



Distribution - Goniophotometer

Distribution Test Conditions

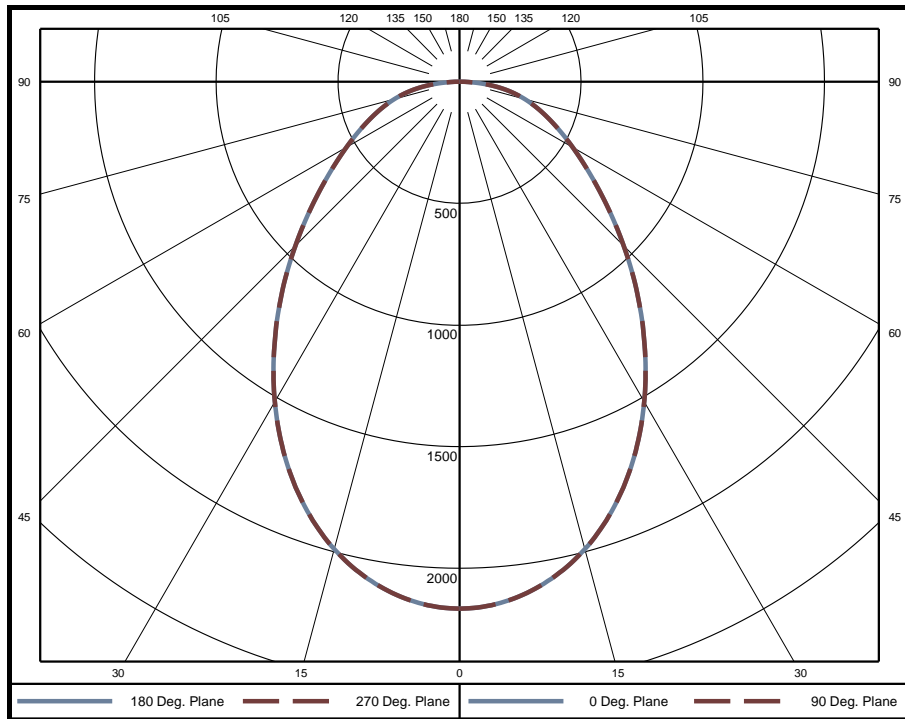
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.4348 A	51.61 W	0.990	60 Hz	6.24 %

Summary of Results

Spacing Criteria
 0-180: 1.07
 90-270: 1.07

Total Lumen Output: 4526 Lumens
Luminaire Efficacy: 87.7 lm/w
Maximum Candela: 2165 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	51.5	1.1%	60-65	235.9	5.2%	120-125	0	0.0%
5-10	151.3	3.3%	65-70	200.8	4.4%	125-130	0	0.0%
10-15	241.6	5.3%	70-75	165.8	3.7%	130-135	0	0.0%
15-20	317.0	7.0%	75-80	126.9	2.8%	135-140	0	0.0%
20-25	372.8	8.2%	80-85	80.0	1.8%	140-145	0	0.0%
25-30	406.7	9.0%	85-90	26.6	0.6%	145-150	0	0.0%
30-35	418.2	9.2%	90-95	0	0.0%	150-155	0	0.0%
35-40	409.9	9.1%	95-100	0	0.0%	155-160	0	0.0%
40-45	386.0	8.5%	100-105	0	0.0%	160-165	0	0.0%
45-50	350.9	7.8%	105-110	0	0.0%	165-170	0	0.0%
50-55	311.4	6.9%	110-115	0	0.0%	170-175	0	0.0%
55-60	272.5	6.0%	115-120	0	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	2369	52.3%
0-60	3690	81.5%
0-90	4526	100.0%
90-180	0	0.0%



