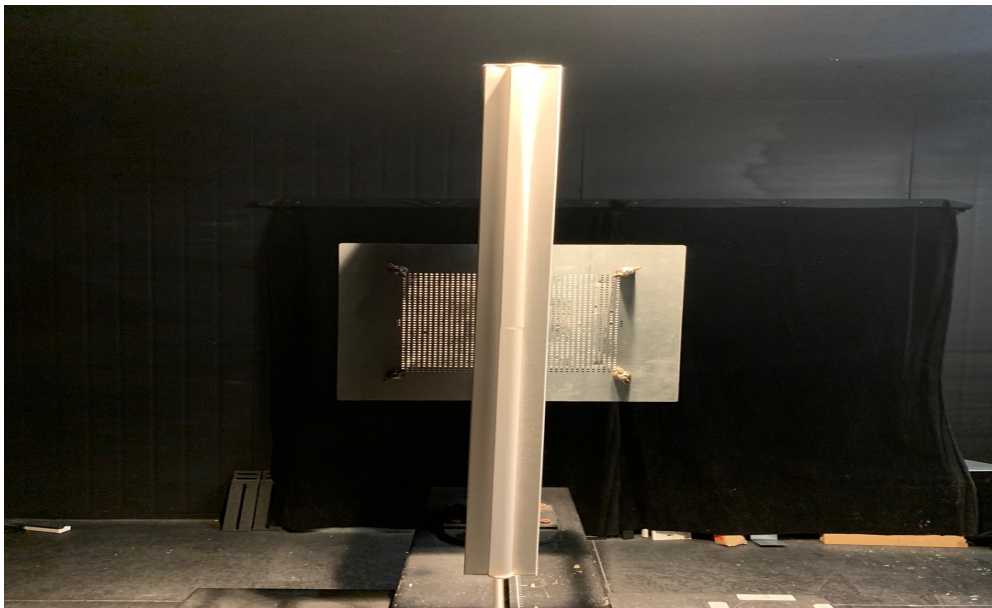


## Test Report of Luminaire

**Report No.:**

Luminaire Type	4312-1		
Lamp Type	LED		
Client		EUT NO.	CCT: 4002K, CRI: 82.3Ra
<b>Luminaire Parameters:</b>			
Voltage	120.0	Current	0.187
Power:	22.4	Power Factor	1.000
Frequency:	60Hz	Tc	4000K
<b>Photometric Parameters</b>			
Luminaire Flux	2223.19 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	648.192cd	Central Intensity	643.778cd
Angle of Max Intensity:	C:355 G:5		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-222318.9%		
50%Imax Beam Width	C0_180[ 73.2 , -72.2] C90_270[ 54.2 , -54.2]		
Remark			

