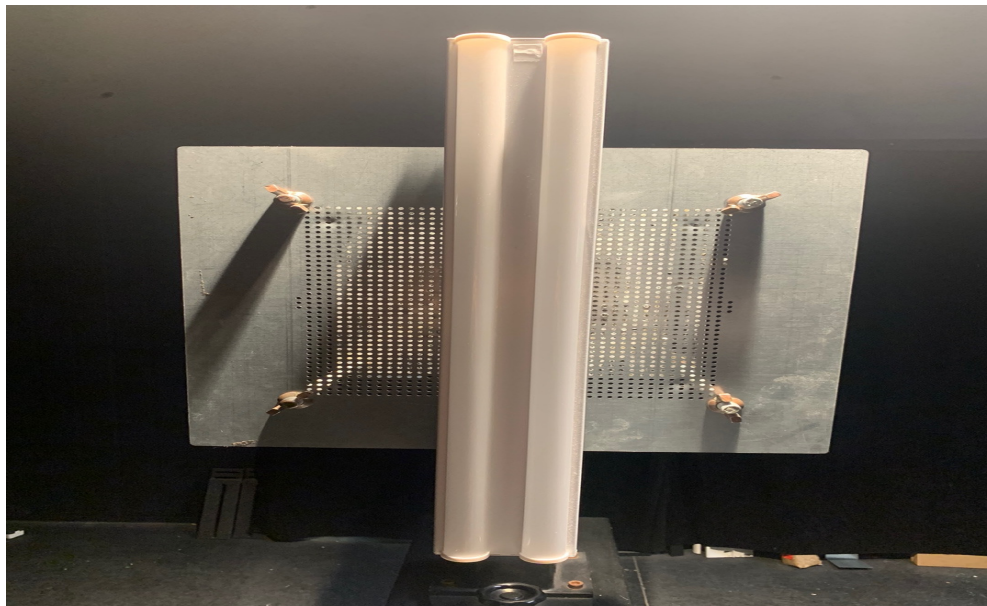


## Test Report of Luminaire

**Report No.:**

Luminaire Type	4309-1		
Lamp Type	LED		
Client		EUT NO.	CCT: 3961K, CRI: 82.8Ra
<b>Luminaire Parameters:</b>			
Voltage	120.0	Current	0.177
Power:	21.2	Power Factor	0.995
Frequency:	60Hz	Tc	4000K
<b>Photometric Parameters</b>			
Luminaire Flux	2045.07 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	619.205cd	Central Intensity	619.205cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-204507.4%		
50%Imax Beam Width	C0_180[ 70.1 , -70.3] C90_270[ 53.8 , -54.1]		
Remark			

