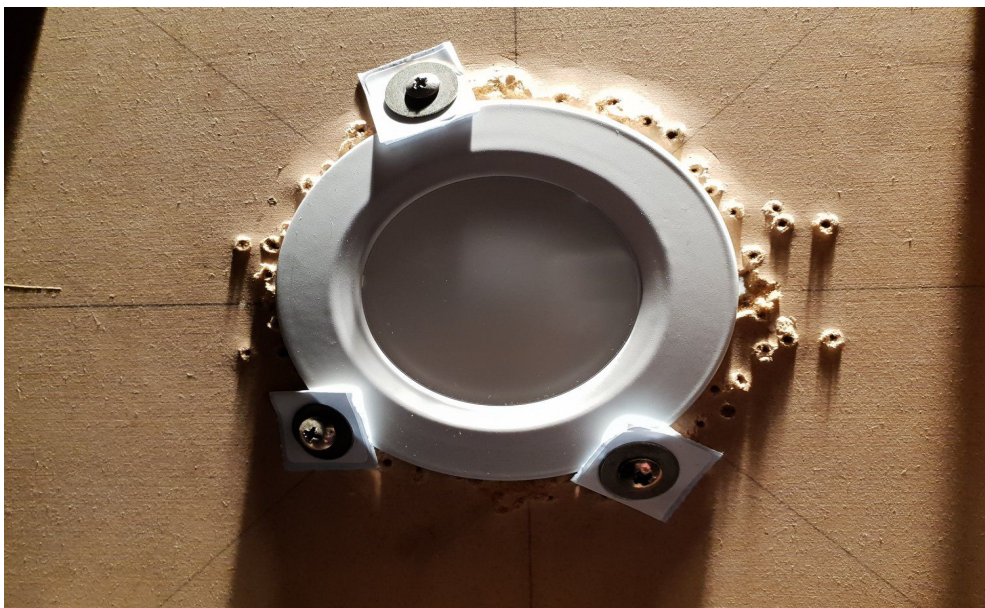


Test Report of Luminaire

Report No.:

Luminaire Type	8709WH-90-3K		
Lamp Type	LED_DOB		
Client		EUT NO.	CCT: 2894K, CRI: 92.8Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.105
Power:	11.4	Power Factor	0.910
Frequency:	60Hz	Tc	3000K
Photometric Parameters			
Luminaire Flux	691.86 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	293.514cd	Central Intensity	293.514cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-69186.05%		
50%Imax Beam Width	C0_180[48.6 , -46.3] C90_270[47.3 , -47.0]		
Remark			

