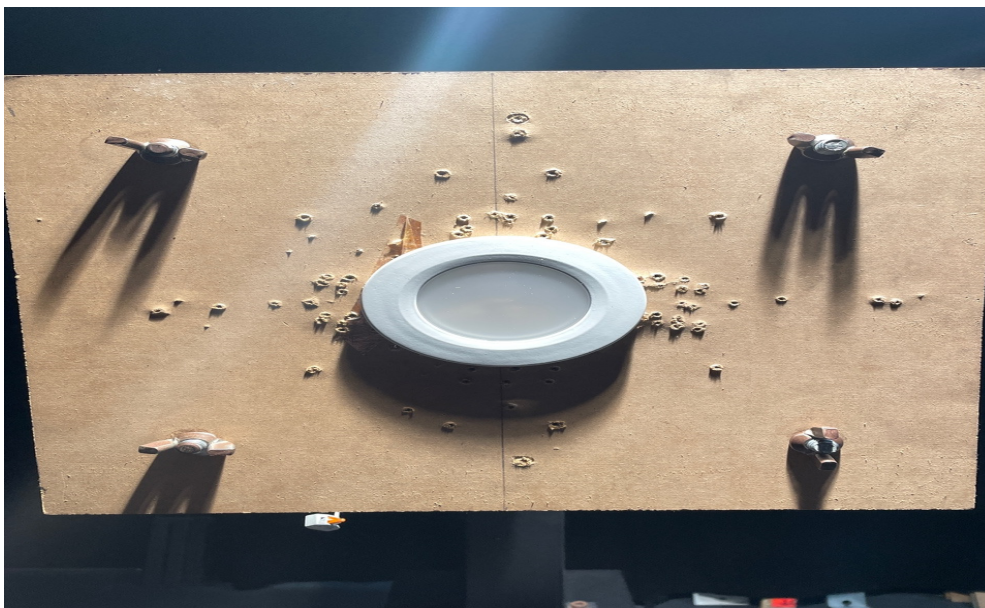


Test Report of Luminaire

Report No.:

Luminaire Type	8709WH-80-3K		
Lamp Type	LED		
Client		EUT NO.	CCT: 2961K, CRI: 82.3Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.112
Power:	12.2	Power Factor	0.905
Frequency:	60Hz	Tc	3000K
Photometric Parameters			
Luminaire Flux	943.99 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	407.113cd	Central Intensity	407.113cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-94399.2%		
50%Imax Beam Width	C0_180[48.1 ,-45.9] C90_270[45.0 ,-48.7]		
Remark			