**Luminaire Figure**



## Photometric Data Table [Unit:cd] 4312-1

C\G	0	5	10	15	20	25	30	35	40	45
0	643.8	642.5	641.3	628.8	617.6	597.6	574.6	549.1	521.3	492.0
5	643.8	642.6	641.4	628.9	617.8	597.7	574.8	549.1	521.5	492.0
10	643.8	642.6	641.5	630.3	617.7	597.6	574.6	548.7	520.9	491.2
15	643.8	642.6	641.4	628.2	617.5	596.9	573.7	547.5	519.2	489.4
20	643.8	642.6	641.4	628.2	616.9	596.2	572.4	545.7	517.0	486.8
25	643.8	642.5	641.3	634.1	616.2	595.0	570.8	544.1	515.0	484.4
30	643.8	642.4	640.9	629.4	615.3	593.9	569.6	542.9	512.9	480.0
35	643.8	642.4	640.6	626.5	614.2	593.0	569.1	539.0	506.4	472.9
40	643.8	642.3	640.3	632.0	613.6	592.6	564.7	533.6	500.6	466.2
45	643.8	642.0	640.0	631.5	612.6	590.5	560.7	528.9	495.2	459.6
50	643.8	641.8	639.5	624.3	612.3	586.7	556.7	524.8	489.7	452.8
55	643.8	641.7	639.0	623.8	611.3	583.8	553.5	520.6	484.3	446.0
60	643.8	641.5	638.7	626.4	609.1	581.1	550.4	516.3	479.0	439.4
65	643.8	641.1	638.0	628.9	606.7	578.8	547.5	512.5	474.2	433.1
70	643.8	641.0	637.4	628.2	605.0	576.8	544.9	509.1	469.7	427.9
75	643.8	640.7	637.0	627.7	603.8	575.1	542.6	506.1	465.8	424.3
80	643.8	640.6	636.6	624.6	602.5	573.6	540.6	503.6	462.7	419.2
85	643.8	640.5	636.1	626.8	601.9	572.6	539.0	501.6	460.5	416.2
90	643.8	640.2	635.6	619.8	601.8	572.0	537.8	500.2	458.9	414.4
95	643.8	639.9	635.2	625.3	601.9	571.5	537.1	499.4	457.9	413.6
100	643.8	639.8	635.0	624.8	600.8	570.7	536.7	499.0	457.8	413.3
105	643.8	639.5	634.7	624.1	599.9	570.2	536.7	499.4	458.5	414.6
110	643.8	639.4	634.5	621.1	599.4	570.3	537.4	500.3	460.1	417.0
115	643.8	639.3	634.5	623.2	599.7	570.9	538.3	502.2	462.7	420.6
120	643.8	639.1	634.3	621.0	600.4	571.7	539.7	504.4	465.9	425.2
125	643.8	639.0	634.4	622.8	601.8	573.0	541.7	507.3	469.8	430.4
130	643.8	639.1	634.3	619.8	602.6	574.7	544.0	510.5	474.3	436.3
135	643.8	639.0	634.4	623.5	602.7	576.7	546.5	514.0	479.1	442.5
140	643.8	638.9	634.6	620.9	603.4	579.4	549.5	517.7	483.9	448.8
145	643.8	639.0	634.8	620.5	604.1	580.3	552.9	522.0	488.9	455.0
150	643.8	639.0	635.0	622.8	605.0	581.6	555.2	526.9	494.2	461.2
155	643.8	639.2	635.3	625.8	605.9	582.9	557.4	529.5	499.3	467.7
160	643.8	639.1	635.6	626.4	606.9	584.6	559.4	531.9	502.7	472.0
165	643.8	639.3	635.9	626.7	607.9	585.9	561.3	534.5	505.8	475.6
170	643.8	639.5	636.1	627.3	608.7	587.0	563.0	536.5	508.6	478.7
175	643.8	639.5	636.3	627.7	609.3	588.0	564.2	538.2	510.3	481.1
180	643.8	639.4	636.6	627.9	609.8	588.5	564.9	538.9	511.3	482.2
185	643.8	639.5	636.6	628.1	610.0	588.8	565.1	539.1	511.4	482.4
190	643.8	639.6	636.7	622.9	609.9	588.6	564.9	538.6	510.7	481.6
195	643.8	639.7	636.8	622.2	609.8	588.3	564.1	537.6	509.3	479.4
200	643.8	639.9	636.9	624.9	609.4	587.6	562.8	535.8	506.9	476.6
205	643.8	639.8	636.8	627.8	608.8	586.4	561.1	533.4	503.7	473.0
210	643.8	639.8	636.7	626.0	608.0	585.1	559.1	531.0	500.7	469.2
215	643.8	639.8	636.5	627.0	607.1	583.6	557.2	528.6	497.2	463.1
220	643.8	639.8	636.3	626.6	606.2	582.2	555.3	524.7	491.4	456.8
225	643.8	639.7	636.2	620.8	605.2	580.6	552.5	520.5	486.2	450.6
230	643.8	639.7	636.2	622.3	604.3	579.7	549.2	516.5	481.3	444.3
235	643.8	639.5	636.2	625.3	603.5	577.5	546.5	512.8	476.6	438.2