### Luminaire Figure



## Photometric Data Table [Unit:cd] 4309-1

C\G	0	5	10	15	20	25	30	35	40	45
0	619.2	615.3	606.3	593.7	577.8	558.8	537.2	513.5	488.0	461.8
5	619.2	615.2	606.3	593.7	577.7	558.7	537.1	513.3	487.8	461.5
10	619.2	615.2	606.3	593.6	577.5	558.2	536.5	512.6	486.7	460.2
15	619.2	615.3	606.3	593.4	577.0	557.5	535.5	511.3	485.0	458.0
20	619.2	615.2	606.1	593.1	576.5	556.6	534.1	509.2	482.4	454.7
25	619.2	615.2	606.1	592.7	575.8	555.3	532.2	506.7	479.1	450.5
30	619.2	615.1	605.9	592.3	574.9	553.8	529.9	503.7	475.3	445.5
35	619.2	615.1	605.6	591.7	573.8	552.0	527.4	500.3	470.9	440.0
40	619.2	615.0	605.3	591.1	572.7	550.1	524.8	496.4	466.1	434.0
45	619.2	615.0	605.1	590.5	571.5	548.3	522.0	492.6	461.2	427.5
50	619.2	614.8	604.8	589.9	570.2	546.4	519.2	488.7	456.2	421.1
55	619.2	614.8	604.6	589.2	569.1	544.6	516.4	485.1	451.3	414.9
60	619.2	614.8	604.3	588.7	568.1	542.9	513.9	481.5	446.2	409.0
65	619.2	614.7	604.2	588.1	567.1	541.5	511.9	478.5	442.1	403.5
70	619.2	614.6	603.9	587.7	566.3	540.1	509.9	475.9	438.5	398.8
75	619.2	614.6	603.8	587.4	565.7	539.2	508.4	473.6	435.6	395.0
80	619.2	614.5	603.6	587.1	565.2	538.4	507.3	472.1	433.6	392.2
85	619.2	614.5	603.5	586.9	564.9	537.9	506.6	471.1	432.3	390.3
90	619.2	614.5	603.4	586.9	564.8	537.7	506.3	470.7	431.8	389.7
95	619.2	614.5	603.5	586.9	564.9	537.9	506.5	470.9	432.1	390.1
100	619.2	614.6	603.6	587.0	565.3	538.3	507.0	471.8	433.1	391.4
105	619.2	614.5	603.7	587.3	565.7	539.0	508.1	473.2	435.0	393.8
110	619.2	614.6	603.9	587.8	566.4	540.0	509.6	475.1	437.6	397.4
115	619.2	614.7	604.1	588.2	567.2	541.4	511.5	477.6	441.0	401.8
120	619.2	614.8	604.4	588.8	568.3	542.8	513.6	480.7	445.1	407.0
125	619.2	614.9	604.8	589.4	569.5	544.6	516.2	484.3	449.7	412.9
130	619.2	615.0	605.1	590.3	570.6	546.7	519.1	488.0	454.7	419.2
135	619.2	615.2	605.5	591.0	572.1	548.8	522.1	492.1	459.9	425.7
140	619.2	615.2	605.8	591.8	573.4	550.8	525.1	496.2	465.1	432.2
145	619.2	615.3	606.2	592.6	574.8	553.0	528.2	500.3	470.2	438.5
150	619.2	615.4	606.5	593.4	576.1	554.9	531.1	504.0	475.1	444.5
155	619.2	615.5	606.9	594.1	577.5	556.9	533.8	507.6	479.5	450.1
160	619.2	615.6	607.3	594.8	578.5	558.6	536.2	510.8	483.5	455.0
165	619.2	615.7	607.5	595.4	579.5	560.2	538.2	513.5	486.8	459.1
170	619.2	615.7	607.8	595.9	580.4	561.4	539.9	515.5	489.4	462.4
175	619.2	615.9	608.0	596.3	581.0	562.3	541.0	517.1	491.3	464.6
180	619.2	616.0	608.2	596.5	581.4	562.9	541.7	517.9	492.3	465.8
185	619.2	616.0	608.3	596.6	581.5	563.1	541.8	518.0	492.4	465.8
190	619.2	616.1	608.3	596.7	581.5	562.8	541.4	517.5	491.8	464.8
195	619.2	616.0	608.4	596.6	581.2	562.2	540.6	516.2	490.0	462.7
200	619.2	616.0	608.3	596.3	580.7	561.3	539.2	514.3	487.5	459.5
205	619.2	616.0	608.2	596.0	579.8	560.1	537.4	511.8	484.4	455.4
210	619.2	615.9	608.0	595.4	579.0	558.6	535.2	509.0	480.5	450.6
215	619.2	615.8	607.7	594.8	577.9	556.8	532.7	505.6	476.2	445.1
220	619.2	615.7	607.4	594.3	576.7	555.0	530.0	501.8	471.4	439.2
225	619.2	615.5	607.0	593.5	575.4	552.9	527.1	497.9	466.3	432.9
230	619.2	615.4	606.6	592.8	574.1	550.9	524.1	494.0	461.3	426.6
235	619.2	615.4	606.3	591.9	572.8	548.9	521.3	490.1	456.2	420.2