Luminaire Figure



RP Lighting • Fans

Photometric Data Table [Unit:cd] 8709WH-90-3K

C\G	0	5	10	15	20	25	30	35	40	45
0	293.5	292.1	286.1	276.4	263.4	247.7	229.3	209.6	188.9	162.4
5	293.5	292.1	286.4	276.4	263.4	247.7	229.3	209.6	188.6	162.6
10	293.5	292.1	286.1	276.4	263.7	247.7	229.3	209.6	188.9	162.6
15	293.5	291.7	286.1	276.7	263.7	248.0	229.3	210.0	188.9	162.6
20	293.5	292.1	286.4	276.7	263.4	247.7	229.6	209.6	188.9	162.5
25	293.5	292.1	286.1	276.4	263.7	247.7	229.3	209.6	188.9	162.4
30	293.5	291.7	286.4	276.4	263.4	247.3	229.3	209.6	188.6	162.2
35	293.5	292.1	286.1	276.4	263.0	247.3	229.3	209.3	188.3	161.9
40	293.5	291.7	286.1	276.0	263.4	247.0	228.6	209.0	187.9	161.6
45	293.5	291.7	285.7	276.0	262.7	246.7	228.6	208.6	187.6	161.2
50	293.5	291.7	286.1	275.7	262.7	246.3	228.3	208.3	187.3	160.7
55	293.5	291.7	285.7	275.7	262.4	246.0	227.6	207.6	186.6	160.2
60	293.5	291.7	285.4	275.4	262.0	245.7	227.0	207.3	186.3	159.7
65	293.5	291.7	285.4	275.4	261.7	245.3	227.0	206.6	185.3	159.2
70	293.5	291.7	285.4	274.7	261.4	244.7	226.3	206.3	184.9	158.6
75	293.5	291.4	285.1	274.4	261.0	244.7	225.6	205.6	184.9	158.1
80	293.5	291.4	284.7	274.4	260.7	244.0	225.3	204.9	183.9	157.5
85	293.5	291.1	284.7	274.0	260.0	243.3	224.6	204.6	183.6	157.0
90	293.5	291.4	284.4	273.7	259.7	243.0	224.3	203.9	182.9	156.4
95	293.5	291.1	284.4	273.4	259.4	242.7	223.6	203.6	182.6	155.9
100	293.5	291.1	284.1	273.0	258.7	242.3	223.0	202.9	181.9	155.4
105	293.5	290.7	284.1	273.0	258.7	241.7	222.6	202.6	181.6	155.0
110	293.5	290.7	283.7	272.4	258.4	241.3	222.3	201.9	180.9	154.5
115	293.5	290.7	283.4	272.4	258.0	241.0	221.6	201.6	180.2	154.1
120	293.5	290.7	283.4	272.0	257.7	240.7	221.6	200.9	179.9	153.7
125	293.5	290.4	283.1	271.7	257.4	240.3	221.3	200.9	179.6	153.4
130	293.5	290.4	283.1	271.7	257.0	240.0	220.6	200.6	179.2	153.1
135	293.5	290.4	282.7	271.4	256.7	239.7	220.6	200.3	178.9	152.9
140	293.5	290.1	282.7	271.4	256.7	239.7	220.3	200.3	179.2	152.7
145	293.5	290.1	282.7	271.4	256.7	239.7	220.3	199.9	178.6	152.5
150	293.5	290.1	282.4	271.0	256.4	239.3	220.0	199.9	178.6	152.4
155	293.5	290.1	282.1	270.7	256.4	239.3	220.0	199.6	178.6	152.3
160	293.5	290.1	282.4	270.7	256.4	239.0	219.6	199.6	178.6	152.3
165	293.5	290.1	282.1	270.7	256.0	238.7	219.6	199.6	178.6	152.3
170	293.5	289.7	282.1	270.7	256.0	238.7	219.6	199.3	178.2	152.3
175	293.5	290.1	282.1	270.7	256.0	239.0	219.6	199.6	178.6	152.3
180	293.5	289.7	281.7	270.7	256.4	238.7	220.0	199.6	178.6	152.4
185	293.5	289.7	282.1	270.7	256.0	239.0	220.0	199.6	178.6	152.5
190	293.5	289.7	282.1	270.7	256.0	239.0	220.0	199.6	178.9	152.6
195	293.5	289.7	282.1	270.7	256.4	239.0	220.3	199.6	178.9	152.8
200	293.5	289.7	282.1	270.7	256.4	239.3	220.3	199.9	179.2	152.9
205	293.5	289.7	282.1	270.7	256.0	239.3	220.3	200.3	179.2	153.0
210	293.5	289.7	282.1	271.0	256.0	239.3	220.3	200.3	178.9	153.2
215	293.5	289.4	282.1	271.0	256.4	239.7	220.3	200.3	179.6	153.3
220	293.5	289.4	282.1	271.0	256.4	239.3	220.6	200.6	179.6	153.5
225	293.5	290.1	282.4	271.0	256.7	239.7	220.6	200.6	179.6	153.6
230	293.5	289.7	282.1	271.0	256.4	239.7	221.0	200.6	179.9	153.7
235	293.5	290.1	282.4	271.0	256.7	239.7	221.0	200.6	179.9	153.8