Luminaire Figure



RP Lighting • Fans

Photometric Data Table [Unit:cd] 8709WH-80-3K

C\G	0	5	10	15	20	25	30	35	40	45
0	407.1	403.7	394.0	379.5	360.2	337.1	310.8	282.2	252.3	222.1
5	407.1	403.3	393.9	378.7	359.5	336.5	309.8	281.3	251.4	221.2
10	407.1	403.3	393.2	378.1	358.6	335.4	308.8	280.3	250.3	220.0
15	407.1	403.0	392.6	377.3	357.8	334.3	307.6	279.0	249.3	219.0
20	407.1	402.7	392.2	376.8	357.1	333.3	306.4	277.9	248.0	217.9
25	407.1	402.5	391.4	376.1	355.9	332.2	305.4	276.6	246.7	216.6
30	407.1	402.1	390.9	375.2	355.2	331.1	304.2	275.3	245.6	215.4
35	407.1	401.7	390.7	374.6	354.2	330.0	303.1	274.1	244.2	214.3
40	407.1	401.5	390.2	373.8	353.2	328.9	301.8	273.0	243.0	213.1
45	407.1	401.1	389.6	373.3	352.3	327.9	300.8	271.9	241.9	211.9
50	407.1	400.9	389.2	372.5	351.5	327.0	299.7	270.7	240.7	210.6
55	407.1	400.7	388.8	371.7	350.7	326.0	298.6	269.5	239.5	209.4
60	407.1	400.6	388.1	371.3	349.9	325.0	297.6	268.5	238.4	208.5
65	407.1	400.1	387.8	370.5	349.1	324.2	296.5	267.5	237.4	207.4
70	407.1	400.1	387.3	370.0	348.5	323.3	295.7	266.4	236.6	206.5
75	407.1	399.7	387.1	369.5	347.7	322.6	294.9	265.5	235.6	205.6
80	407.1	399.8	386.5	369.0	347.1	321.9	294.0	264.7	234.7	204.8
85	407.1	399.5	386.6	368.6	346.6	321.4	293.4	264.2	233.9	204.2
90	407.1	399.3	386.4	368.1	346.1	320.8	292.8	263.5	233.4	203.5
95	407.1	399.3	385.9	368.1	345.8	320.4	292.4	262.9	232.8	203.0
100	407.1	399.0	385.8	367.9	345.4	320.0	291.8	262.5	232.3	202.6
105	407.1	399.1	385.8	367.6	345.2	319.5	291.6	262.2	232.1	202.2
110	407.1	399.2	385.7	367.4	345.0	319.5	291.3	262.0	231.9	202.1
115	407.1	399.1	385.7	367.5	344.9	319.4	291.2	261.8	231.8	201.9
120	407.1	399.1	385.8	367.5	345.0	319.4	291.3	261.8	231.7	202.0
125	407.1	399.1	385.7	367.6	345.3	319.6	291.4	261.9	231.8	202.0
130	407.1	399.4	386.1	367.7	345.5	319.8	291.5	262.1	232.1	202.2
135	407.1	399.2	385.8	367.9	345.7	320.0	291.9	262.4	232.4	202.4
140	407.1	399.4	386.3	368.2	345.9	320.3	292.3	262.8	232.8	202.9
145	407.1	399.4	386.2	368.4	346.4	320.7	292.7	263.4	233.4	203.4
150	407.1	399.6	386.7	368.7	346.7	321.5	293.3	263.9	233.8	204.0
155	407.1	399.6	386.9	369.2	347.4	322.0	293.8	264.5	234.7	204.6
160	407.1	399.8	387.2	369.5	348.0	322.5	294.7	265.3	235.3	205.3
165	407.1	400.1	387.6	370.1	348.5	323.3	295.5	266.2	236.0	206.0
170	407.1	400.2	388.0	370.6	349.3	324.1	296.4	267.0	236.9	206.9
175	407.1	400.6	388.4	371.2	349.9	325.0	297.2	268.0	237.9	207.8
180	407.1	400.7	388.7	371.7	350.8	326.0	298.2	268.8	238.8	208.7
185	407.1	400.9	389.2	372.3	351.5	326.9	299.3	270.0	239.7	209.6
190	407.1	401.0	389.7	373.0	352.2	327.6	300.3	271.0	240.7	210.7
195	407.1	401.5	390.2	373.6	353.0	328.7	301.2	272.2	242.1	211.8
200	407.1	401.6	390.6	374.5	353.9	329.7	302.4	273.4	243.2	212.8
205	407.1	401.8	391.2	375.2	355.0	330.7	303.5	274.3	244.2	213.9
210	407.1	402.1	391.7	375.9	355.7	331.6	304.7	275.4	245.4	215.0
215	407.1	402.4	392.2	376.6	356.5	332.7	305.7	276.7	246.5	216.1
220	407.1	402.3	392.7	377.3	357.4	333.6	306.8	277.8	247.7	217.3
225	407.1	402.8	393.0	377.9	358.4	334.6	307.8	278.9	248.8	218.4
230	407.1	402.9	393.4	378.6	359.1	335.5	309.0	280.0	249.9	219.3
235	407.1	403.1	393.9	379.2	360.0	336.7	309.9	281.2	250.9	220.4