## Photometric Data Table [Unit:cd] 4309-1

<b>240</b>	619.2	615.1	605.9	591.1	571.6	547.0	518.6	486.4	451.4	414.1
<b>245</b>	619.2	615.0	605.5	590.4	570.4	545.3	516.0	483.0	446.9	408.4
<b>250</b>	619.2	614.9	605.1	589.7	569.2	543.7	513.9	480.0	443.0	403.4
<b>255</b>	619.2	614.6	604.8	589.1	568.2	542.3	511.9	477.6	439.9	399.2
<b>260</b>	619.2	614.6	604.5	588.5	567.3	541.1	510.4	475.5	437.3	396.0
<b>265</b>	619.2	614.5	604.2	588.1	566.7	540.2	509.3	474.1	435.5	393.8
<b>270</b>	619.2	614.3	603.9	587.7	566.2	539.7	508.5	473.2	434.5	392.5
<b>275</b>	619.2	614.3	603.7	587.6	565.9	539.3	508.1	472.8	434.2	392.3
<b>280</b>	619.2	614.2	603.7	587.3	565.8	539.2	508.2	473.1	434.6	393.1
<b>285</b>	619.2	614.1	603.5	587.2	565.8	539.5	508.7	474.0	435.9	395.0
<b>290</b>	619.2	614.0	603.5	587.4	566.1	540.0	509.8	475.5	438.0	398.0
<b>295</b>	619.2	614.1	603.5	587.4	566.6	540.9	511.1	477.6	440.9	402.0
<b>300</b>	619.2	613.9	603.6	587.9	567.3	542.1	512.9	480.1	444.6	406.8
<b>305</b>	619.2	613.9	603.7	588.3	568.0	543.4	515.1	483.2	448.7	412.2
<b>310</b>	619.2	613.8	603.8	588.6	569.0	545.0	517.5	486.6	453.3	418.0
<b>315</b>	619.2	613.9	603.9	589.2	569.9	546.7	520.1	490.2	458.1	424.1
<b>320</b>	619.2	613.9	604.2	589.6	571.0	548.5	522.8	493.8	462.9	430.3
<b>325</b>	619.2	614.0	604.4	590.4	572.1	550.3	525.4	497.5	467.7	436.2
<b>330</b>	619.2	614.0	604.6	590.6	573.1	552.1	527.9	501.0	472.5	442.4
<b>335</b>	619.2	613.9	604.8	591.2	574.1	553.6	530.3	504.2	476.6	447.5
<b>340</b>	619.2	613.9	604.9	591.6	575.0	555.0	532.4	507.1	480.1	452.1
<b>345</b>	619.2	613.9	605.2	592.2	575.8	556.3	534.1	509.5	483.1	455.9
<b>350</b>	619.2	614.0	605.3	592.5	576.4	557.3	535.4	511.3	485.4	458.7
<b>355</b>	619.2	614.0	605.4	592.7	576.8	557.9	536.3	512.5	486.9	460.5
<b>360</b>	619.2	615.3	606.3	593.7	577.8	558.8	537.2	513.5	488.0	461.8

<b>C\G</b>	<b>50</b>	<b>55</b>	<b>60</b>	<b>65</b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>85</b>	<b>90</b>
<b>0</b>	434.5	406.3	376.2	344.8	310.1	261.4	205.6	150.1	103.0
<b>5</b>	434.2	405.9	375.9	344.3	309.8	261.4	205.6	150.1	102.9
<b>10</b>	432.7	404.4	374.1	342.5	308.3	260.4	204.9	149.3	102.0
<b>15</b>	430.1	401.4	371.1	339.2	305.5	258.6	203.2	147.9	100.4
<b>20</b>	426.3	396.8	366.2	334.4	301.3	255.7	200.8	145.6	98.0
<b>25</b>	421.3	391.2	360.3	328.2	295.7	251.7	197.3	142.4	94.8
<b>30</b>	415.4	384.5	353.1	320.5	288.8	246.4	192.9	138.2	90.7
<b>35</b>	408.8	376.7	344.7	311.6	280.4	239.6	187.4	133.1	85.8
<b>40</b>	401.4	368.2	335.2	301.6	270.2	231.0	180.9	127.1	80.2
<b>45</b>	393.2	359.0	324.9	290.8	258.4	220.9	173.4	119.8	73.7
<b>50</b>	385.3	349.4	313.8	278.8	245.8	209.3	164.7	112.0	66.7
<b>55</b>	377.5	339.8	302.6	266.2	232.5	196.1	154.8	103.4	58.9
<b>60</b>	370.1	330.7	291.3	253.2	218.4	181.1	143.0	93.8	50.6
<b>65</b>	363.3	322.0	280.6	240.2	203.7	166.1	128.8	83.3	41.9
<b>70</b>	357.2	314.3	270.8	227.8	188.7	150.2	112.5	71.8	32.9
<b>75</b>	352.1	307.7	262.3	216.9	174.6	133.1	95.7	59.0	23.9
<b>80</b>	348.3	302.7	255.5	207.9	162.7	117.7	77.0	44.1	15.2
<b>85</b>	345.9	299.4	251.0	201.8	154.1	105.9	61.8	28.5	7.6
<b>90</b>	344.9	298.1	249.2	199.2	150.2	100.3	54.2	18.0	2.9
<b>95</b>	345.3	298.6	250.0	200.2	151.7	102.5	58.0	23.2	5.0
<b>100</b>	347.2	301.0	253.4	206.9	158.4	112.5	71.1	37.8	11.3