RP Lighting • Fans

Photometric Data Table [Unit:cd] 8709WH-90-3K

240	293.5	289.7	282.4	271.4	256.7	240.0	221.3	200.9	180.2	154.0
245	293.5	290.1	282.7	271.7	256.7	240.0	221.3	201.3	180.2	154.1
250	293.5	290.1	282.7	271.4	257.0	240.3	221.3	201.3	180.2	154.2
255	293.5	290.1	282.7	271.7	257.4	240.7	221.6	201.6	180.6	154.4
260	293.5	290.4	283.1	271.7	257.4	240.7	222.0	201.6	180.6	154.6
265	293.5	290.4	283.1	272.0	257.7	240.7	222.0	201.9	180.9	154.7
270	293.5	290.4	283.4	272.4	258.0	241.0	222.0	201.9	180.9	154.9
275	293.5	290.4	283.4	272.4	258.0	241.3	222.6	202.3	181.2	155.1
280	293.5	290.4	283.7	272.7	258.4	241.7	223.0	202.6	181.9	155.4
285	293.5	290.7	283.7	273.0	258.7	242.0	223.0	202.9	181.9	155.7
290	293.5	291.1	283.7	273.0	259.0	242.3	223.3	203.3	182.3	156.0
295	293.5	291.1	284.1	273.4	259.4	242.7	224.0	203.6	182.6	156.4
300	293.5	291.1	284.4	273.7	259.7	243.0	224.3	204.3	182.9	156.8
305	293.5	290.7	284.4	274.0	259.7	243.7	224.6	204.6	183.6	157.3
310	293.5	291.1	284.7	274.0	260.4	243.7	225.0	204.9	184.3	157.8
315	293.5	291.1	284.7	274.0	260.7	244.3	225.6	205.6	184.6	158.3
320	293.5	291.1	285.1	274.7	261.0	244.7	226.3	206.3	184.9	158.9
325	293.5	291.4	284.7	274.7	261.4	245.0	226.6	206.6	185.6	159.4
330	293.5	291.4	285.4	275.0	261.7	245.7	227.3	207.0	186.3	159.9
335	293.5	291.4	285.4	275.0	262.0	246.3	227.6	207.6	186.9	160.4
340	293.5	291.4	285.4	275.7	262.0	246.3	228.0	208.0	187.3	160.9
345	293.5	291.4	285.4	275.7	262.7	246.7	228.3	208.6	187.6	161.4
350	293.5	291.4	285.7	276.0	262.7	247.0	228.6	209.0	187.9	161.7
355	293.5	291.4	285.7	276.0	263.0	247.3	229.0	209.3	188.3	162.1
360	293.5	292.1	286.1	276.4	263.4	247.7	229.3	209.6	188.9	162.4

C\G	50	55	60	65	70	75	80	85	90
0	140.9	119.7	99.0	78.7	58.9	39.9	22.3	7.7	0.7
5	141.1	119.8	99.0	78.7	58.9	39.9	22.4	7.7	0.7
10	141.1	119.9	99.1	78.7	58.8	39.9	22.4	7.8	0.7
15	141.1	119.9	99.0	78.6	58.8	39.8	22.3	7.7	0.7
20	141.1	119.8	98.9	78.5	58.6	39.7	22.2	7.6	0.7
25	140.9	119.6	98.7	78.3	58.5	39.5	22.1	7.4	0.7
30	140.7	119.4	98.5	78.1	58.3	39.3	21.9	7.2	0.7
35	140.4	119.1	98.2	77.9	58.1	39.1	20.8	6.8	0.7
40	140.1	118.8	98.0	77.6	57.9	38.9	18.4	5.8	0.7
45	139.7	118.4	97.6	77.3	57.6	38.7	17.6	5.0	0.7
50	139.3	118.1	97.3	77.0	57.3	38.5	18.0	5.0	0.7
55	138.8	117.6	96.9	76.7	57.0	38.3	19.6	5.5	0.7
60	138.3	117.2	96.4	76.3	56.8	38.1	20.7	5.7	0.7
65	137.8	116.7	96.0	76.0	56.5	37.9	20.6	5.5	0.7
70	137.2	116.2	95.6	75.6	56.2	37.7	20.5	5.4	0.7
75	136.7	115.8	95.2	75.3	55.9	37.5	20.3	5.4	0.7
80	136.2	115.2	94.8	74.9	55.6	37.3	20.2	5.4	0.7
85	135.7	114.8	94.4	74.6	55.4	37.1	20.2	5.4	0.8
90	135.2	114.4	94.0	74.3	55.2	36.9	20.2	5.5	0.7
95	134.7	113.9	93.7	74.0	54.9	36.8	20.1	5.7	0.7
100	134.3	113.5	93.3	73.7	54.7	36.6	20.1	5.8	0.7