RP Lighting • Fans

Photometric Data Table

[Unit:cd] 8709WH-80-3K

240	407.1	403.6	394.3	379.9	360.8	337.5	310.9	282.1	252.0	221.4
245	407.1	403.8	394.9	380.5	361.4	338.3	312.0	283.1	253.1	222.3
250	407.1	403.8	395.2	381.1	362.2	339.1	312.8	284.1	254.0	223.4
255	407.1	404.2	395.7	381.8	362.5	340.0	313.7	285.0	255.1	224.2
260	407.1	404.2	396.0	382.1	363.3	340.7	314.4	285.9	255.8	225.0
265	407.1	404.3	396.2	382.4	363.9	341.3	315.1	286.7	256.6	225.8
270	407.1	404.4	396.2	382.7	364.5	341.8	315.7	287.2	257.3	226.6
275	407.1	404.3	396.7	383.1	364.7	342.1	316.3	287.9	257.9	227.1
280	407.1	404.5	396.6	383.4	365.1	342.7	316.7	288.4	258.4	227.6
285	407.1	404.7	396.7	383.5	365.4	342.8	317.0	288.8	258.7	228.1
290	407.1	404.5	396.8	383.5	365.6	343.1	317.4	288.9	259.2	228.4
295	407.1	404.3	396.8	383.6	365.6	343.3	317.4	289.2	259.3	228.6
300	407.1	404.4	396.7	383.7	365.4	343.4	317.5	289.3	259.3	228.7
305	407.1	404.3	396.8	383.4	365.7	343.2	317.4	289.1	259.4	228.7
310	407.1	404.3	396.6	383.4	365.4	343.2	317.3	289.0	259.1	228.6
315	407.1	404.4	396.4	383.2	365.2	342.8	317.0	288.8	258.9	228.3
320	407.1	404.1	396.0	382.9	364.9	342.5	316.6	288.4	258.6	228.0
325	407.1	403.8	395.9	382.6	364.4	342.0	316.3	288.0	258.2	227.5
330	407.1	403.6	395.5	382.1	363.9	341.6	315.6	287.5	257.6	227.1
335	407.1	403.7	395.3	381.9	363.6	341.1	315.1	286.7	257.0	226.4
340	407.1	403.4	395.0	381.4	363.0	340.4	314.2	286.0	256.2	225.8
345	407.1	403.3	394.5	381.0	362.3	339.5	313.7	285.3	255.5	225.0
350	407.1	403.0	394.0	380.3	361.5	338.9	312.8	284.3	254.5	224.1
355	407.1	402.7	393.6	379.9	360.8	338.1	311.9	283.4	253.7	223.2
360	407.1	403.7	394.0	379.5	360.2	337.1	310.8	282.2	252.3	222.1

C\G	50	55	60	65	70	75	80	85	90
0	192.0	162.6	134.0	106.5	80.0	55.1	32.3	13.8	1.9
5	191.1	161.8	133.3	105.9	79.6	54.7	32.0	13.7	2.0
10	190.2	160.9	132.4	105.1	79.0	54.3	31.8	13.6	2.0
15	189.0	159.8	131.5	104.4	78.4	53.8	31.4	13.4	2.1
20	188.0	158.8	130.6	103.6	77.8	53.3	31.1	13.2	2.2
25	186.8	157.7	129.7	102.8	77.1	52.8	30.8	13.0	2.3
30	185.7	156.7	128.8	102.1	76.5	52.3	30.4	12.8	2.3
35	184.6	155.6	127.8	101.3	75.8	51.8	30.0	12.6	2.1
40	183.4	154.6	126.9	100.5	75.2	51.3	29.7	12.3	2.1
45	182.4	153.6	126.0	99.7	74.5	50.8	29.3	11.9	1.9
50	181.2	152.5	125.1	98.9	73.9	50.3	29.0	11.6	1.4
55	180.1	151.6	124.2	98.2	73.2	49.8	28.6	11.4	1.6
60	179.1	150.6	123.4	97.5	72.6	49.3	28.3	11.4	2.0
65	178.1	149.7	122.6	96.7	72.0	48.8	28.0	11.1	1.9
70	177.2	148.8	121.9	96.0	71.5	48.5	27.7	10.9	1.7
75	176.4	148.2	121.2	95.4	71.0	48.1	27.4	10.7	1.6
80	175.6	147.5	120.5	94.8	70.5	47.6	27.1	10.4	1.4
85	174.9	146.9	119.9	94.3	70.0	47.3	26.8	10.2	1.2
90	174.3	146.2	119.4	93.9	69.7	46.9	26.6	10.0	1.0
95	173.8	145.8	119.1	93.5	69.3	46.7	26.3	9.9	0.9
100	173.4	145.4	118.7	93.2	69.0	46.4	26.1	9.7	0.8