## Photometric Data Table [Unit:cd] 4309-1

105	350.4	305.4	259.2	214.9	168.9	126.6	88.2	52.5	19.3
110	355.0	311.3	267.0	225.0	182.8	142.9	104.6	64.7	28.0
115	360.8	318.6	276.2	236.9	197.5	158.9	121.0	75.6	36.9
120	367.5	326.9	286.5	249.7	212.2	174.0	135.3	85.5	45.5
125	374.8	336.0	297.7	262.9	226.2	189.0	146.7	94.6	53.9
130	382.4	345.4	309.0	275.7	239.6	202.5	156.3	103.0	61.7
135	390.4	355.2	320.2	288.7	252.6	214.5	164.9	110.7	68.9
140	398.5	364.7	331.0	300.1	264.7	225.0	172.3	117.7	76.0
145	406.2	373.7	341.0	310.6	275.4	233.9	178.9	124.0	81.9
150	413.5	382.5	350.0	320.2	284.7	240.7	184.7	129.6	87.1
155	420.1	389.9	358.5	328.8	292.5	246.2	189.7	134.5	91.6
160	425.9	396.3	365.2	336.0	299.1	250.9	193.9	138.6	95.3
165	430.7	401.6	370.8	341.8	304.4	254.8	197.4	142.0	98.3
170	434.4	405.6	375.0	346.2	308.3	257.8	200.2	144.8	100.4
175	436.9	408.3	377.9	349.2	311.2	260.1	202.4	147.0	102.0
180	438.2	409.7	379.3	350.7	312.6	261.5	203.8	148.3	102.7
185	438.3	409.6	379.2	350.7	312.8	262.1	204.3	148.8	102.7
190	437.0	408.2	377.7	349.2	311.7	261.7	204.0	148.4	101.9
195	434.5	405.4	374.8	346.0	309.1	260.3	202.9	147.1	100.3
200	430.8	401.3	370.4	341.4	305.1	257.9	200.8	145.0	97.9
205	426.0	395.8	364.5	335.2	299.6	254.5	197.8	142.0	94.6
210	420.1	389.2	357.5	327.7	292.7	249.9	193.9	138.1	90.6
215	413.5	381.5	349.1	318.8	284.2	243.5	188.7	133.4	85.7
220	406.2	373.0	339.7	308.9	274.0	235.1	182.8	127.7	80.1
225	398.4	363.8	329.4	297.9	262.3	225.0	175.6	121.1	73.7
230	390.6	354.2	318.4	285.9	249.7	213.2	167.4	113.7	66.8
235	382.8	344.6	307.1	273.2	236.4	198.8	157.8	105.4	59.0
240	375.2	335.4	295.8	260.0	222.4	183.8	145.8	96.2	50.8
245	368.1	326.6	285.0	246.7	206.6	168.3	131.1	85.9	42.0
250	361.7	318.7	275.1	234.3	191.5	152.0	114.4	74.4	33.0
255	356.4	311.8	266.4	223.1	177.5	135.4	97.3	61.7	23.9
260	352.3	306.5	259.4	213.8	165.6	120.0	79.5	46.1	15.2
265	349.4	302.9	254.6	207.3	157.0	108.3	64.2	30.0	7.1
270	348.0	301.0	252.3	204.2	153.1	102.9	56.4	19.5	2.3
275	347.8	301.1	252.5	205.0	154.4	105.1	59.9	24.2	5.0
280	349.1	303.0	255.4	209.4	160.9	114.3	72.5	38.5	11.5
285	351.8	306.8	260.7	217.0	171.1	128.0	89.0	53.5	19.6
290	355.9	312.3	268.1	226.8	184.0	143.8	105.4	65.9	28.3
295	361.2	319.2	277.4	238.4	198.2	159.4	121.6	77.0	37.0
300	367.4	327.6	287.6	250.9	212.5	174.4	136.0	86.9	45.6
305	374.3	336.3	298.3	263.7	226.2	189.3	147.7	96.6	53.8
310	382.1	345.5	309.3	276.1	239.4	202.6	157.3	104.9	61.6
315	389.7	354.8	320.1	288.0	252.1	214.4	166.0	112.7	68.8
320	397.3	364.0	330.5	299.2	264.1	224.6	173.6	119.7	75.4
325	404.8	372.7	340.1	309.6	274.7	233.5	180.4	126.1	81.5
330	411.7	380.7	348.8	318.9	283.7	240.6	186.4	131.8	86.8
335	418.0	387.7	356.5	327.2	291.3	246.4	191.6	136.8	91.5
340	423.4	393.8	363.0	334.2	297.5	251.2	196.3	140.9	95.3
345	427.8	398.7	368.3	339.8	302.5	255.1	199.8	144.3	98.4