RP Lighting • Fans

Photometric Data Table [Unit:cd] 8709WH-90-3K

105	133.9	113.1	93.0	73.5	54.6	36.5	20.1	5.9	0.7
110	133.4	112.7	92.7	73.2	54.4	36.4	20.0	6.1	0.7
115	133.0	112.4	92.4	73.0	54.2	36.4	20.0	6.2	0.7
120	132.6	112.1	92.2	72.8	54.1	36.2	20.0	6.2	0.7
125	132.3	111.9	91.9	72.6	54.0	36.2	19.5	6.0	0.7
130	132.1	111.6	91.8	72.4	53.9	36.2	17.5	5.2	0.7
135	131.9	111.5	91.6	72.3	53.9	36.2	17.0	4.9	0.7
140	131.7	111.3	91.5	72.3	53.8	36.2	17.5	5.3	0.7
145	131.6	111.2	91.4	72.2	53.8	36.2	19.2	6.1	0.7
150	131.4	111.1	91.3	72.2	53.8	36.2	20.1	6.5	0.7
155	131.4	111.1	91.3	72.2	53.8	36.2	20.2	6.6	0.7
160	131.3	111.1	91.3	72.2	53.8	36.3	20.3	6.6	0.7
165	131.4	111.1	91.3	72.2	53.9	36.4	20.4	6.7	0.7
170	131.4	111.1	91.4	72.3	53.9	36.5	20.5	6.8	0.7
175	131.6	111.2	91.4	72.4	54.0	36.6	20.6	6.9	0.7
180	131.5	111.2	91.5	72.5	54.1	36.7	20.6	6.9	0.7
185	131.7	111.3	91.6	72.6	54.2	36.8	20.7	7.0	0.7
190	131.8	111.4	91.7	72.7	54.4	36.9	20.7	7.0	0.7
195	131.9	111.6	91.9	72.8	54.5	36.9	20.7	7.0	0.7
200	132.0	111.7	92.0	73.0	54.6	36.9	20.6	6.9	0.7
205	132.2	111.9	92.2	73.1	54.7	37.0	20.6	6.8	0.7
210	132.3	112.0	92.3	73.2	54.8	37.0	20.5	6.7	0.7
215	132.5	112.2	92.5	73.3	54.8	36.9	19.9	6.4	0.7
220	132.7	112.3	92.6	73.5	54.9	36.9	18.8	6.0	0.7
225	132.8	112.4	92.7	73.6	54.9	36.9	17.9	5.2	0.7
230	132.9	112.6	92.8	73.7	55.0	37.0	18.1	5.1	0.7
235	133.0	112.6	92.9	73.8	55.1	37.0	19.7	6.1	0.7
240	133.1	112.8	93.0	73.9	55.2	37.1	20.4	6.4	0.7
245	133.3	112.9	93.2	74.0	55.3	37.3	20.5	6.5	0.7
250	133.4	113.0	93.2	74.1	55.5	37.5	20.7	6.6	0.7
255	133.5	113.1	93.4	74.2	55.6	37.6	20.9	6.8	0.7
260	133.7	113.2	93.5	74.3	55.7	37.9	21.2	7.0	0.7
265	133.8	113.4	93.6	74.4	55.8	38.0	21.4	7.3	0.7
270	134.0	113.5	93.7	74.5	55.9	38.2	21.6	7.5	0.7
275	134.2	113.7	93.9	74.6	56.1	38.3	21.8	7.7	0.7
280	134.4	114.0	94.0	74.8	56.2	38.4	21.9	7.7	0.7
285	134.7	114.2	94.3	75.0	56.3	38.4	21.8	7.6	0.7
290	135.0	114.4	94.5	75.2	56.4	38.5	21.7	7.5	0.7
295	135.4	114.8	94.8	75.4	56.6	38.5	21.6	7.4	0.7
300	135.8	115.2	95.1	75.7	56.8	38.5	21.6	7.2	0.7
305	136.2	115.5	95.5	75.9	56.9	38.5	20.8	6.6	0.7
310	136.6	116.0	95.8	76.2	57.1	38.5	19.9	6.1	0.7
315	137.1	116.4	96.2	76.5	57.2	38.6	19.2	5.8	0.7
320	137.6	116.9	96.6	76.8	57.4	38.7	18.9	5.4	0.7
325	138.1	117.3	97.0	77.1	57.6	38.8	20.7	6.4	0.7
330	138.7	117.8	97.4	77.4	57.8	38.9	21.3	6.7	0.7
335	139.1	118.2	97.7	77.7	58.1	39.1	21.4	6.8	0.7
340	139.5	118.6	98.1	77.9	58.3	39.3	21.6	7.0	0.7
345	140.0	118.9	98.4	78.2	58.5	39.5	21.8	7.1	0.7

