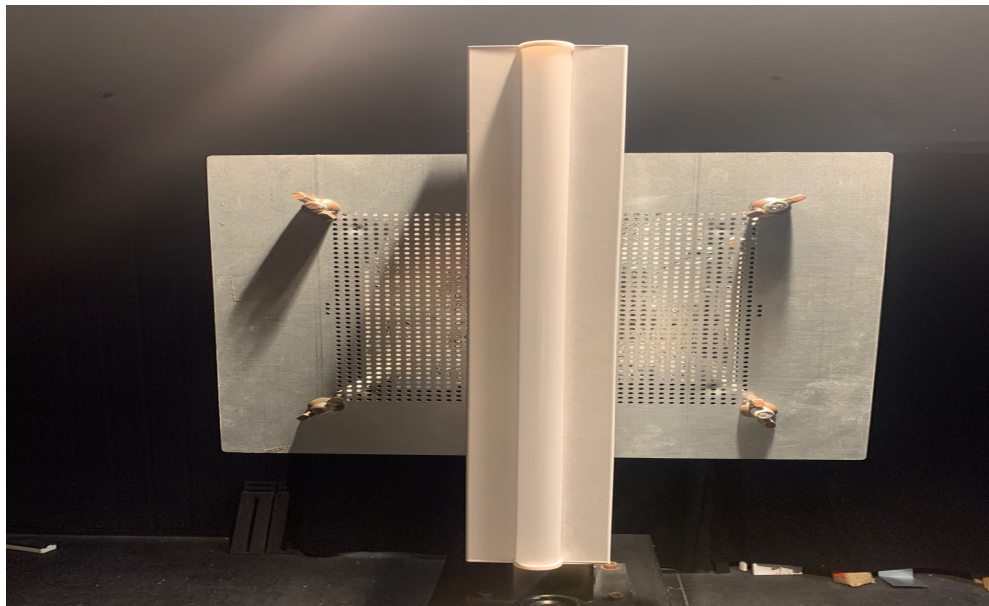


## Test Report of Luminaire

**Report No.:**

Luminaire Type	4311-1		
Lamp Type	LED		
Client		EUT NO.	CCT: 3976K, CRI: 82.7Ra
<b>Luminaire Parameters:</b>			
Voltage	120.0	Current	0.089
Power:	10.5	Power Factor	0.988
Frequency:	60Hz	Tc	4000K
<b>Photometric Parameters</b>			
Luminaire Flux	1054.99 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	310.199cd	Central Intensity	310.199cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.01%		
Downward Flux Ratio	-105499.2%		
50%Imax Beam Width	C0_180[ 70.6 ,-74.1] C90_270[ 53.7 ,-53.8]		
Remark			