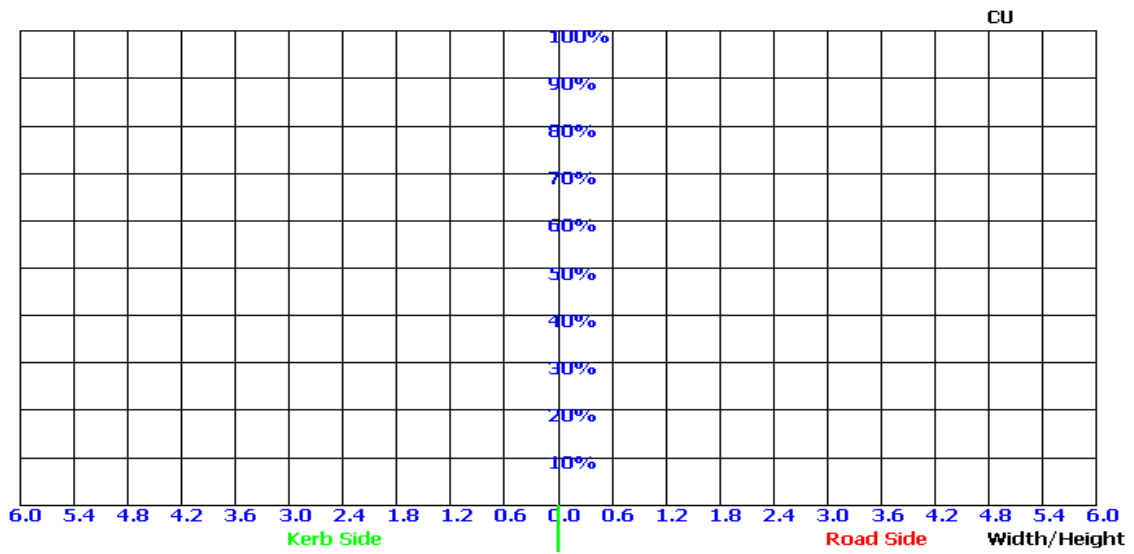
### Photometric Data Table [Unit:cd] 4309-1

<b>350</b>	431.1	402.4	372.2	344.1	306.2	258.0	202.5	147.0	100.7
<b>355</b>	433.3	404.8	374.8	346.7	308.7	260.0	204.4	148.8	102.3
<b>360</b>	434.5	406.3	376.2	344.8	310.1	261.4	205.6	150.1	103.0