RP Lighting • Fans

Photometric Data Table [Unit:cd] 8709WH-90-3K

350	140.3	119.3	98.6	78.4	58.7	39.6	22.0	7.3	0.7
355	140.6	119.5	98.8	78.5	58.8	39.8	22.1	7.5	0.7
360	140.9	119.7	99.0	78.7	58.9	39.9	22.3	7.7	0.7

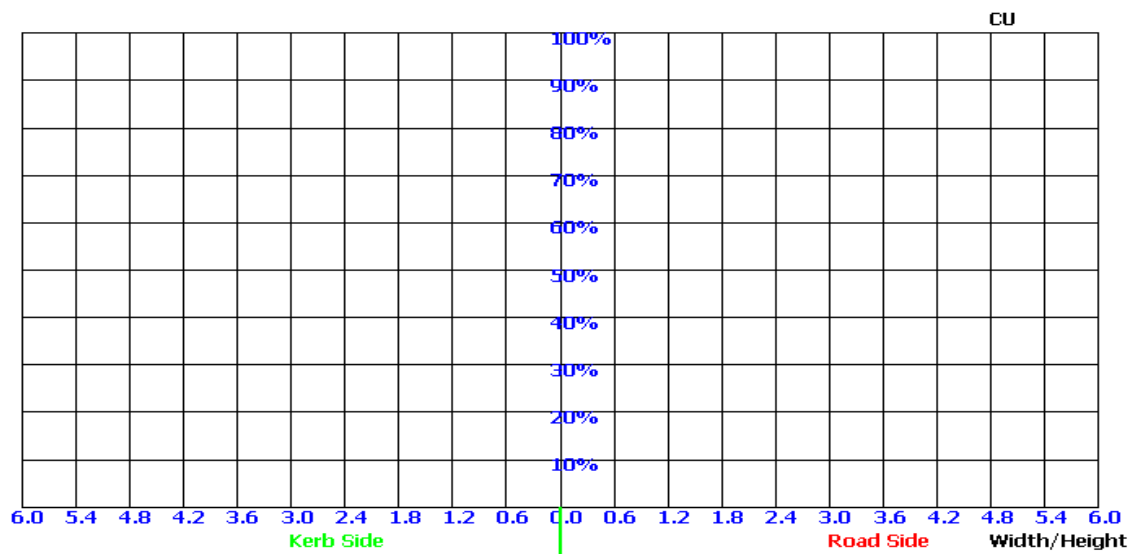
RP Lighting • Fans

Zonal Flux 8709WH-90-3K

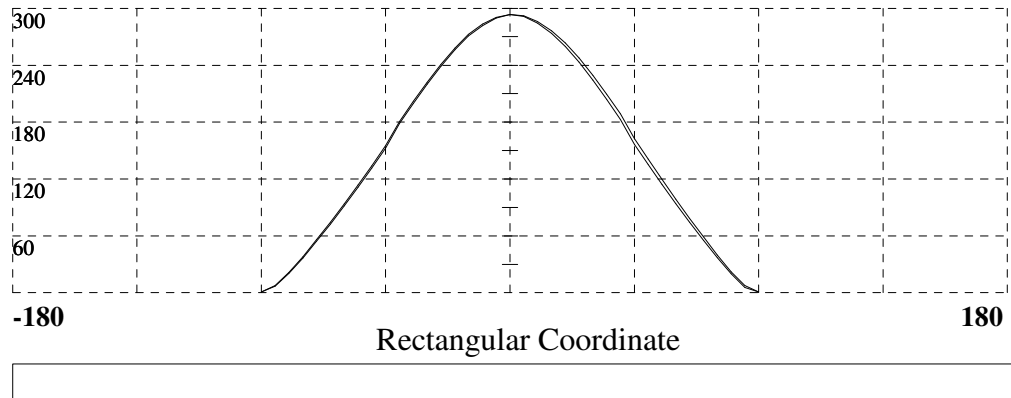
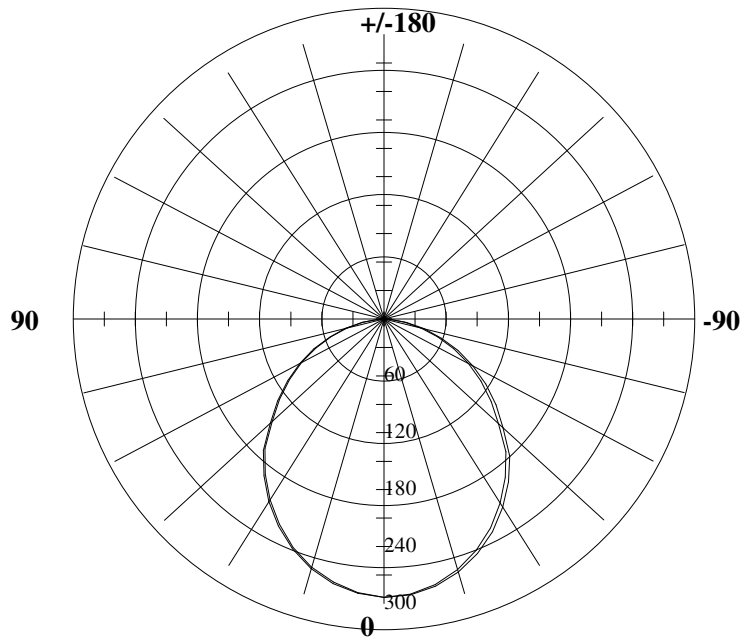
Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	293.51	0.00	0.00	0.00	0.00
5	290.78	6.99	6.99	-698.51	-698.51
10	283.93	20.56	27.54	-2055.93	-2754.44
15	273.22	33.05	60.59	-3304.98	-6059.42
20	259.23	43.88	104.48	-4388.10	-10447.53
25	242.63	52.64	157.11	-5263.56	-15711.09
30	223.86	59.04	216.15	-5903.52	-21614.61
35	203.78	62.97	279.12	-6297.29	-27911.91
40	182.77	64.49	343.61	-6449.31	-34361.22
45	156.50	62.82	406.43	-6282.04	-40643.26
50	135.38	58.98	465.41	-5898.04	-46541.30
55	114.69	54.37	519.79	-5437.49	-51978.80
60	94.54	48.36	568.15	-4836.40	-56815.19
65	74.96	41.21	609.36	-4120.52	-60935.70
70	55.98	33.15	642.51	-3315.45	-64251.14
75	37.75	24.50	667.01	-2449.99	-66701.14
80	20.43	15.57	682.58	-1556.79	-68257.93
85	6.48	7.31	689.89	-731.35	-68989.28
90	0.71	1.97	691.86	-196.87	-69186.15

