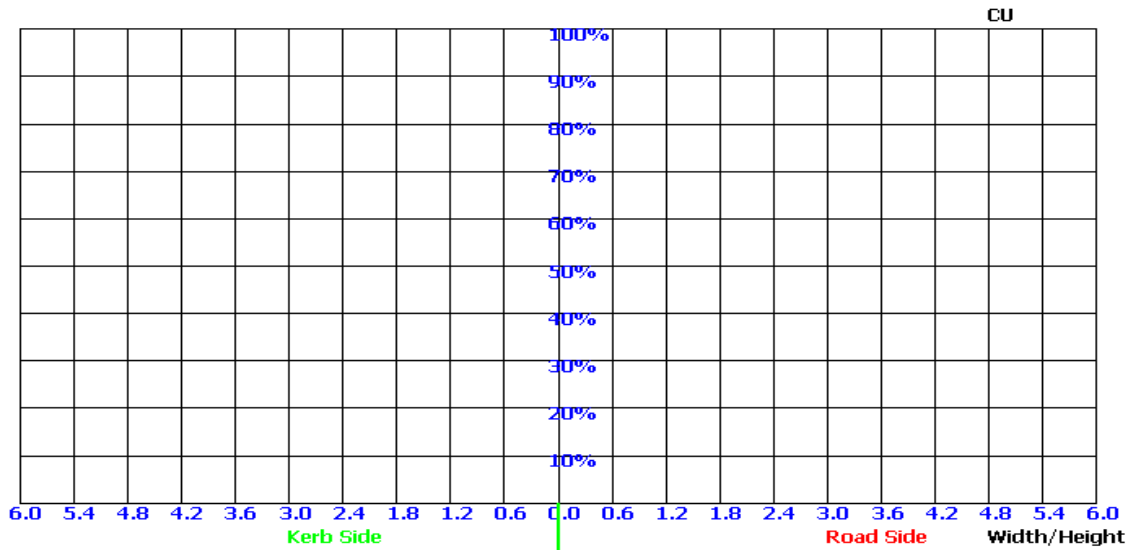
ILSUNG

Zonal Flux: 8554WH-90-4K

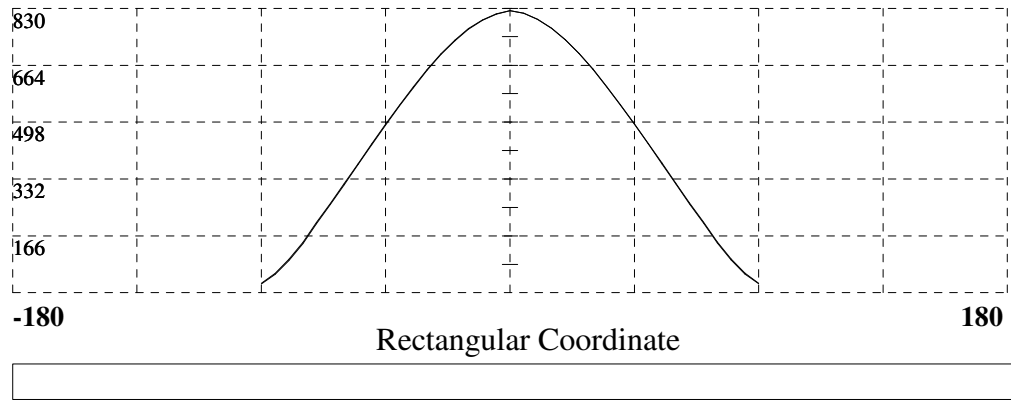
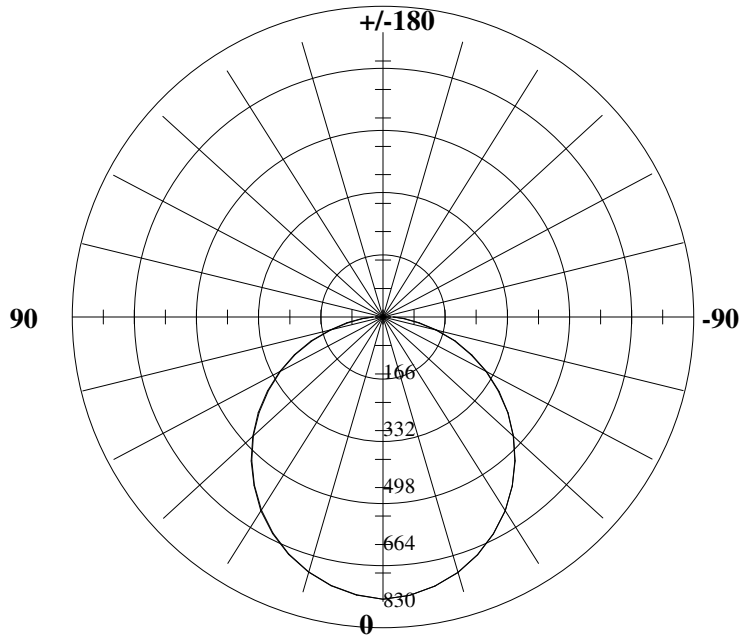
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	823.37	0.00	0.00	0.00	0.00
5	814.27	19.58	19.58	-1957.76	-1957.76
10	796.66	57.63	77.21	-5762.81	-7720.57
15	770.68	92.97	170.18	-9297.32	-17017.91
20	737.26	124.28	294.45	-12427.56	-29445.48
25	697.06	150.43	444.89	-15043.39	-44488.87
30	651.64	170.68	615.57	-17067.85	-61556.73
35	600.68	184.41	799.98	-18441.31	-79998.06
40	547.23	191.52	991.50	-19152.15	-99150.22
45	491.35	192.30	1183.80	-19230.20	-118380.43
50	434.12	187.00	1370.81	-18700.35	-137080.79
55	376.08	176.16	1546.97	-17616.42	-154697.22
60	318.08	160.45	1707.43	-16045.30	-170742.53
65	260.17	140.57	1848.00	-14057.36	-184799.88
70	203.59	117.43	1965.43	-11742.79	-196542.63
75	145.98	91.37	2056.80	-9137.08	-205679.69
80	96.57	64.90	2121.70	-6489.79	-212169.48
85	55.37	41.28	2162.98	-4128.43	-216297.88
90	25.80	22.22	2185.20	-2222.30	-218520.24