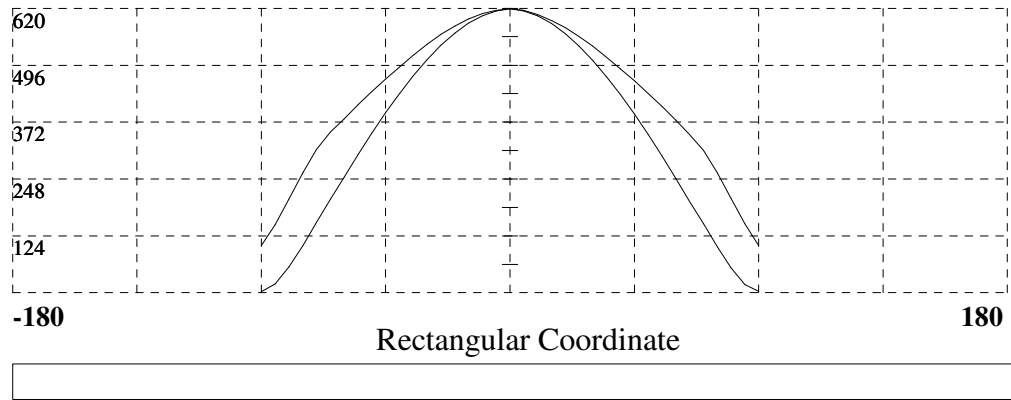
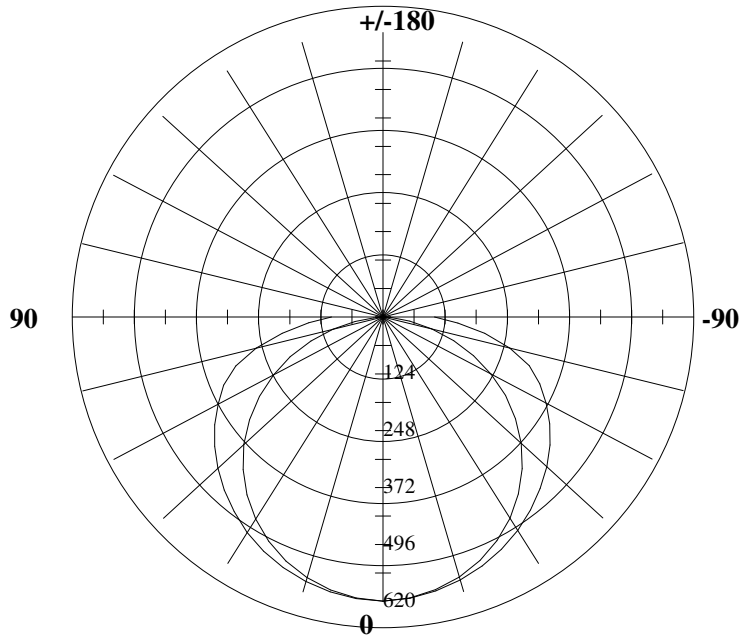
## Zonal Flux 4309-1

<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	619.20	0.00	0.00	0.00	0.00
5	614.89	14.75	14.75	-1475.33	-1475.33
10	605.39	43.65	58.41	-4365.33	-5840.66
15	591.07	70.97	129.38	-7097.30	-12937.96
20	572.33	95.88	225.26	-9588.04	-22525.99
25	549.41	117.65	342.91	-11765.07	-34291.06
30	523.07	135.72	478.63	-13572.39	-47863.44
35	493.47	149.69	628.33	-14969.21	-62832.64
40	461.41	159.31	787.64	-15931.43	-78764.09
45	427.43	164.58	952.22	-16457.60	-95221.70
50	392.18	165.61	1117.83	-16561.30	-111782.96
55	355.97	162.67	1280.50	-16267.21	-128050.22
60	318.99	156.01	1436.52	-15601.48	-143651.68
65	283.53	146.47	1582.99	-14647.25	-158299.01
70	245.01	133.83	1716.82	-13382.98	-171682.01
75	201.87	116.81	1833.63	-11680.74	-183362.71
80	153.75	95.15	1928.78	-9515.24	-192877.93
85	104.61	70.20	1998.98	-7020.14	-199898.06
90	63.74	46.09	2045.07	-4609.44	-204507.45