### Luminaire Figure



## Photometric Data Table [Unit:cd] 4311-1

C\G	0	5	10	15	20	25	30	35	40	45
0	310.2	307.6	302.9	296.4	288.1	278.2	267.1	254.7	241.4	227.3
5	310.2	307.7	303.0	296.4	288.1	278.3	267.0	254.7	241.3	227.2
10	310.2	307.6	302.9	296.4	288.1	278.1	266.8	254.3	240.8	226.5
15	310.2	307.7	303.0	296.3	287.9	277.8	266.3	253.7	240.0	225.5
20	310.2	307.7	303.0	296.2	287.6	277.4	265.7	252.7	238.8	224.0
25	310.2	307.7	302.9	296.0	287.3	276.8	264.8	251.5	237.2	222.1
30	310.2	307.7	302.9	295.8	286.9	276.1	263.8	250.1	235.4	219.8
35	310.2	307.7	302.8	295.7	286.5	275.3	262.6	248.5	233.2	217.2
40	310.2	307.8	302.8	295.4	285.9	274.5	261.4	246.8	231.0	214.4
45	310.2	307.8	302.7	295.2	285.5	273.7	260.2	245.0	228.6	211.4
50	310.2	307.8	302.7	295.0	285.1	272.9	258.8	243.2	226.2	208.5
55	310.2	307.8	302.7	294.9	284.6	272.1	257.7	241.5	224.0	205.5
60	310.2	307.9	302.6	294.7	284.2	271.4	256.6	239.9	221.9	202.8
65	310.2	307.9	302.6	294.5	283.9	270.8	255.7	238.7	220.1	200.3
70	310.2	307.9	302.6	294.5	283.7	270.5	255.0	237.6	218.5	198.3
75	310.2	307.9	302.7	294.4	283.6	270.1	254.5	236.8	217.4	196.6
80	310.2	308.0	302.7	294.5	283.5	270.0	254.2	236.3	216.7	195.6
85	310.2	308.0	302.8	294.6	283.6	270.0	254.1	236.2	216.4	195.1
90	310.2	308.1	302.9	294.7	283.8	270.2	254.3	236.4	216.5	195.2
95	310.2	308.2	303.0	294.9	284.0	270.6	254.7	236.9	217.1	195.8
100	310.2	308.2	303.2	295.1	284.5	271.1	255.4	237.6	218.0	196.9
105	310.2	308.3	303.4	295.5	284.9	271.7	256.2	238.7	219.4	198.6
110	310.2	308.4	303.6	295.9	285.5	272.5	257.2	240.0	221.1	200.7
115	310.2	308.5	303.8	296.3	286.2	273.4	258.6	241.7	223.2	203.4
120	310.2	308.6	304.1	296.8	286.9	274.5	260.0	243.6	225.7	206.6
125	310.2	308.6	304.4	297.3	287.7	275.6	261.6	245.7	228.4	210.0
130	310.2	308.8	304.7	297.8	288.5	276.9	263.4	248.0	231.2	213.5
135	310.2	308.8	304.9	298.4	289.4	278.1	265.2	250.3	234.2	217.2
140	310.2	309.0	305.2	298.8	290.2	279.5	266.9	252.7	237.1	220.7
145	310.2	309.1	305.4	299.4	291.1	280.7	268.7	255.0	240.0	224.2
150	310.2	309.2	305.7	299.8	291.9	281.9	270.4	257.2	242.7	227.4
155	310.2	309.3	305.9	300.3	292.6	283.1	271.9	259.2	245.2	230.4
160	310.2	309.3	306.1	300.7	293.3	284.1	273.3	260.9	247.5	233.0
165	310.2	309.4	306.3	301.0	293.8	285.0	274.3	262.4	249.3	235.1
170	310.2	309.5	306.5	301.3	294.3	285.6	275.3	263.5	250.6	236.7
175	310.2	309.4	306.6	301.5	294.6	286.1	275.8	264.3	251.6	237.8
180	310.2	309.5	306.7	301.6	294.8	286.3	276.2	264.7	252.0	238.4
185	310.2	309.5	306.7	301.7	294.9	286.4	276.2	264.7	252.0	238.4
190	310.2	309.5	306.7	301.6	294.8	286.2	275.9	264.4	251.5	237.7
195	310.2	309.5	306.6	301.5	294.6	285.8	275.3	263.6	250.5	236.6
200	310.2	309.4	306.5	301.2	294.1	285.1	274.5	262.5	249.1	234.8
205	310.2	309.4	306.3	301.0	293.6	284.3	273.4	260.9	247.2	232.6
210	310.2	309.3	306.1	300.6	292.9	283.4	272.0	259.2	245.0	229.9
215	310.2	309.2	305.9	300.2	292.2	282.3	270.5	257.2	242.5	226.9
220	310.2	309.2	305.7	299.7	291.4	281.1	268.9	255.0	239.7	223.6
225	310.2	309.0	305.4	299.2	290.6	279.8	267.1	252.5	236.9	220.1
230	310.2	309.0	305.1	298.7	289.7	278.5	265.3	250.2	233.9	216.5
235	310.2	308.8	304.9	298.1	288.9	277.2	263.6	247.9	231.0	212.9

