



Distribution - Goniophotometer

Distribution Test Conditions

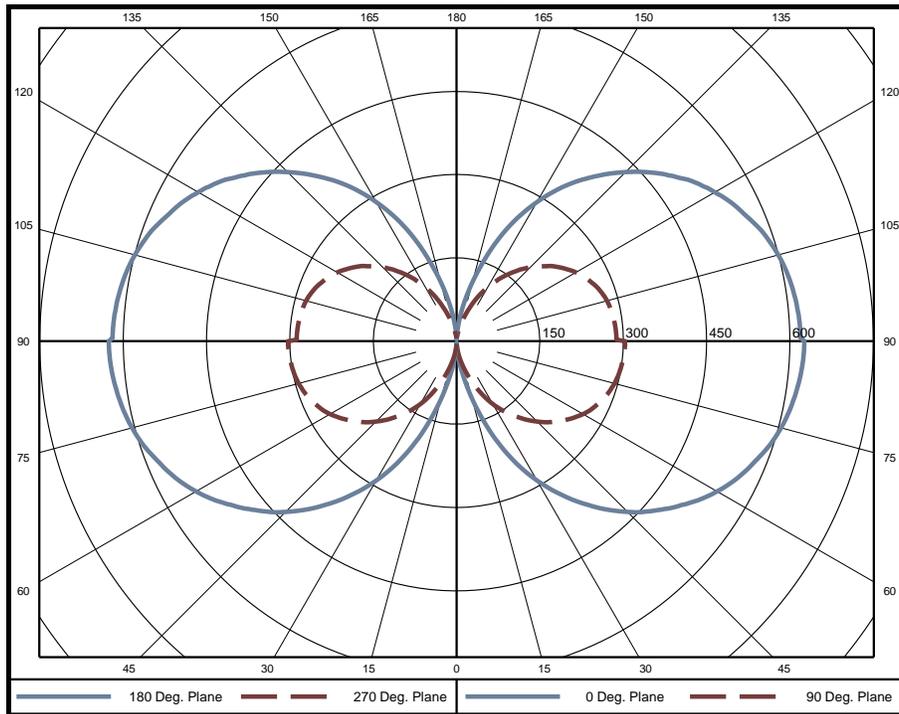
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.0 °C	120.0 VAC	0.2665 A	31.73 W	0.992	60 Hz	5.96 %

Summary of Results

Spacing Criteria
 0-180: 12.61
 90-270: 9.87

Total Lumen Output: 4230 Lumens
Luminaire Efficacy: 133.3 lm/w
Maximum Candela: 633 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.2	0.0%	60-65	190.8	4.5%	120-125	167.7	4.0%
5-10	2.2	0.1%	65-70	206.9	4.9%	125-130	147.4	3.5%
10-15	7.1	0.2%	70-75	220.5	5.2%	130-135	126.0	3.0%
15-20	16.1	0.4%	75-80	230.8	5.5%	135-140	104.2	2.5%
20-25	29.7	0.7%	80-85	237.8	5.6%	140-145	83.2	2.0%
25-30	46.5	1.1%	85-90	241.6	5.7%	145-150	63.4	1.5%
30-35	65.4	1.5%	90-95	235.6	5.6%	150-155	45.0	1.1%
35-40	86.0	2.0%	95-100	232.3	5.5%	155-160	28.7	0.7%
40-45	107.7	2.5%	100-105	225.8	5.3%	160-165	15.6	0.4%
45-50	129.7	3.1%	105-110	215.7	5.1%	165-170	6.9	0.2%
50-55	151.2	3.6%	110-115	201.9	4.8%	170-175	2.1	0.0%
55-60	171.9	4.1%	115-120	186.0	4.4%	175-180	0.3	0.0%

Zone	Lumens	% of Luminaire
0-40	253	6.0%
0-60	814	19.2%
0-90	2142	50.6%
90-180	2088	49.4%