# Coefficient Utilization Curve 4309-1

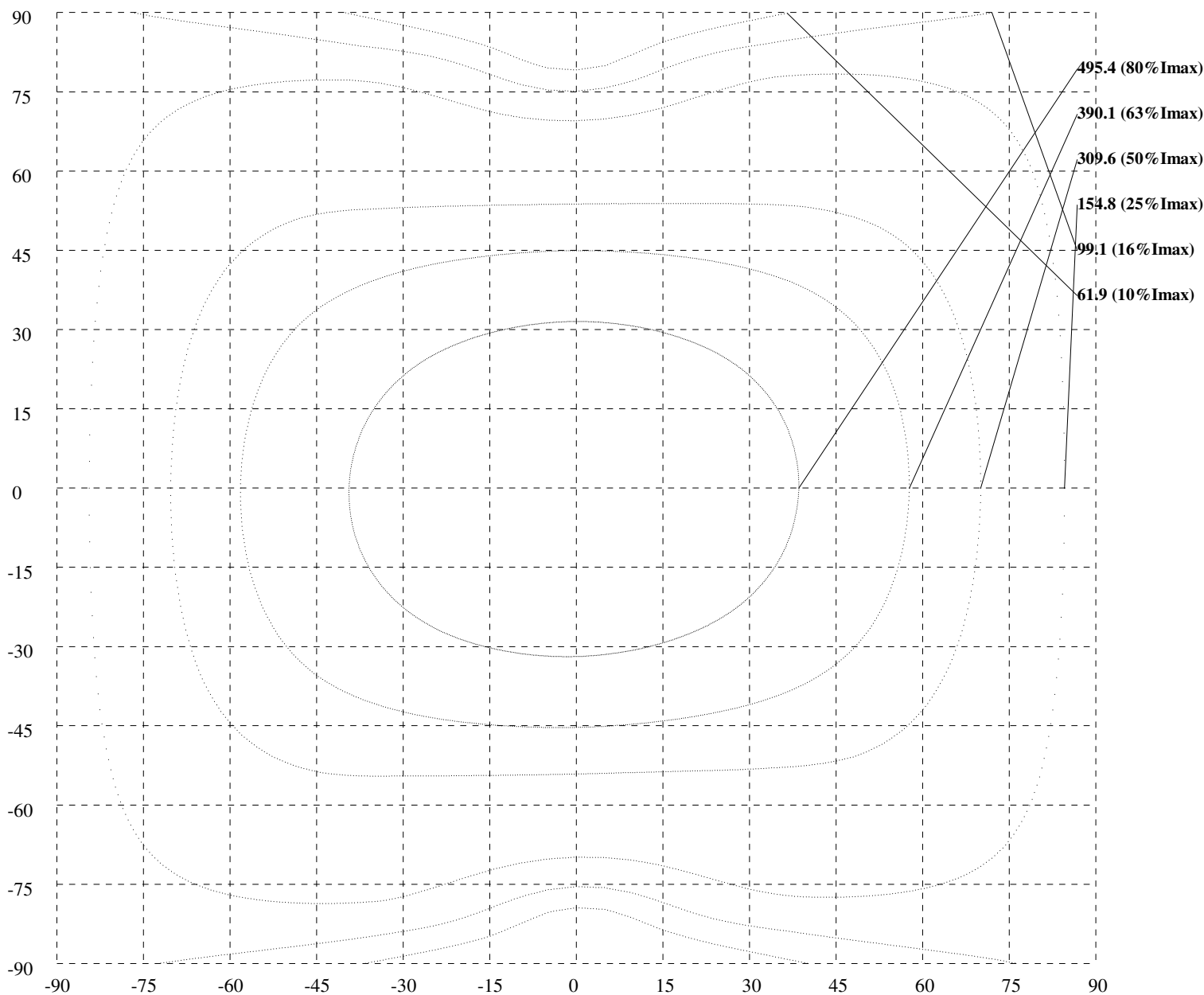


Light Distribution Curve[Unit: cd]