## Photometric Data Table [Unit:cd] 4312-1

240	643.8	639.6	636.3	625.3	602.5	575.5	544.2	509.6	472.0	432.1
245	643.8	639.5	636.2	620.4	601.7	573.9	542.0	506.6	468.0	426.9
250	643.8	639.6	636.3	626.4	601.2	572.7	540.3	504.1	464.6	422.2
255	643.8	639.4	636.2	626.6	600.3	571.8	538.9	502.1	461.7	418.5
260	643.8	639.4	636.0	625.7	599.8	570.9	537.8	500.6	459.8	415.7
265	643.8	639.3	635.7	619.2	599.3	570.4	537.0	499.6	459.9	414.0
270	643.8	639.3	635.6	623.5	599.2	570.2	536.7	499.2	458.5	413.3
275	643.8	639.2	635.4	623.1	599.3	570.3	536.9	499.4	458.1	413.6
280	643.8	639.1	634.9	622.6	599.5	570.8	537.5	500.2	459.1	415.0
285	643.8	639.1	634.9	623.1	600.4	571.4	538.5	501.6	460.9	417.4
290	643.8	639.2	635.1	623.5	601.2	572.5	539.9	503.6	463.7	421.0
295	643.8	639.3	635.2	622.9	602.1	573.9	541.8	506.3	467.1	425.5
300	643.8	641.8	635.5	624.6	602.7	575.6	544.1	509.5	471.3	430.9
305	643.8	647.5	635.9	625.3	603.9	578.0	546.9	513.0	476.1	437.0
310	643.8	647.4	636.3	626.0	604.8	580.3	550.0	517.0	481.2	443.4
315	643.8	647.3	636.6	626.8	606.1	582.0	553.9	521.3	486.5	450.5
320	643.8	647.6	637.0	627.5	607.6	583.9	557.1	526.0	492.5	457.2
325	643.8	647.5	637.4	628.4	609.0	586.0	559.6	530.4	498.7	464.0
330	643.8	647.6	637.7	629.4	610.5	588.1	562.1	533.8	503.2	470.8
335	643.8	647.6	638.1	629.4	611.9	590.2	565.0	537.2	507.2	475.7
340	643.8	647.9	638.4	630.8	613.0	591.9	567.5	540.4	511.3	480.4
345	643.8	648.0	638.9	631.6	614.2	593.6	569.8	543.3	514.8	484.5
350	643.8	648.2	639.0	632.0	615.2	595.0	571.5	545.7	517.4	487.8
355	643.8	648.2	639.2	632.5	615.8	595.9	572.8	547.4	519.5	490.2
360	643.8	642.5	641.3	628.8	617.6	597.6	574.6	549.1	521.3	492.0

C\G	50	55	60	65	70	75	80	85	90
0	461.9	431.5	401.6	372.4	343.5	313.5	281.0	246.5	211.9
5	461.8	431.5	401.5	372.3	343.4	313.3	280.9	246.4	211.9
10	460.7	430.0	399.9	370.6	341.7	311.6	279.2	244.8	210.2
15	458.6	427.2	396.8	367.3	338.2	308.1	275.7	241.2	206.6
20	455.6	423.4	392.1	362.2	333.0	302.8	270.5	236.2	201.3
25	452.4	418.4	386.1	355.5	326.0	295.7	263.7	229.3	194.3
30	445.6	411.6	378.5	347.3	317.4	286.9	254.9	220.6	185.5
35	438.0	403.6	369.8	337.6	307.1	276.4	244.5	210.2	175.0
40	430.6	395.0	359.9	326.5	295.3	264.2	232.5	198.2	163.0
45	422.7	385.6	349.1	314.4	282.1	250.6	218.7	184.5	149.3
50	414.6	375.9	337.7	301.3	267.6	235.3	203.5	168.4	134.2
55	406.2	365.9	326.0	287.8	252.0	218.7	186.6	151.7	117.7
60	398.0	356.8	314.7	273.5	235.6	200.8	168.1	133.6	100.1
65	391.7	346.8	302.2	259.1	218.9	181.9	148.2	114.2	81.5
70	383.9	337.6	291.2	245.5	202.6	162.4	125.8	93.7	62.5
75	377.1	329.8	281.4	233.4	186.6	143.2	104.0	72.2	43.5
80	372.2	323.6	274.0	222.7	173.1	125.8	83.2	50.5	25.6
85	368.7	319.2	267.7	215.1	162.8	112.1	66.0	30.8	10.8
90	366.5	316.5	264.5	211.1	157.5	104.9	56.7	19.1	2.6
95	365.6	315.8	263.9	210.8	157.5	105.7	59.0	22.6	4.9
100	366.3	316.9	266.0	214.3	163.6	114.3	71.5	37.9	15.6