Candela Tabulation
Horizontal Angle (Degrees)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
5	17.9	20.1	16.4	14.1	13.2	14.0	16.0	17.3	20.7	17.3	16.0	14.0	13.2	14.1	16.4	20.1
10	55.6	55.0	41.6	33.7	29.7	31.3	40.0	50.7	59.8	50.7	40.0	31.3	29.7	33.7	41.6	55.0
15	104.7	100.9	75.9	57.5	49.8	54.2	72.5	94.3	110.8	94.3	72.5	54.2	49.8	57.5	75.9	100.9
20	165.9	155.7	117.2	86.6	75.1	82.5	113.1	148.9	172.6	148.9	113.1	82.5	75.1	86.6	117.2	155.7
25	228.4	211.4	158.2	119.5	103.1	112.7	156.0	208.3	237.0	208.3	156.0	112.7	103.1	119.5	158.2	211.4
30	285.1	260.6	195.0	147.3	131.6	142.8	194.5	259.6	296.2	259.6	194.5	142.8	131.6	147.3	195.0	260.6
35	336.1	308.0	230.1	172.7	157.4	169.6	230.2	309.2	348.7	309.2	230.2	169.6	157.4	172.7	230.1	308.0
40	384.5	350.8	262.5	196.8	181.6	193.6	263.7	354.9	396.9	354.9	263.7	193.6	181.6	196.8	262.5	350.8
45	428.9	390.4	292.4	219.4	205.3	216.6	295.5	395.6	441.5	395.6	295.5	216.6	205.3	219.4	292.4	390.4
50	466.5	425.2	319.0	239.6	226.8	237.4	322.3	432.5	480.3	432.5	322.3	237.4	226.8	239.6	319.0	425.2
55	501.8	457.0	342.9	257.5	245.6	256.0	347.1	465.6	516.9	465.6	347.1	256.0	245.6	257.5	342.9	457.0
60	533.5	484.6	364.0	273.2	263.1	273.0	368.5	495.2	549.3	495.2	368.5	273.0	263.1	273.2	364.0	484.6
65	559.0	505.9	380.9	285.6	276.2	286.4	385.6	519.2	574.7	519.2	385.6	286.4	276.2	285.6	380.9	505.9
70	579.2	524.8	395.1	296.0	286.6	297.4	400.3	538.3	595.8	538.3	400.3	297.4	286.6	296.0	395.1	524.8
75	595.7	539.4	405.2	303.7	294.3	306.0	409.9	553.3	613.0	553.3	409.9	306.0	294.3	303.7	405.2	539.4
80	606.4	547.6	413.0	309.3	298.9	311.6	419.0	563.2	624.1	563.2	419.0	311.6	298.9	309.3	413.0	547.6
85	615.0	554.7	418.0	312.2	302.1	315.2	423.5	570.8	630.5	570.8	423.5	315.2	302.1	312.2	418.0	554.7
90	618.2	556.5	419.7	312.9	303.4	317.0	426.6	574.0	633.2	574.0	426.6	317.0	303.4	312.9	419.7	556.5
95	623.2	565.0	419.9	297.8	286.9	288.0	409.0	551.1	609.7	551.1	409.0	288.0	286.9	297.8	419.9	565.0
100	617.2	560.6	415.9	294.6	284.8	285.0	404.4	546.2	603.2	546.2	404.4	285.0	284.8	294.6	415.9	560.6
105	607.5	551.3	408.9	289.5	280.6	280.2	397.0	537.2	591.1	537.2	397.0	280.2	280.6	289.5	408.9	551.3
110	591.4	535.9	397.1	281.0	272.9	272.7	385.8	522.2	575.3	522.2	385.8	272.7	272.9	281.0	397.1	535.9
115	569.6	515.8	381.7	269.8	261.8	262.0	370.8	502.2	552.9	502.2	370.8	262.0	261.8	269.8	381.7	515.8
120	546.4	492.7	364.6	257.8	248.3	250.6	354.4	481.1	526.7	481.1	354.4	250.6	248.3	257.8	364.6	492.7
125	516.1	464.1	343.4	242.1	231.1	236.3	333.6	452.9	498.3	452.9	333.6	236.3	231.1	242.1	343.4	464.1
130	479.8	429.6	318.4	224.0	210.6	220.9	309.9	420.1	461.3	420.1	309.9	220.9	210.6	224.0	318.4	429.6
135	439.5	391.6	291.3	203.3	189.4	201.3	284.1	385.1	421.6	385.1	284.1	201.3	189.4	203.3	291.3	391.6
140	393.4	350.0	259.4	182.0	164.7	176.8	253.4	346.8	381.0	346.8	253.4	176.8	164.7	182.0	259.4	350.0
145	346.1	306.1	227.3	159.7	139.8	155.5	222.8	306.4	336.9	306.4	222.8	155.5	139.8	159.7	227.3	306.1
150	294.5	258.2	193.3	135.5	113.9	132.0	191.2	260.1	283.4	260.1	191.2	132.0	113.9	135.5	193.3	258.2
155	239.0	208.3	157.4	108.2	85.7	106.3	151.9	206.0	225.5	206.0	151.9	106.3	85.7	108.2	157.4	208.3
160	178.7	153.8	116.7	80.3	58.7	75.3	110.2	152.3	160.1	152.3	110.2	75.3	58.7	80.3	116.7	153.8
165	118.8	101.7	78.2	52.8	35.9	48.9	71.7	97.1	101.4	97.1	71.7	48.9	35.9	52.8	78.2	101.7
170	67.2	55.6	43.4	29.6	18.6	28.3	40.5	53.9	54.8	53.9	40.5	28.3	18.6	29.6	43.4	55.6
175	25.9	20.0	17.4	12.6	8.1	12.8	16.8	20.4	17.1	20.4	16.8	12.8	8.1	12.6	17.4	20.0
180	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