## Photometric Data Table [Unit:cd] 4311-1

240	310.2	308.7	304.5	297.6	288.0	276.0	261.9	245.7	228.1	209.4
245	310.2	308.5	304.2	297.0	287.2	274.8	260.2	243.6	225.5	206.1
250	310.2	308.4	303.9	296.5	286.4	273.7	258.7	241.7	223.1	203.0
255	310.2	308.3	303.6	296.0	285.7	272.8	257.4	240.1	221.1	200.5
260	310.2	308.1	303.3	295.6	285.0	271.8	256.4	238.8	219.4	198.5
265	310.2	308.0	303.1	295.2	284.4	271.2	255.5	237.7	218.1	196.9
270	310.2	307.9	302.9	294.9	284.0	270.6	254.8	236.9	217.2	195.9
275	310.2	307.8	302.7	294.6	283.6	270.1	254.3	236.4	216.7	195.4
280	310.2	307.7	302.5	294.3	283.4	269.9	254.0	236.2	216.5	195.5
285	310.2	307.6	302.3	294.2	283.3	269.8	254.1	236.4	216.9	196.1
290	310.2	307.5	302.2	294.1	283.2	269.9	254.3	236.9	217.8	197.3
295	310.2	307.5	302.1	294.1	283.3	270.2	254.9	237.7	219.0	199.1
300	310.2	307.4	302.1	294.1	283.5	270.6	255.6	238.9	220.6	201.2
305	310.2	307.4	302.1	294.2	283.8	271.2	256.6	240.1	222.5	203.8
310	310.2	307.3	302.1	294.4	284.2	271.9	257.6	241.7	224.7	206.6
315	310.2	307.3	302.2	294.5	284.6	272.7	258.9	243.4	227.0	209.5
320	310.2	307.3	302.2	294.8	285.1	273.5	260.1	245.2	229.3	212.4
325	310.2	307.3	302.3	294.9	285.6	274.3	261.4	247.0	231.6	215.3
330	310.2	307.3	302.3	295.2	286.1	275.1	262.6	248.6	233.8	218.0
335	310.2	307.3	302.4	295.4	286.5	275.9	263.7	250.2	235.8	220.5
340	310.2	307.3	302.5	295.6	287.0	276.6	264.8	251.6	237.6	222.7
345	310.2	307.3	302.6	295.8	287.3	277.2	265.6	252.8	239.1	224.5
350	310.2	307.3	302.7	296.0	287.7	277.7	266.3	253.7	240.2	225.8
355	310.2	307.4	302.7	296.2	287.9	278.0	266.8	254.4	240.9	226.8
360	310.2	307.6	302.9	296.4	288.1	278.2	267.1	254.7	241.4	227.3

C\G	50	55	60	65	70	75	80	85	90
0	212.8	198.4	184.2	170.6	156.9	142.2	125.9	108.8	92.9
5	212.7	198.2	184.0	170.4	156.7	142.0	125.7	108.6	92.7
10	212.0	197.4	183.1	169.4	155.7	141.0	124.7	107.7	91.8
15	210.7	196.0	181.4	167.7	154.0	139.3	123.0	106.0	90.1
20	208.9	193.9	179.1	165.2	151.4	136.7	120.5	103.5	87.5
25	206.6	191.3	176.1	161.9	148.1	133.4	117.3	100.3	84.3
30	203.9	188.1	172.4	157.9	144.0	129.3	113.2	96.2	80.2
35	200.8	184.2	168.3	153.3	138.8	124.4	108.5	91.4	75.5
40	197.4	180.1	163.7	148.1	133.3	118.9	103.1	85.6	70.0
45	193.8	175.8	158.7	142.4	127.1	112.6	97.0	79.4	63.9
50	190.1	171.4	153.4	136.4	120.4	105.6	90.3	72.7	57.2
55	186.5	167.0	148.1	130.0	113.2	98.1	82.9	65.5	50.0
60	183.0	162.6	142.8	123.7	105.7	89.8	74.7	57.6	42.3
65	179.8	158.7	137.7	117.5	98.2	81.2	65.9	49.5	34.3
70	177.0	155.0	133.1	111.6	90.9	72.5	56.3	40.9	26.1
75	174.8	152.1	129.2	106.4	84.2	64.1	46.6	31.9	18.0
80	173.3	150.0	126.2	102.3	78.6	56.6	37.3	22.4	10.5
85	172.5	148.9	124.5	99.7	74.9	51.2	30.0	13.6	4.5
90	172.5	148.7	124.0	98.9	73.6	49.0	26.5	8.9	1.4
95	173.2	149.5	124.9	99.9	74.8	50.5	28.4	11.5	2.9
100	174.6	151.2	127.1	102.8	78.6	55.5	35.4	19.6	8.4