ILSUNG

Coefficient Utilization Curve 8554WH-90-4K

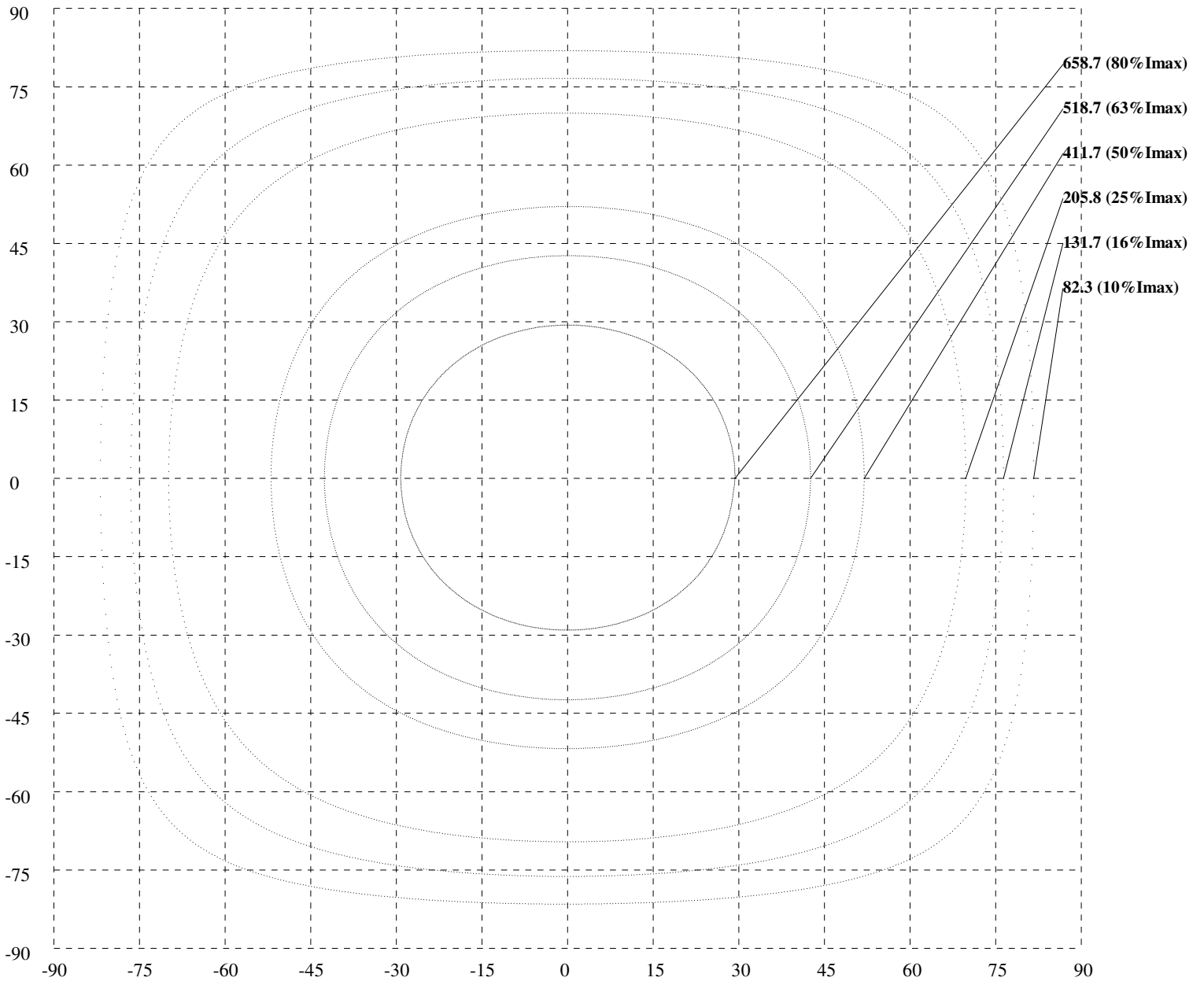


Light Distribution Curve[Unit: cd]