RP Lighting • Fans

Photometric Data Table

[Unit:cd] 8709WH-80-3K

105	173.1	145.1	118.4	92.9	68.7	46.2	25.9	9.6	0.8
110	172.9	145.0	118.2	92.7	68.6	45.9	25.7	9.4	0.8
115	172.8	144.8	118.1	92.6	68.4	45.8	25.5	9.3	0.8
120	172.9	144.8	118.0	92.5	68.3	45.7	25.4	9.2	0.8
125	172.9	144.8	118.1	92.5	68.3	45.6	25.3	9.1	0.8
130	173.1	144.9	118.2	92.5	68.3	45.5	25.2	9.0	0.8
135	173.3	145.1	118.3	92.7	68.3	45.5	25.1	9.0	0.8
140	173.7	145.5	118.6	92.8	68.4	45.5	25.1	8.9	0.9
145	174.2	145.9	118.9	93.1	68.5	45.5	25.1	8.9	1.0
150	174.7	146.3	119.3	93.4	68.7	45.6	25.1	9.0	1.1
155	175.2	146.8	119.6	93.6	68.9	45.8	25.2	9.0	1.3
160	175.9	147.4	120.1	94.0	69.2	45.9	25.2	9.1	1.4
165	176.6	148.1	120.7	94.4	69.5	46.1	25.3	9.2	1.5
170	177.5	148.8	121.2	94.9	69.8	46.3	25.5	9.2	1.6
175	178.3	149.6	121.9	95.4	70.2	46.6	25.6	9.3	1.7
180	179.1	150.3	122.6	96.0	70.6	46.9	25.7	9.4	1.9
185	180.1	151.1	123.3	96.5	71.1	47.2	26.0	9.5	1.9
190	181.0	152.0	124.0	97.1	71.6	47.6	26.1	9.6	2.0
195	182.0	152.8	124.7	97.8	72.1	47.9	26.4	9.6	2.1
200	183.1	153.8	125.5	98.4	72.6	48.3	26.6	9.8	2.3
205	184.0	154.6	126.3	99.1	73.1	48.7	26.9	9.9	2.4
210	185.0	155.5	127.2	99.8	73.7	49.0	27.2	10.0	2.4
215	186.0	156.4	128.0	100.4	74.2	49.5	27.4	10.1	2.0
220	187.0	157.4	128.8	101.2	74.8	50.0	27.7	10.2	1.9
225	188.0	158.3	129.6	102.0	75.4	50.4	28.0	10.2	1.8
230	189.0	159.2	130.4	102.6	75.9	50.9	28.4	10.3	1.6
235	190.1	160.2	131.3	103.3	76.5	51.4	28.7	10.6	1.5
240	191.1	161.1	132.0	104.0	77.1	51.9	29.1	10.9	1.7
245	191.9	161.9	132.8	104.6	77.7	52.3	29.5	11.1	1.6
250	192.8	162.7	133.7	105.3	78.3	52.8	29.8	11.2	1.5
255	193.7	163.6	134.4	106.0	78.9	53.3	30.2	11.4	1.5
260	194.4	164.3	135.1	106.6	79.4	53.8	30.5	11.6	1.4
265	195.2	165.0	135.7	107.3	80.0	54.3	30.9	11.8	1.2
270	195.8	165.7	136.3	107.9	80.6	54.7	31.2	12.0	1.1
275	196.5	166.3	136.9	108.3	81.1	55.1	31.6	12.3	1.0
280	197.0	166.8	137.4	108.8	81.4	55.5	31.9	12.5	0.9
285	197.4	167.3	137.8	109.3	81.9	55.9	32.2	12.8	0.9
290	197.7	167.6	138.0	109.6	82.2	56.2	32.5	13.0	0.9
295	198.0	167.7	138.4	109.9	82.5	56.5	32.8	13.2	1.0
300	198.1	167.9	138.5	110.1	82.7	56.7	33.0	13.4	0.9
305	198.1	167.9	138.6	110.2	82.8	56.9	33.1	13.5	0.8
310	198.0	167.9	138.6	110.2	82.9	57.0	33.3	13.7	0.9
315	197.8	167.7	138.5	110.1	82.9	57.1	33.4	13.8	1.0
320	197.5	167.5	138.3	110.0	82.8	57.1	33.4	13.8	1.1
325	197.1	167.1	138.0	109.9	82.8	57.0	33.4	14.0	1.3
330	196.6	166.7	137.7	109.5	82.5	56.9	33.4	14.0	1.4
335	196.0	166.2	137.2	109.2	82.3	56.7	33.3	14.0	1.5
340	195.5	165.7	136.8	108.7	81.9	56.5	33.2	14.0	1.6
345	194.7	165.1	136.3	108.3	81.6	56.2	33.0	13.9	1.7