## Photometric Data Table [Unit:cd] 4312-1

105	368.2	320.1	270.8	221.3	173.9	128.2	89.5	57.6	30.6
110	371.9	325.3	277.9	231.1	187.2	146.3	109.6	77.7	47.5
115	376.8	332.0	286.8	242.8	202.1	164.6	129.8	97.2	65.2
120	382.8	339.9	297.0	255.6	217.9	182.8	149.3	115.7	82.7
125	389.7	348.6	307.9	269.0	233.7	200.5	167.6	133.3	99.8
130	397.2	357.9	319.2	283.3	249.1	217.1	184.5	149.7	116.1
135	405.0	367.2	330.4	296.3	263.8	232.5	200.0	165.2	131.5
140	412.7	377.1	341.4	308.8	277.4	246.8	214.3	179.4	145.6
145	420.3	386.1	352.5	320.5	290.0	259.8	227.2	192.3	159.4
150	427.5	394.5	362.1	331.1	301.4	271.4	238.9	204.0	171.0
155	434.5	402.3	370.8	340.7	311.4	281.5	249.1	214.4	181.2
160	440.5	409.0	378.2	348.8	319.8	290.1	257.8	223.1	189.8
165	445.0	414.3	384.4	355.4	326.7	297.1	264.9	230.3	196.9
170	448.7	418.4	388.9	360.4	332.0	302.4	270.2	235.8	202.3
175	451.2	421.3	392.1	363.8	335.5	306.0	273.8	239.5	205.9
180	452.5	422.7	393.7	365.4	337.3	307.8	275.7	241.5	207.7
185	452.6	422.8	393.6	365.4	337.3	307.9	275.8	241.6	207.8
190	451.5	421.5	392.2	363.7	335.5	306.1	274.2	239.9	206.2
195	449.1	418.7	388.9	360.2	331.9	302.5	270.7	236.4	202.7
200	445.4	414.5	384.1	355.1	326.5	297.1	265.5	231.1	197.3
205	441.2	409.4	377.9	348.3	319.5	289.9	258.4	223.9	190.2
210	436.4	402.9	370.4	340.0	310.8	281.2	249.1	215.1	181.4
215	428.9	394.9	361.7	330.3	300.5	270.6	238.6	204.7	171.0
220	421.6	386.4	351.9	319.4	288.8	258.5	226.4	192.6	159.0
225	414.0	377.3	341.4	307.4	275.6	244.9	212.7	179.0	145.5
230	406.3	368.0	330.2	294.4	261.5	229.9	197.6	164.1	130.6
235	398.4	358.5	318.8	281.0	245.2	213.6	180.9	147.7	114.5
240	391.0	349.0	307.4	267.4	229.3	196.1	162.8	130.0	97.2
245	384.1	340.3	296.4	253.8	213.1	176.4	143.3	111.2	79.1
250	378.0	332.5	286.3	241.0	197.2	157.6	122.7	91.2	60.6
255	373.0	325.7	277.4	229.5	182.5	139.2	101.7	70.4	42.2
260	369.3	320.6	270.6	220.2	170.0	122.7	81.5	49.3	24.9
265	366.9	317.4	266.1	213.5	161.2	110.5	65.2	30.3	10.4
270	366.1	316.1	264.3	211.0	157.4	104.9	56.9	19.2	2.4
275	366.3	316.6	265.0	212.3	159.2	107.5	60.3	23.4	5.5
280	368.2	319.3	268.4	217.3	166.1	117.4	73.5	39.2	17.2
285	371.4	323.8	274.4	225.5	177.3	132.4	92.3	59.7	33.1
290	376.1	330.1	283.0	236.3	191.3	150.2	113.0	80.6	50.8
295	382.0	337.7	292.7	248.6	206.9	168.9	133.8	100.7	69.0
300	389.4	346.4	303.5	262.0	223.0	187.5	153.7	119.8	87.2
305	397.0	355.7	315.0	275.8	239.2	205.5	172.3	137.7	104.6
310	404.8	365.3	326.5	289.5	254.9	222.3	189.6	155.5	121.2
315	413.0	375.1	338.1	302.8	269.7	238.1	205.3	171.1	136.7
320	421.1	384.7	349.2	315.5	283.5	252.5	219.8	185.5	151.0
325	429.0	393.8	359.8	327.3	296.2	265.6	232.8	198.5	164.0
330	437.1	402.7	369.5	338.0	307.6	277.2	244.4	210.0	175.6
335	443.1	410.1	378.1	347.4	317.5	287.2	254.5	220.1	185.7
340	448.6	416.6	385.4	355.4	325.7	295.6	263.4	228.5	194.1
345	453.5	422.2	391.5	361.9	332.7	302.5	270.3	235.4	201.0