## Photometric Data Table [Unit:cd] 4311-1

105	176.7	153.8	130.4	107.2	84.3	62.9	44.7	29.9	16.2
110	179.5	157.3	134.8	112.8	91.3	71.6	55.0	40.1	24.8
115	182.9	161.4	139.8	119.1	99.1	80.8	65.4	49.8	33.7
120	186.7	166.0	145.8	125.9	107.0	90.1	75.2	59.0	42.6
125	190.7	170.9	151.6	132.8	115.1	99.6	84.4	67.7	51.7
130	195.0	175.9	157.6	139.7	122.9	108.0	92.9	75.8	59.8
135	199.3	181.0	163.4	146.3	130.3	115.9	100.7	83.4	67.4
140	203.5	186.0	169.1	152.6	137.3	123.0	107.7	90.5	74.3
145	207.6	190.7	174.3	158.6	143.6	129.4	114.1	96.8	80.6
150	211.3	195.1	179.2	163.9	149.3	135.2	119.7	102.5	86.2
155	214.8	198.9	183.5	168.6	154.2	140.2	124.6	107.4	91.1
160	217.8	202.3	187.3	172.6	158.5	144.4	128.7	111.6	95.2
165	220.3	205.2	190.3	175.8	162.0	147.7	132.0	115.1	98.5
170	222.1	207.3	192.6	178.3	164.5	150.2	134.6	117.6	100.9
175	223.4	208.7	194.0	179.8	166.1	151.9	136.2	119.2	102.5
180	224.0	209.4	194.7	180.6	166.9	152.6	137.0	120.0	103.3
185	223.9	209.2	194.6	180.5	166.7	152.5	136.9	119.9	103.2
190	223.2	208.4	193.7	179.5	165.7	151.5	136.0	118.9	102.3
195	221.8	206.8	192.0	177.6	163.7	149.6	134.1	117.1	100.4
200	219.9	204.5	189.4	174.9	160.9	146.7	131.4	114.3	97.7
205	217.3	201.6	186.2	171.3	157.1	143.0	127.8	110.7	94.1
210	214.2	198.0	182.3	167.1	152.5	138.5	123.3	106.2	89.7
215	210.7	194.0	177.6	162.1	147.2	133.1	118.1	101.1	84.4
220	206.7	189.5	172.6	156.4	141.2	126.9	112.0	95.0	78.4
225	202.3	184.7	167.1	149.9	134.5	120.0	105.2	88.4	71.7
230	198.1	179.6	161.4	143.4	127.2	112.4	97.2	80.9	64.4
235	193.7	174.5	155.4	136.6	119.5	104.1	88.8	72.9	56.4
240	189.5	169.5	149.5	129.6	111.5	95.2	79.6	64.3	47.8
245	185.6	164.7	143.7	122.8	103.4	85.9	69.7	55.0	38.9
250	181.9	160.3	138.0	116.2	95.5	75.9	59.3	45.1	29.7
255	178.8	156.4	133.2	110.2	88.1	67.0	48.8	34.7	20.1
260	176.3	153.3	129.3	105.2	81.7	58.9	39.0	24.0	11.7
265	174.5	151.0	126.6	101.7	77.0	52.8	31.2	14.6	4.8
270	173.3	149.6	125.0	99.8	74.6	49.9	27.3	9.5	1.3
275	172.8	149.2	124.7	99.8	74.8	50.7	28.7	11.5	3.0
280	173.1	149.7	125.8	101.5	77.4	54.9	34.6	19.1	8.1
285	174.1	151.3	128.1	104.8	82.2	61.5	43.2	28.5	15.1
290	175.9	153.7	131.5	109.5	88.3	69.4	52.7	37.4	22.8
295	178.2	157.1	135.8	114.9	95.7	78.0	62.2	46.3	30.8
300	181.1	160.9	140.5	120.9	103.0	86.5	71.0	54.3	38.7
305	184.4	165.0	145.6	127.1	110.4	94.7	79.2	62.1	46.4
310	187.9	169.3	150.8	133.4	117.6	102.4	86.7	69.4	53.7
315	191.5	173.7	156.0	139.4	124.4	109.4	93.6	76.2	60.4
320	195.1	177.9	161.1	145.2	130.7	115.9	99.8	82.5	66.8
325	198.6	182.1	165.9	150.6	136.5	121.7	105.4	88.3	72.4
330	201.9	185.9	170.3	155.4	141.5	126.8	110.5	93.4	77.5
335	204.9	189.3	174.1	159.8	145.9	131.2	114.8	97.8	81.9
340	207.4	192.3	177.5	163.4	149.6	134.9	118.5	101.6	85.6
345	209.5	194.7	180.2	166.3	152.6	137.9	121.4	104.5	88.6