RP Lighting • Fans

Coefficient Utilization Curve 8709WH-90-3K

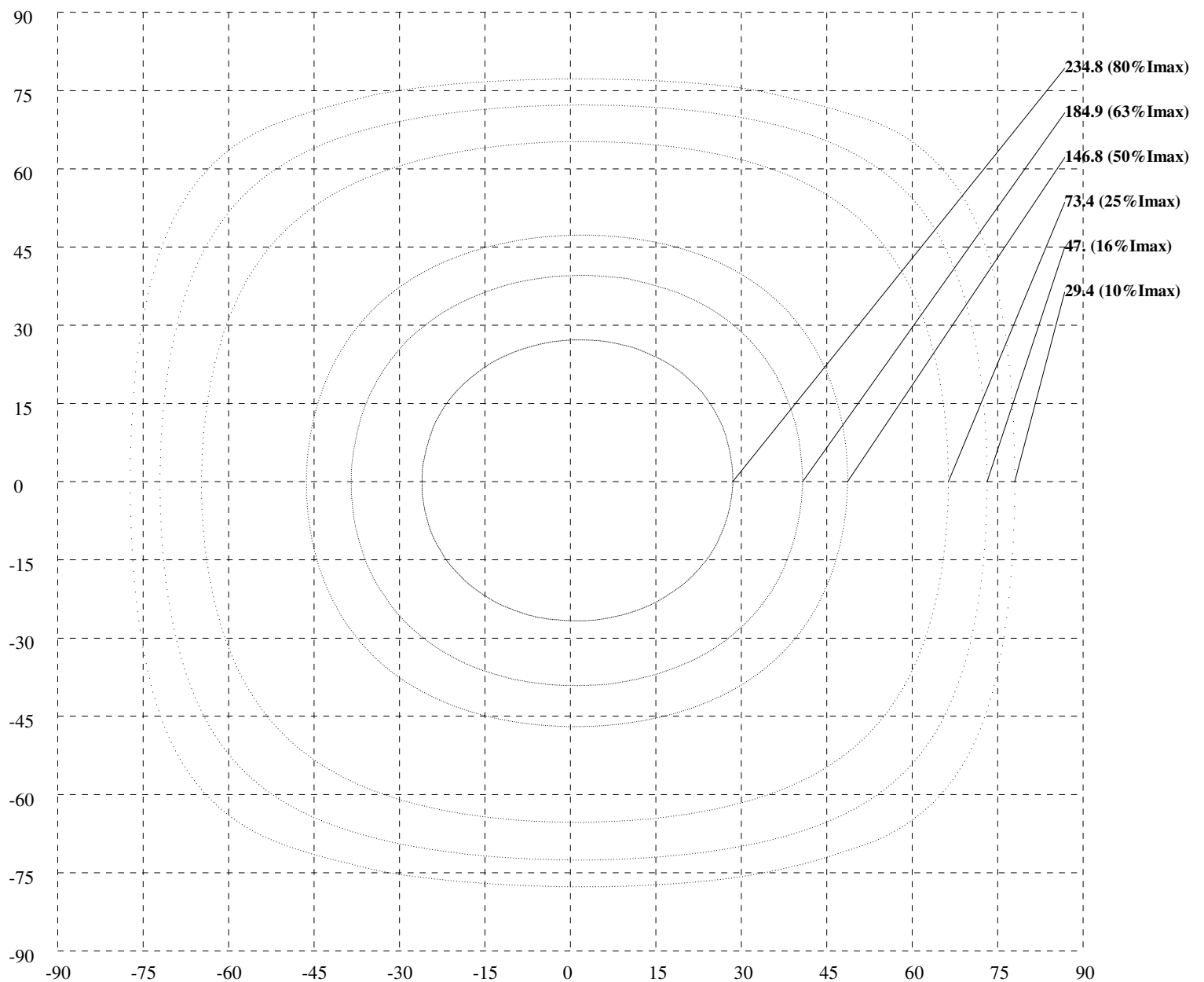


Light Distribution Curve[Unit: cd]