RP Lighting • Fans

Photometric Data Table

[Unit:cd] 8709WH-80-3K

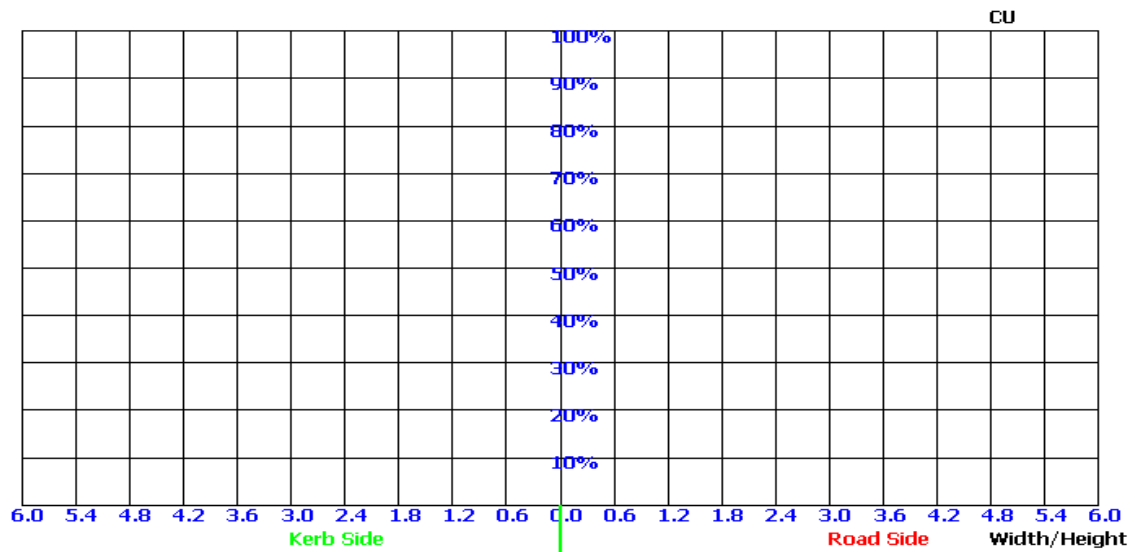
350	193.9	164.3	135.6	107.7	81.1	55.9	32.8	13.9	1.8
355	193.1	163.5	134.9	107.1	80.7	55.6	32.6	13.9	1.9
360	192.0	162.6	134.0	106.5	80.0	55.1	32.3	13.8	1.9