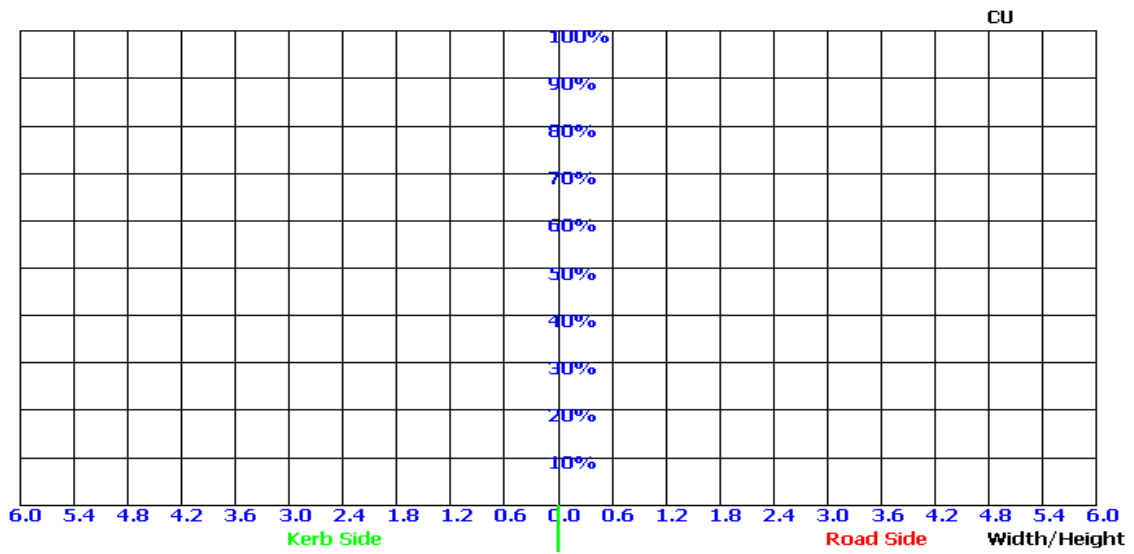
### Photometric Data Table [Unit:cd] 4311-1

<b>350</b>	211.2	196.5	182.2	168.5	154.8	140.0	123.7	106.7	90.8
<b>355</b>	212.3	197.7	183.6	170.0	156.2	141.5	125.1	108.1	92.2
<b>360</b>	212.8	198.4	184.2	170.6	156.9	142.2	125.9	108.8	92.9