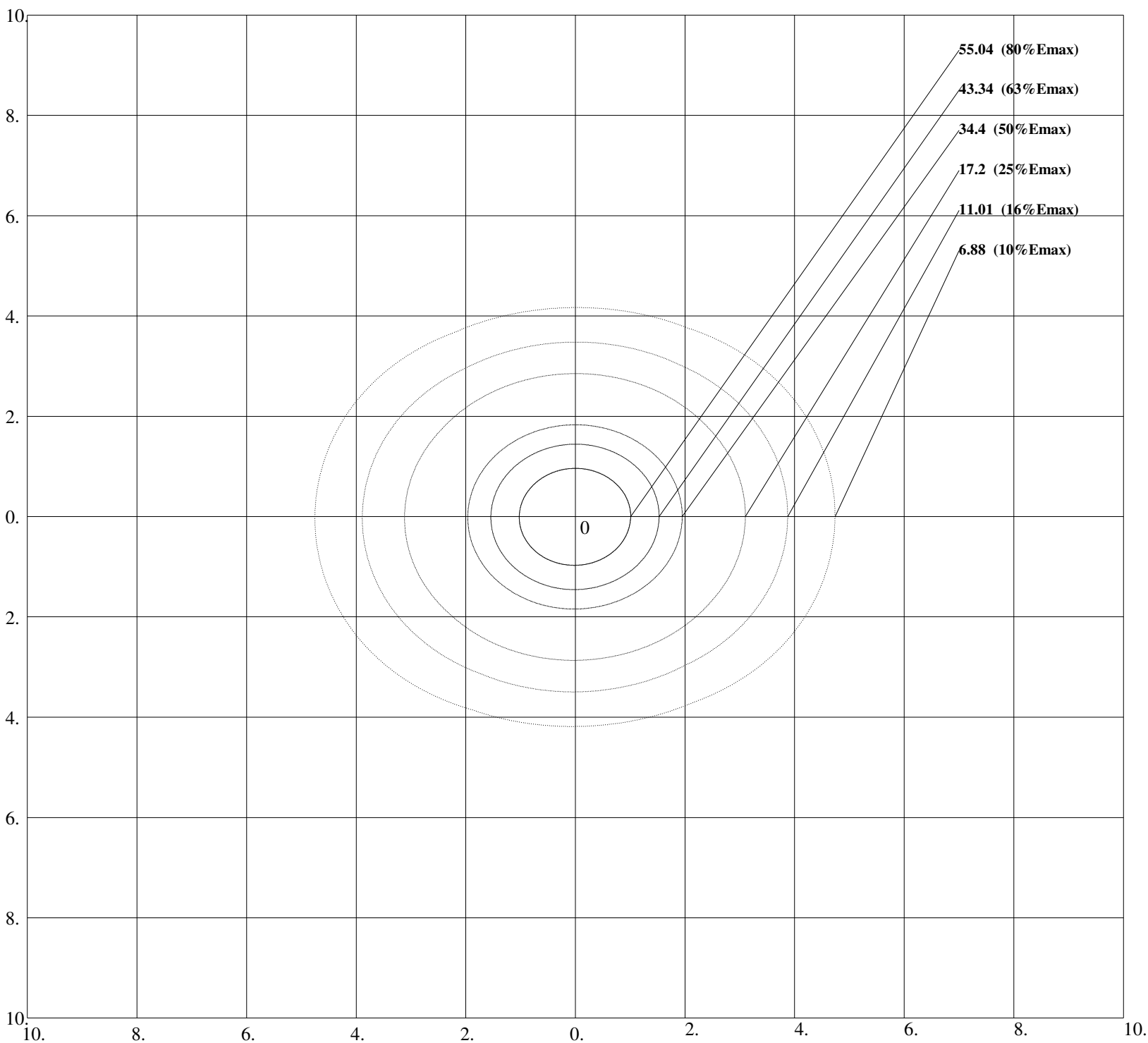




# ISO-Candela V-H [Unit :cd]4309-1



# Iso-Lux [Unit :lx]4309-1



Units: lx  
Height: 3 m  
Max Illuminance : 68.8lx

# Lux-Distance Curve