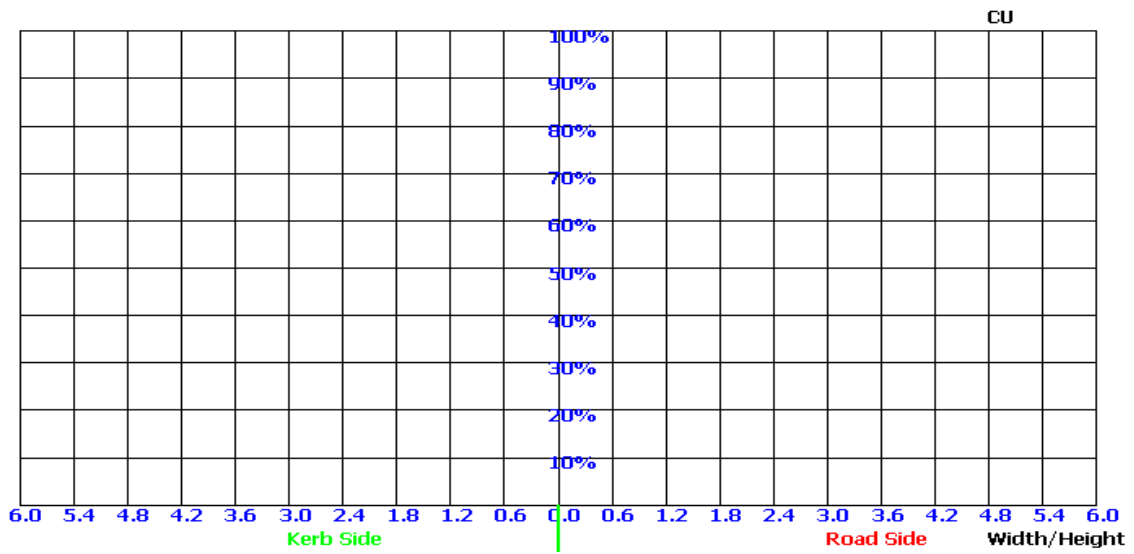
**Photometric Data Table [Unit:cd] 4312-1**

<b>350</b>	457.2	426.4	396.2	366.9	337.8	307.8	275.4	240.7	206.3
<b>355</b>	459.9	429.3	399.5	370.5	341.4	311.3	279.0	244.3	209.9
<b>360</b>	461.9	431.5	401.6	372.4	343.5	313.5	281.0	246.5	211.9