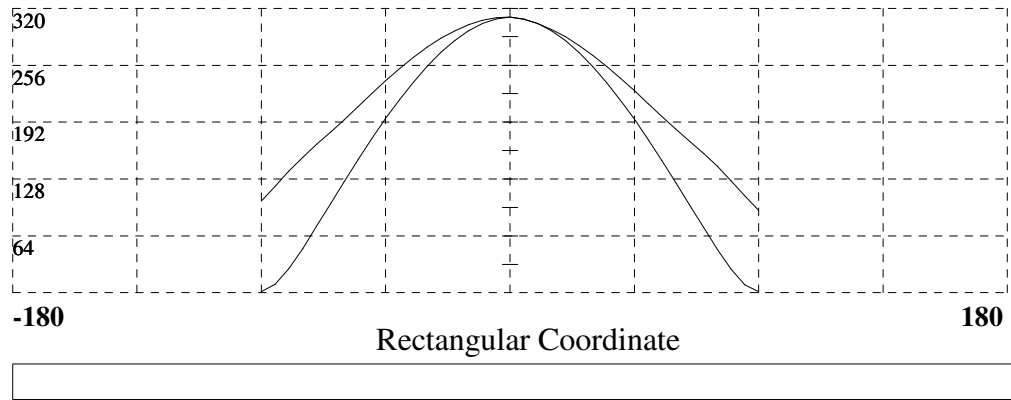
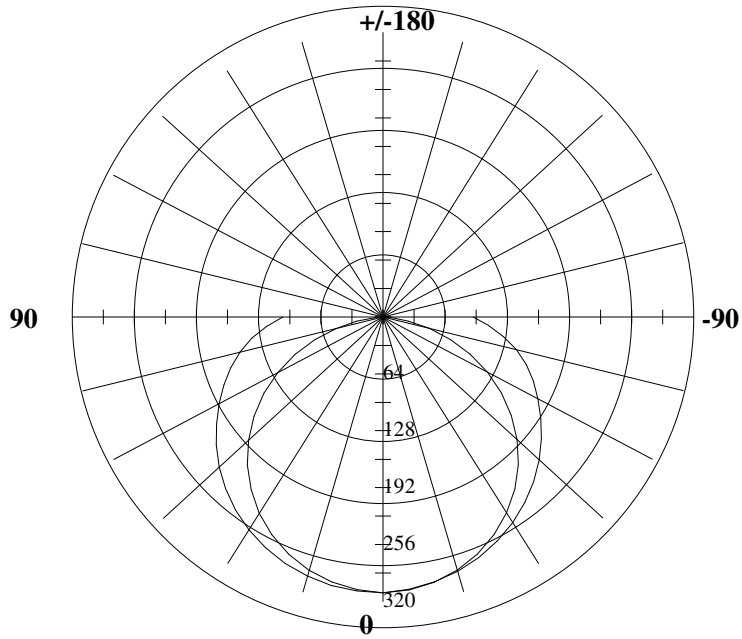
## Zonal Flux4311-1

<b>Gamma [°]</b>	<b>I<sub>mean</sub> [cd]</b>	<b>Zonal Flux [lm]</b>	<b>Sum.Flux [lm]</b>	<b>Zonal Flux [%]</b>	<b>Sum.Flux [%]</b>
0	310.20	0.00	0.00	0.00	0.00
5	308.24	7.39	7.39	-739.32	-739.32
10	303.80	21.89	29.29	-2189.45	-2928.77
15	296.85	35.63	64.92	-3563.01	-6491.79
20	287.58	48.17	113.08	-4816.57	-11308.36
25	276.21	59.13	172.21	-5913.12	-17221.47
30	262.93	68.23	240.44	-6822.83	-24044.30
35	247.99	75.24	315.68	-7523.64	-31567.95
40	231.69	80.03	395.71	-8003.03	-39570.97
45	214.31	82.58	478.29	-8258.05	-47829.02
50	196.17	82.94	561.23	-8294.28	-56123.28
55	177.64	81.28	642.51	-8127.79	-64251.06
60	159.19	77.86	720.37	-7785.83	-72036.90
65	141.20	73.02	793.39	-7302.49	-79339.41
70	123.91	67.13	860.52	-6712.65	-86052.06
75	107.21	60.41	920.93	-6041.01	-92093.07
80	90.60	52.93	973.86	-5292.77	-97385.82
85	74.01	44.73	1018.59	-4472.75	-101858.59
90	58.95	36.41	1054.99	-3640.52	-105499.13