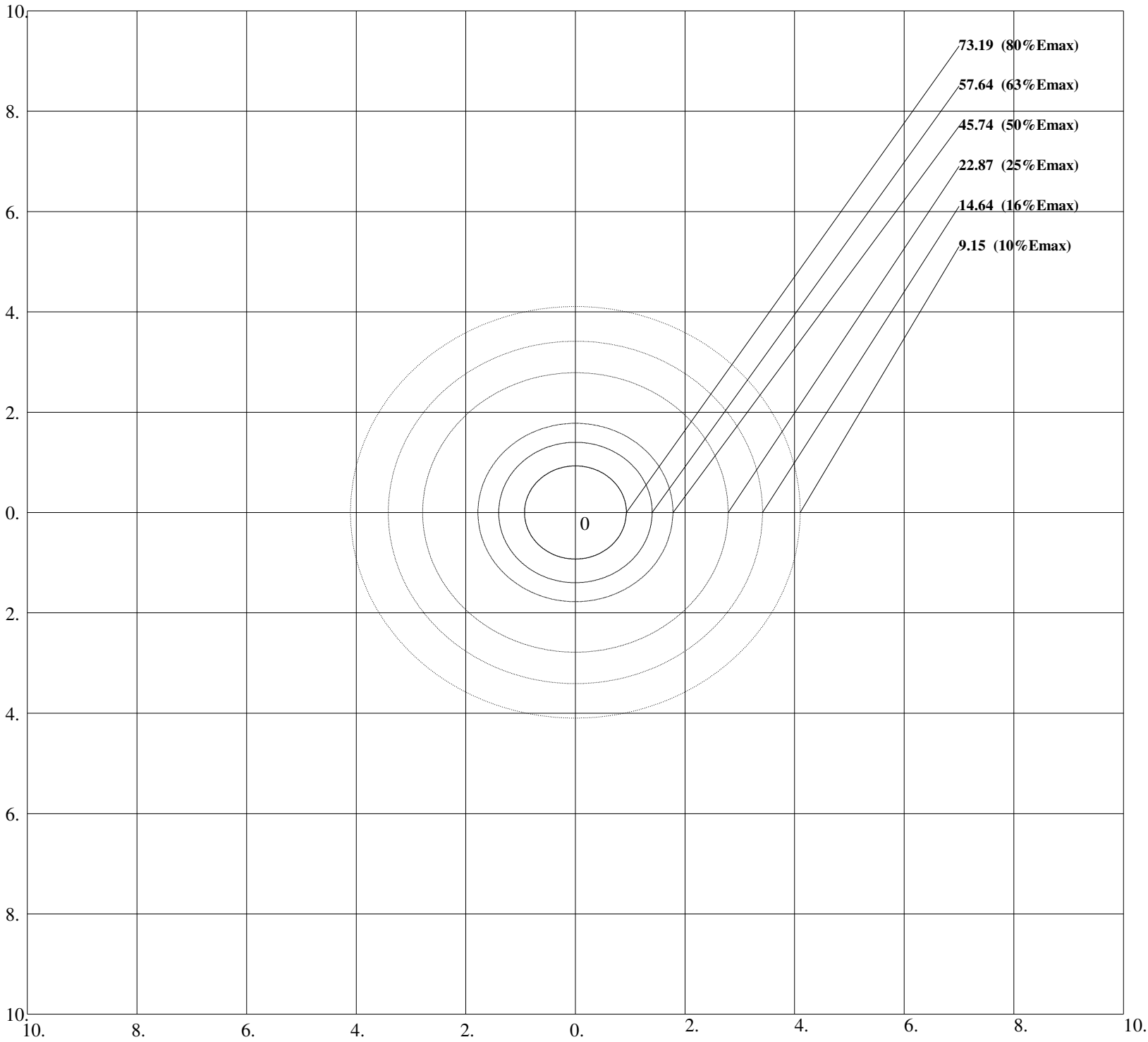
ILSUNG

ISO-Candela V-H [Unit :cd]8554WH-90-4K



ILSUNG

Iso-Lux [Unit :lx]8554WH-90-4K



Units: lx
Height: 3 m
Max Illuminance : 91.49lx

ILSUNG
Lux-Distance Curve