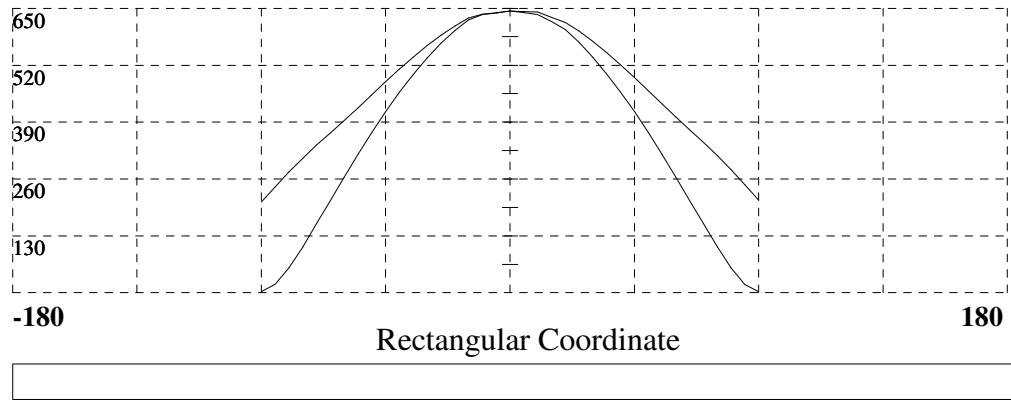
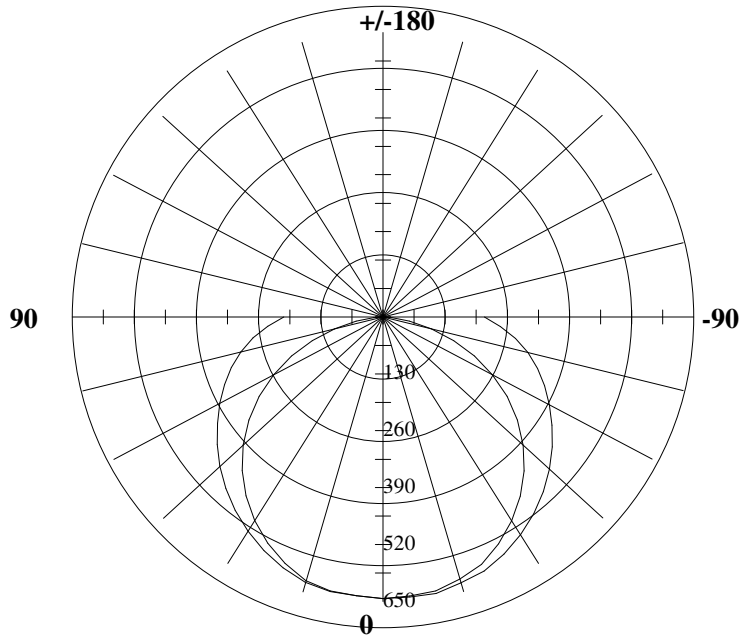
## Zonal Flux4312-1

<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	643.78	0.00	0.00	0.00	0.00
5	641.34	15.36	15.36	-1536.32	-1536.32
10	636.95	45.73	61.09	-4572.82	-6109.14
15	625.83	74.91	136.00	-7490.70	-13599.84
20	606.77	101.58	237.58	-10158.37	-23758.21
25	581.84	124.66	362.25	-12466.34	-36224.55
30	553.25	143.65	505.89	-14364.67	-50589.21
35	521.56	158.27	664.17	-15827.34	-66416.55
40	487.14	168.29	832.46	-16829.47	-83246.03
45	450.64	173.64	1006.10	-17363.89	-100609.95
50	412.71	174.45	1180.55	-17445.25	-118055.20
55	374.05	171.07	1351.62	-17106.68	-135161.89
60	335.47	164.00	1515.62	-16400.40	-151562.29
65	297.91	153.98	1669.60	-15397.71	-166960.00
70	261.65	141.68	1811.29	-14168.49	-181128.45
75	226.42	127.57	1938.86	-12757.48	-193885.96
80	191.59	111.85	2050.71	-11184.77	-205070.73
85	157.47	94.85	2145.55	-9484.72	-214555.37
90	126.06	77.63	2223.19	-7763.40	-222318.85