# Coefficient Utilization Curve 4311-1

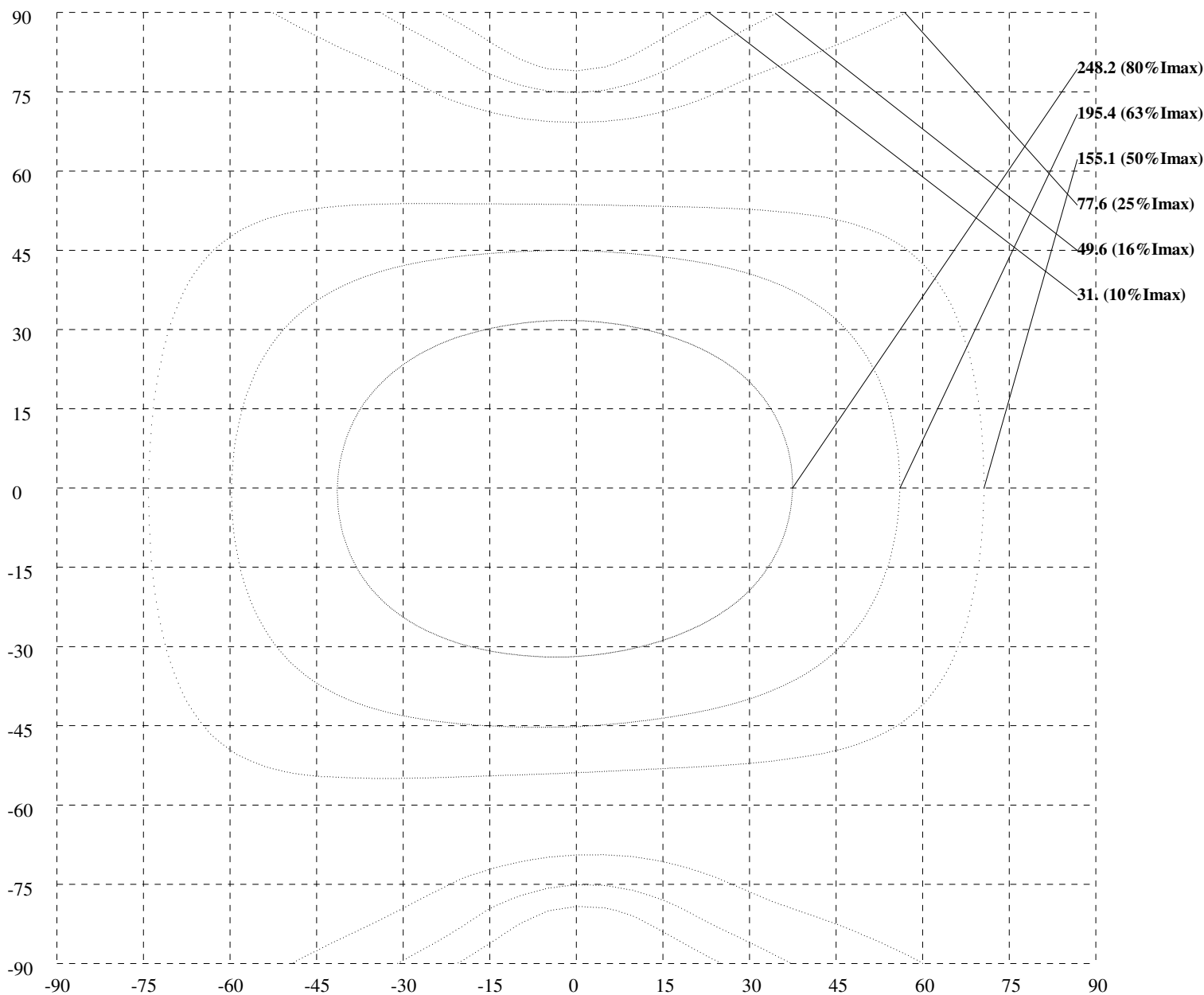


Light Distribution Curve[Unit: cd]