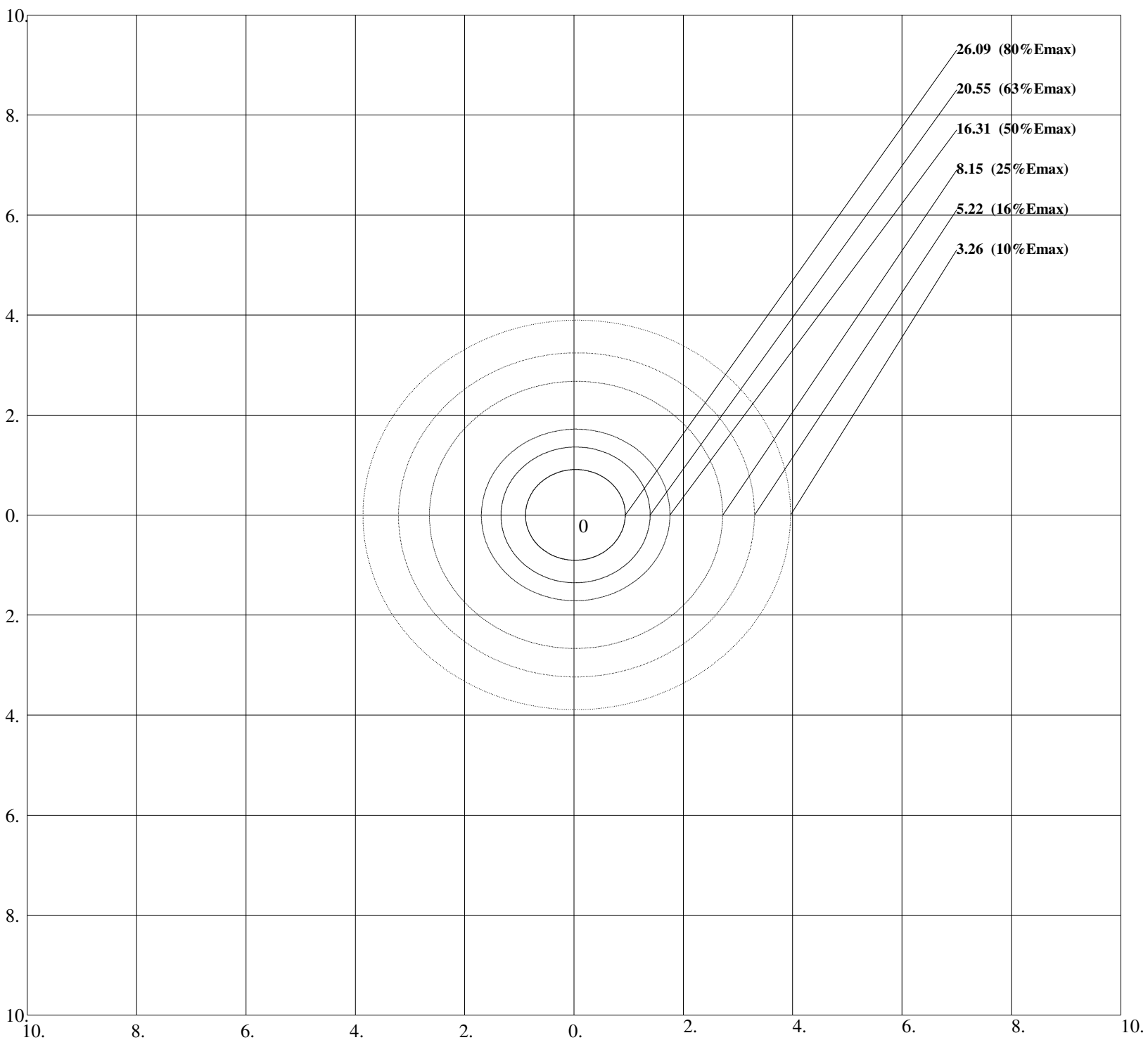
RP Lighting • Fans

ISO-Candela V-H [Unit :cd] 8709WH-90-3K



RP Lighting • Fans

Iso-Lux [Unit :lx] 8709WH-90-3K



Units: lx
Height: 3 m
Max Illuminance : 32.61lx

RP Lighting • Fans

Lux-Distance Curve