Zonal Flux**8709WH-80-3K**

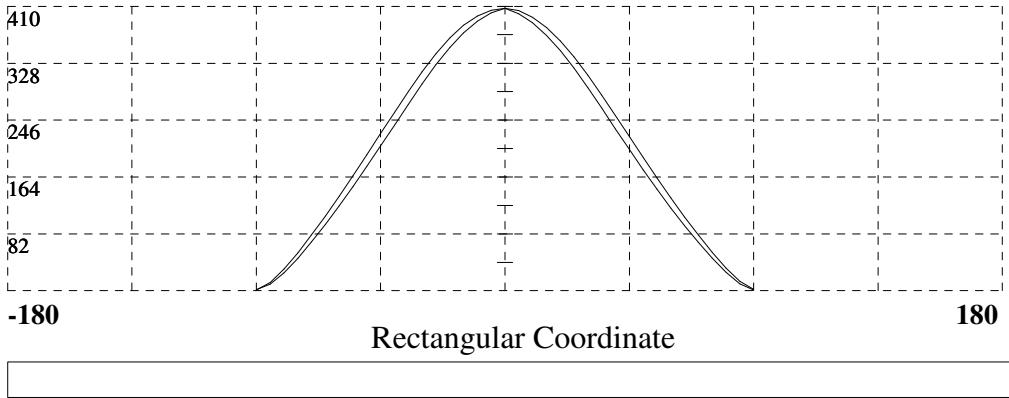
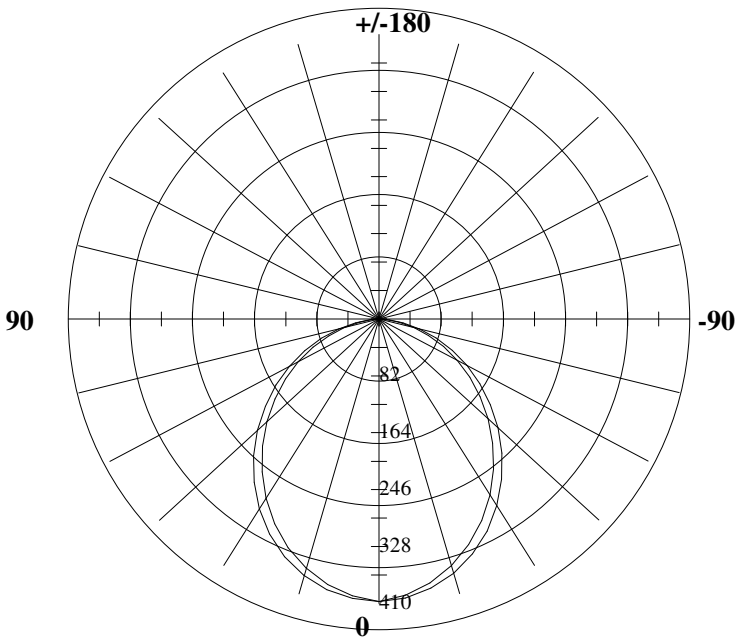
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	407.11	0.00	0.00	0.00	0.00
5	401.87	9.67	9.67	-967.12	-967.12
10	391.27	28.37	38.04	-2837.33	-3804.45
15	375.54	45.49	83.53	-4548.67	-8353.12
20	355.36	60.24	143.77	-6023.60	-14376.72
25	331.38	72.03	215.79	-7202.61	-21579.33
30	304.39	80.46	296.25	-8045.77	-29625.11
35	275.49	85.39	381.64	-8539.10	-38164.21
40	245.49	86.92	468.56	-8692.08	-46856.30
45	215.24	85.31	553.87	-8530.84	-55387.14
50	185.37	80.95	634.82	-8095.00	-63482.17
55	156.21	74.27	709.09	-7427.08	-70909.27
60	128.10	65.72	774.81	-6571.78	-77481.06
65	101.07	55.71	830.52	-5571.27	-83052.36
70	75.26	44.65	875.17	-4464.88	-87517.25
75	50.93	32.99	908.16	-3298.50	-90815.75
80	28.98	21.38	929.54	-2138.33	-92954.08
85	11.31	10.95	940.49	-1094.88	-94048.96
90	1.48	3.50	943.99	-350.27	-94399.24