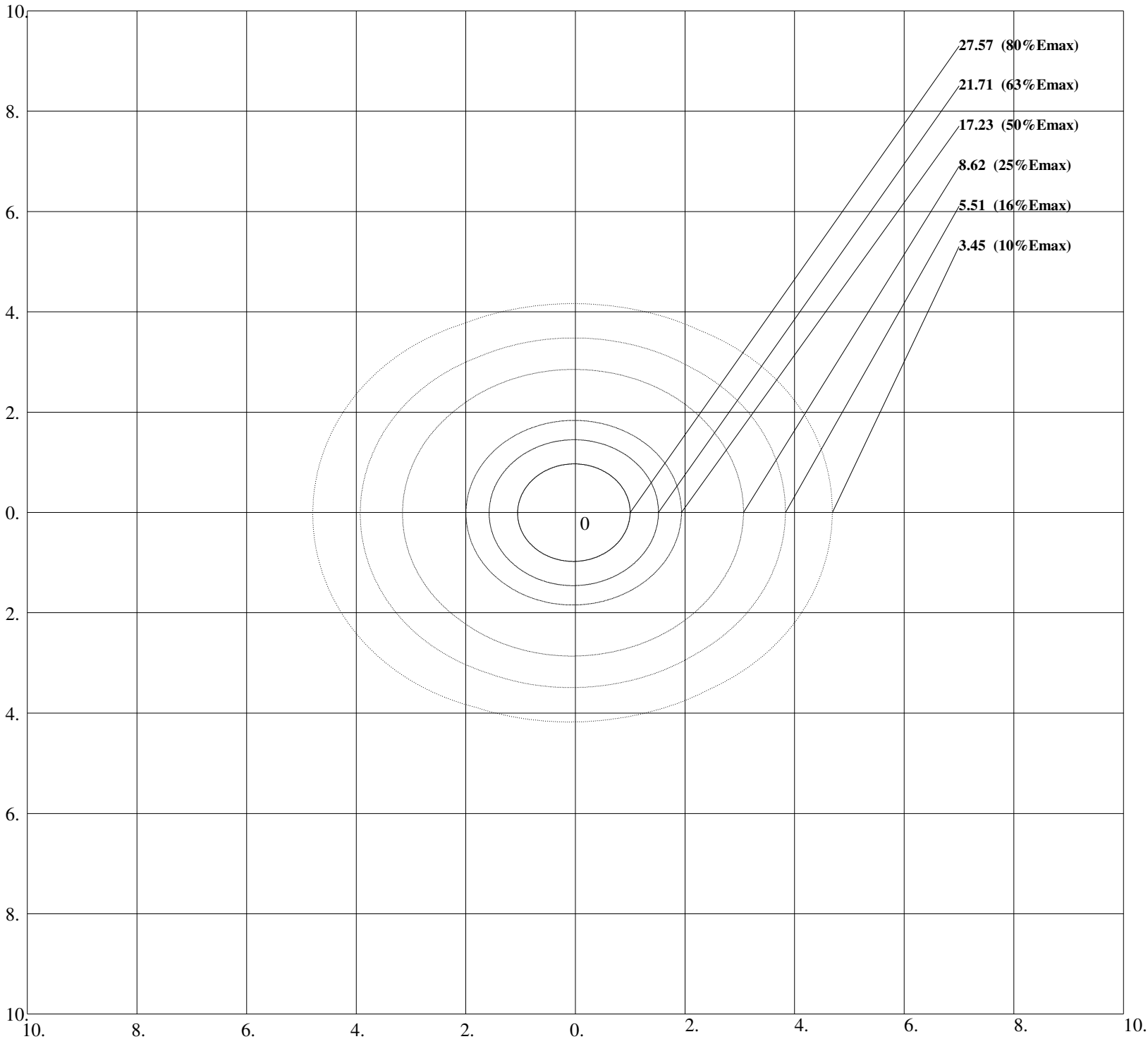




# ISO-Candela V-H [Unit :cd]4311-1



# Iso-Lux [Unit :lx]4311-1



Units: lx  
Height: 3 m  
Max Illuminance : 34.47lx

# Lux-Distance Curve