	0	45	90
0	1610	1610	1610
45	33580	6685	4081
55	35630	6864	4268
65	37350	6967	4380
75	38690	7022	4416
85	40050	7085	4428

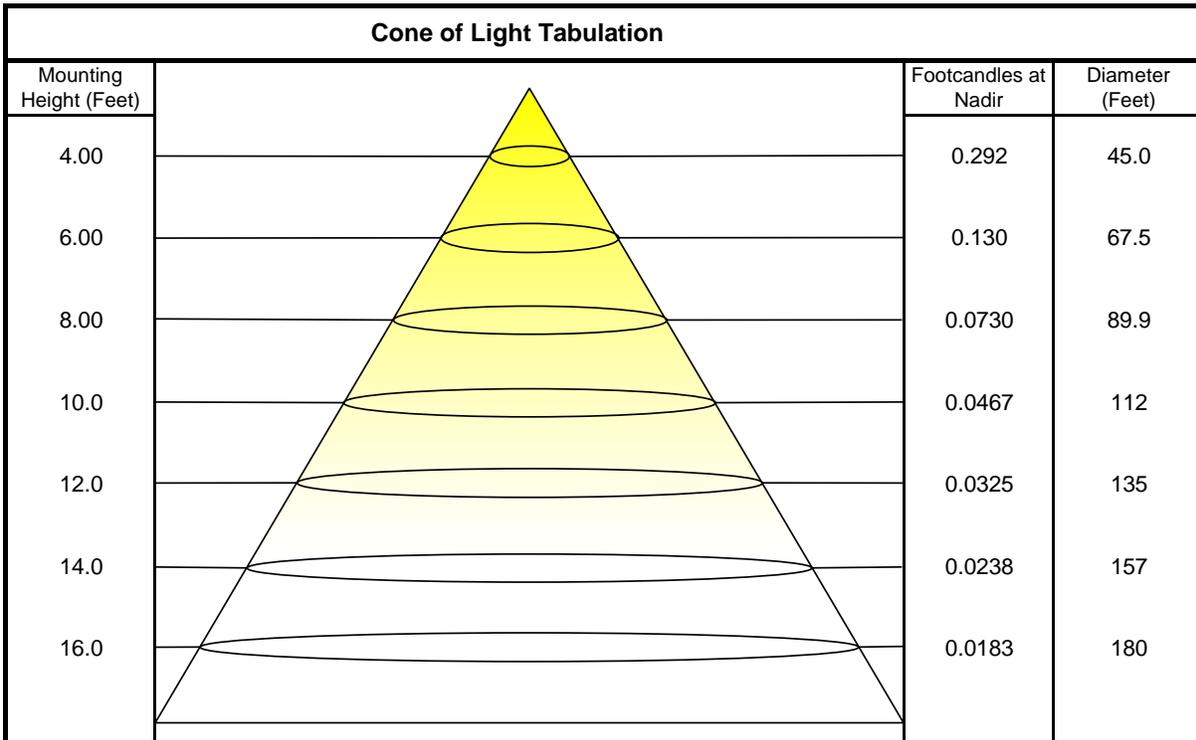


Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20%

Ceiling Cavity Reflectance	80				70				50			30			10			0
Wall Reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio (RCR)	** Values are expressed as percent of total lumen output delivered to the task surface **																	
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	92	85	79	74	84	78	73	68	65	60	57	52	49	46	41	38	36	31
2	81	71	63	55	74	65	57	51	53	47	42	43	38	34	33	29	26	21
3	73	61	51	43	66	55	47	40	45	38	33	36	31	26	27	23	20	15