# Coefficient Utilization Curve 4312-1

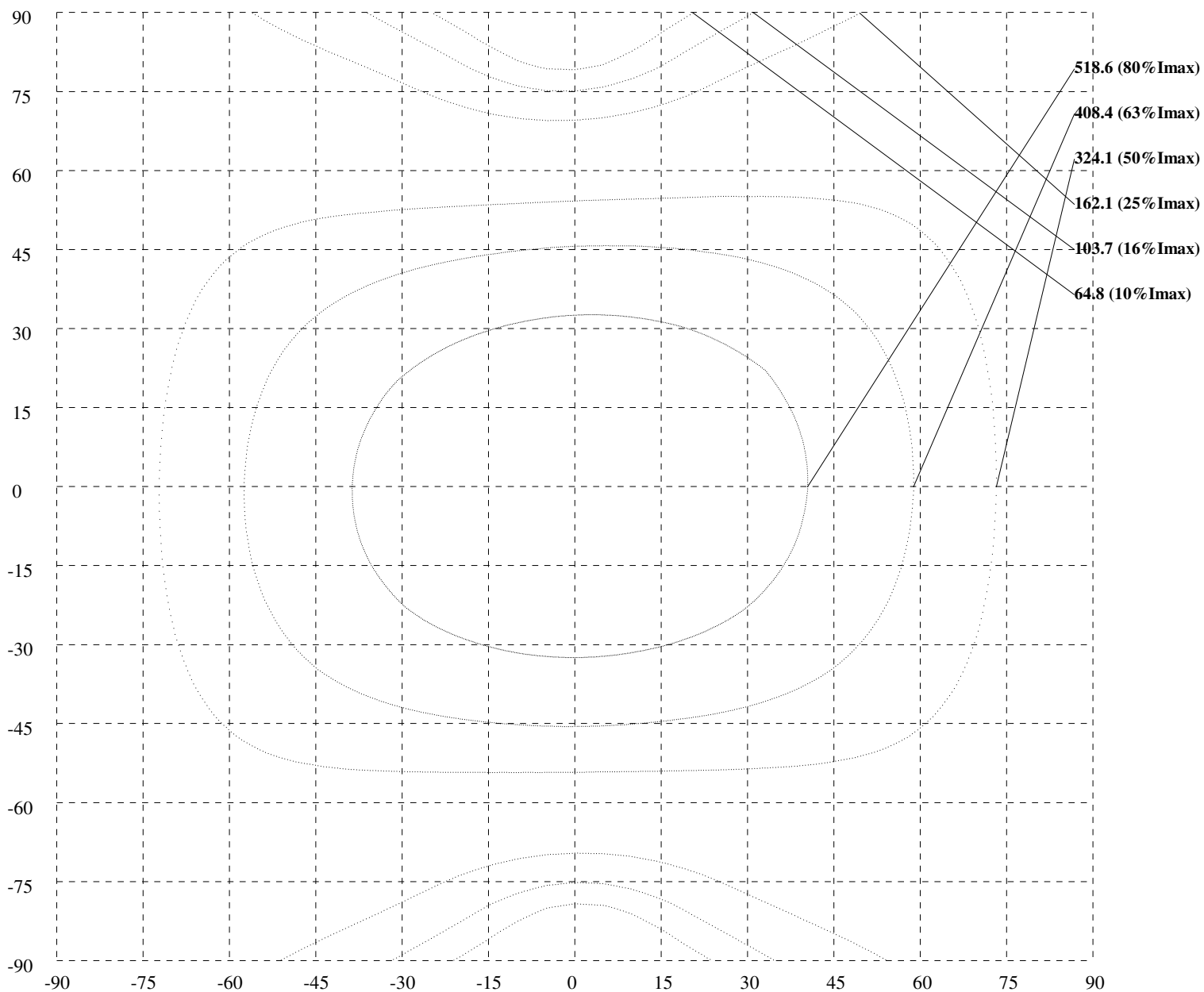


Light Distribution Curve[Unit: cd]