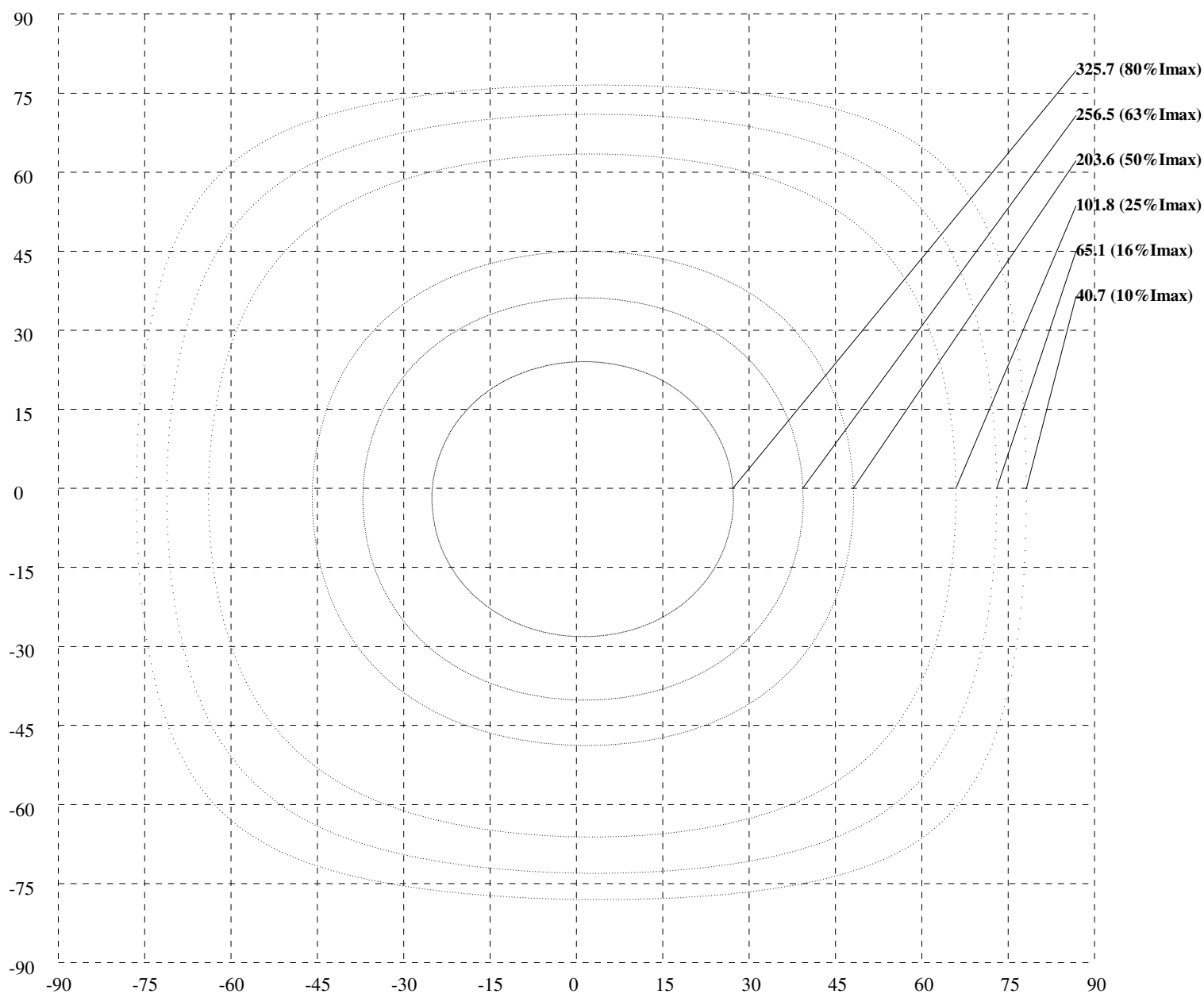
RP Lighting • Fans

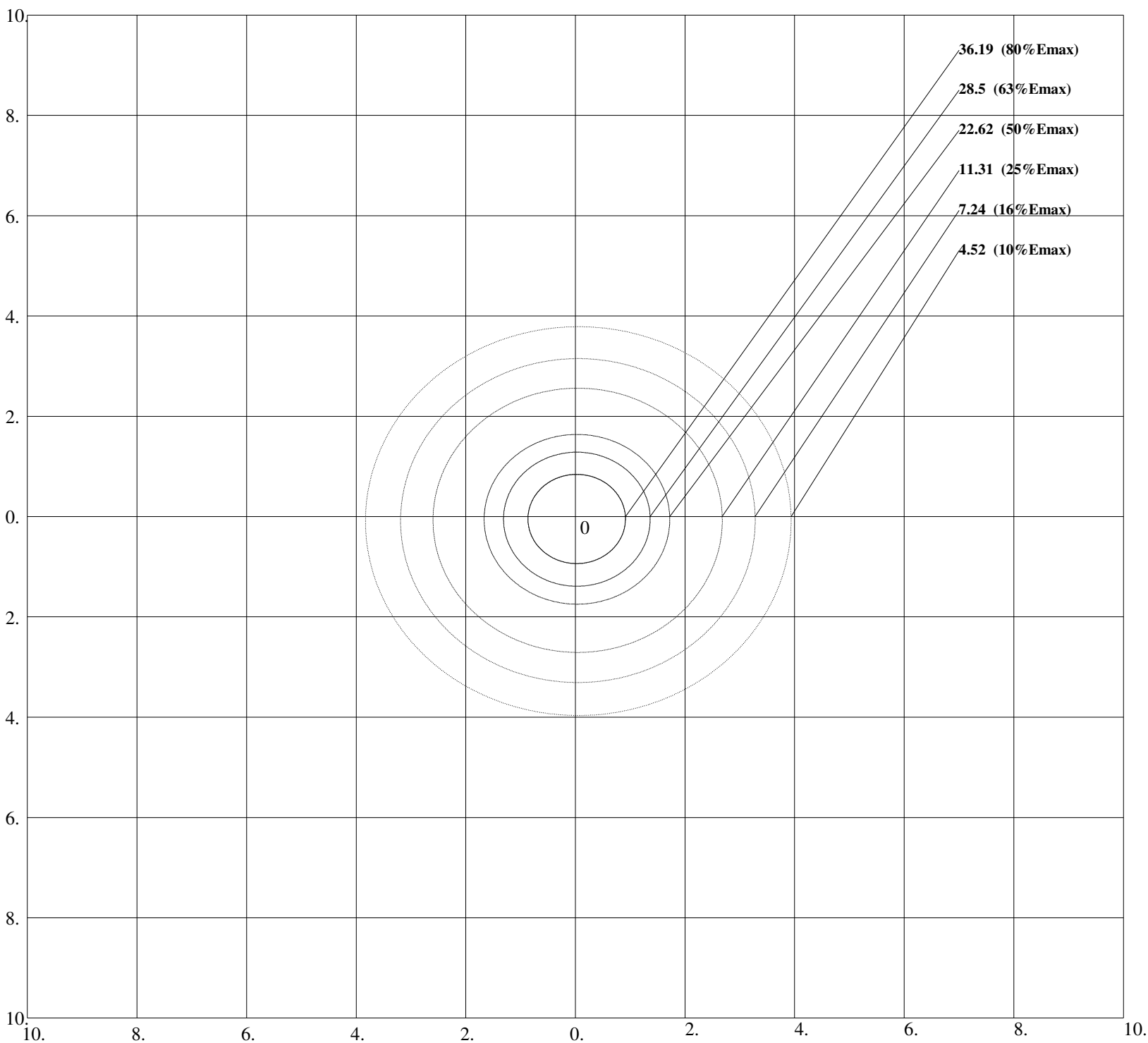
Coefficient Utilization Curve 8709WH-80-3K



Light Distribution Curve[Unit: cd]







Units: lx
Height: 3 m
Max Illuminance : 45.23lx

RP Lighting • Fans

Lux-Distance Curve