4	66	52	43	35	60	48	39	32	39	32	26	31	25	21	23	19	15	11
5	60	46	36	29	54	42	33	26	34	27	22	27	21	17	20	16	12	9
6	55	41	31	24	50	37	28	22	30	23	18	24	18	14	18	14	10	7
7	50	36	27	21	46	33	25	19	27	20	15	21	16	12	16	12	9	6
8	46	32	24	18	42	30	22	16	24	18	13	19	14	10	14	10	7	5
9	43	29	21	15	39	27	19	14	22	16	11	17	12	9	13	9	6	4
10	40	27	19	13	36	24	17	12	20	14	10	16	11	8	12	8	5	3

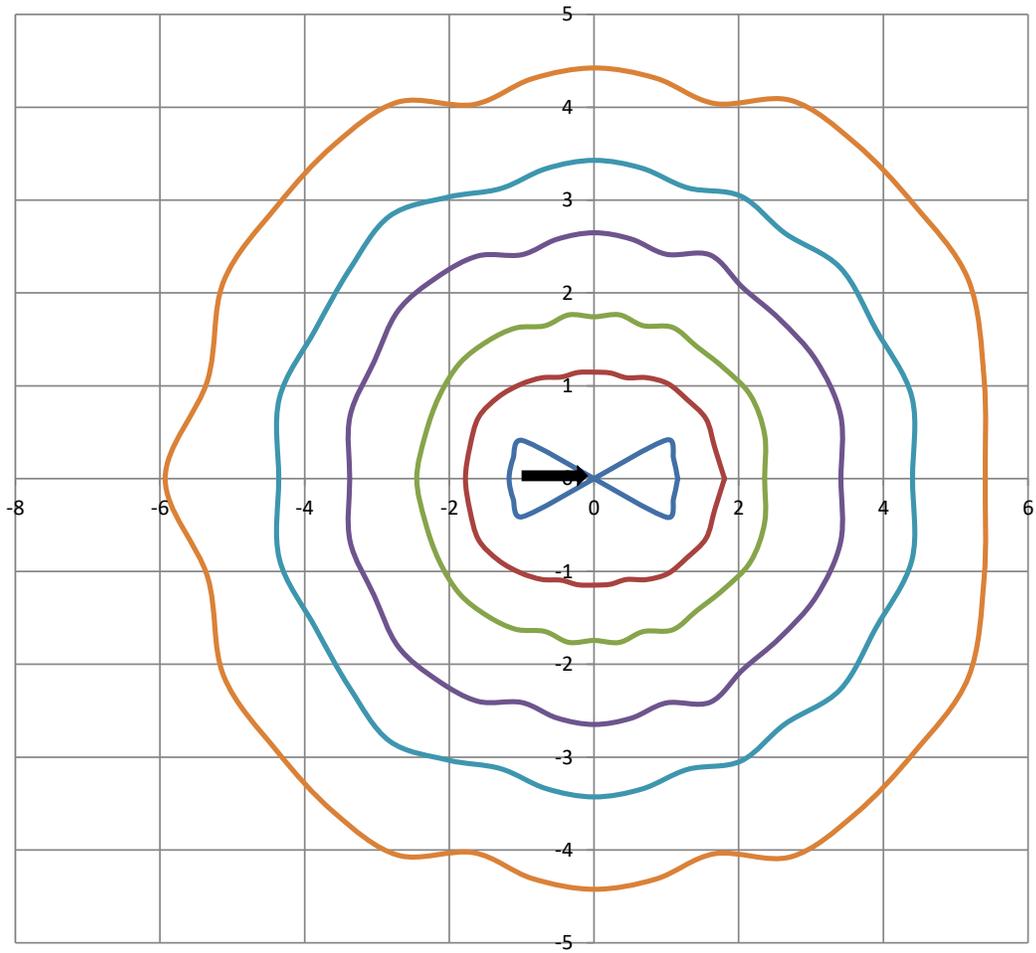
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	4.7 Candela
Central Cone Intensity:	9 Candela
Beam Flux:	4230.1 Lumens
Beam Angle (0-180):	N/A Degrees
Beam Angle (90-270):	N/A Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	N/A Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