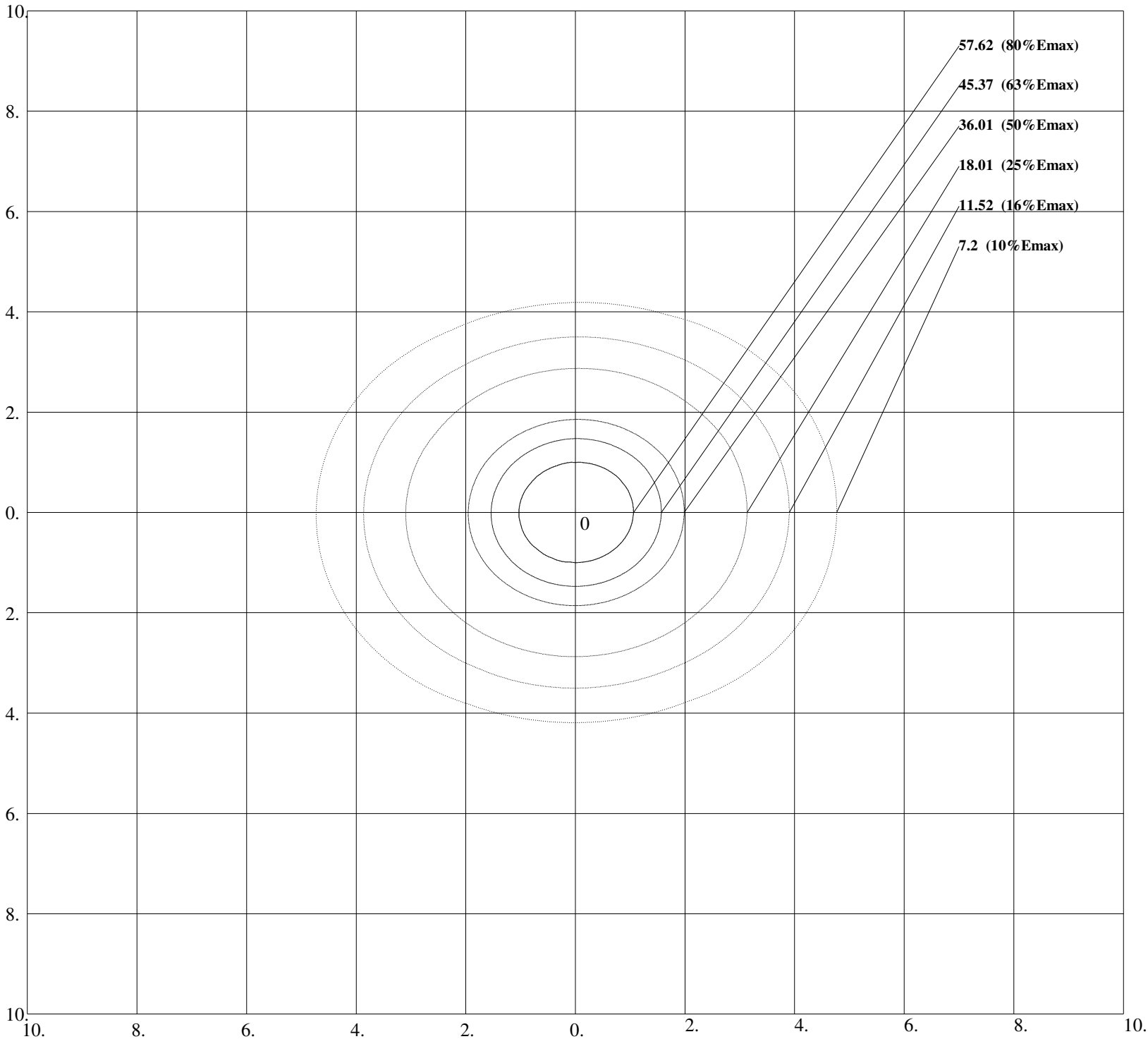




# ISO-Candela V-H [Unit :cd]4312-1



**Iso-Lux [Unit :lx]4312-1**



Units: lx  
Height: 3 m  
Max Illuminance : 72.02lx

# Lux-Distance Curve