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	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165
5	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144
10	2084	2084	2084	2084	2084	2084	2084	2084	2084	2084	2084	2084	2084	2084	2084	2084
15	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988	1988
20	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858
25	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698
30	1517	1517	1517	1517	1517	1517	1517	1517	1517	1517	1517	1517	1517	1517	1517	1517
35	1325	1325	1325	1325	1325	1325	1325	1325	1325	1325	1325	1325	1325	1325	1325	1325
40	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135
45	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953
50	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789
55	649	649	649	649	649	649	649	649	649	649	649	649	649	649	649	649
60	535	535	535	535	535	535	535	535	535	535	535	535	535	535	535	535
65	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439
70	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356
75	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278
80	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195
85	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Vertical Angle (Degrees)

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

	0	45	90
0	23450	23450	23450
45	14600	14600	14600
55	12260	12260	12260
65	11250	11250	11250
75	11640	11640	11640
85	12080	12080	12080

Vertical Angle (Degrees)

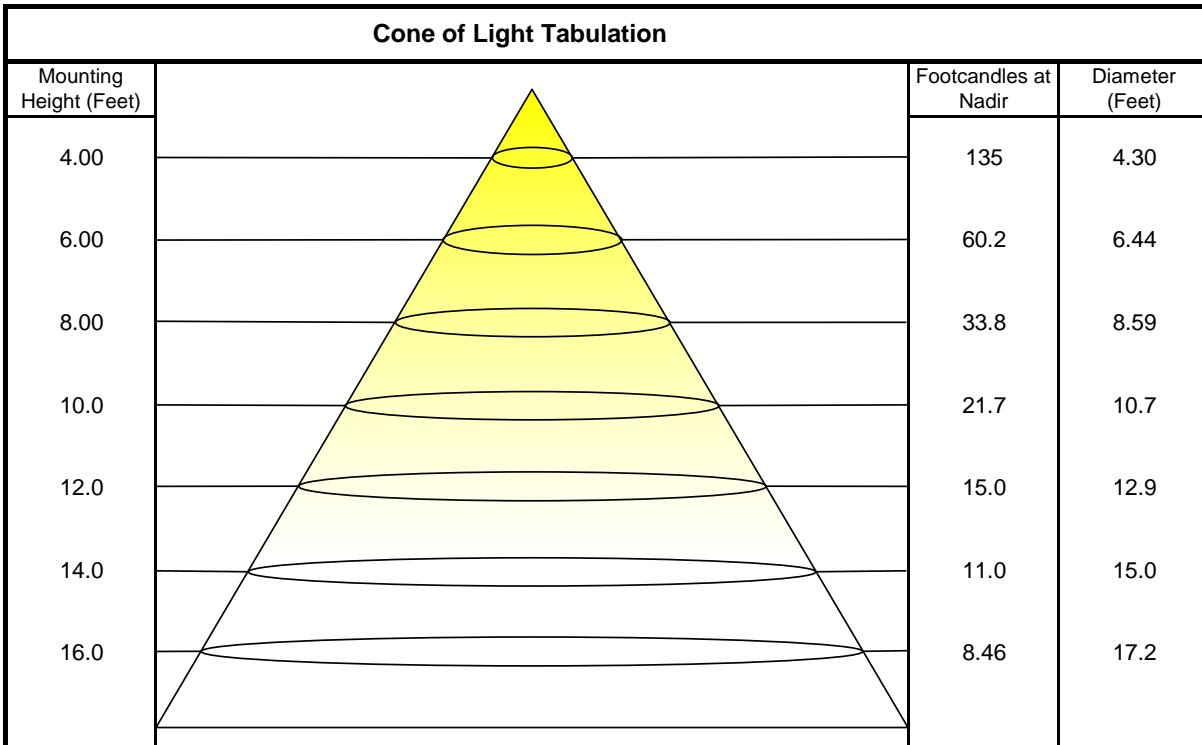


Coefficients of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42
7	68	55	46	41	66	54	46	40	52	45	40	51	45	40	50	44	40	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	36	30	55	43	35	30	42	35	30	41	35	30	40	34	30	28

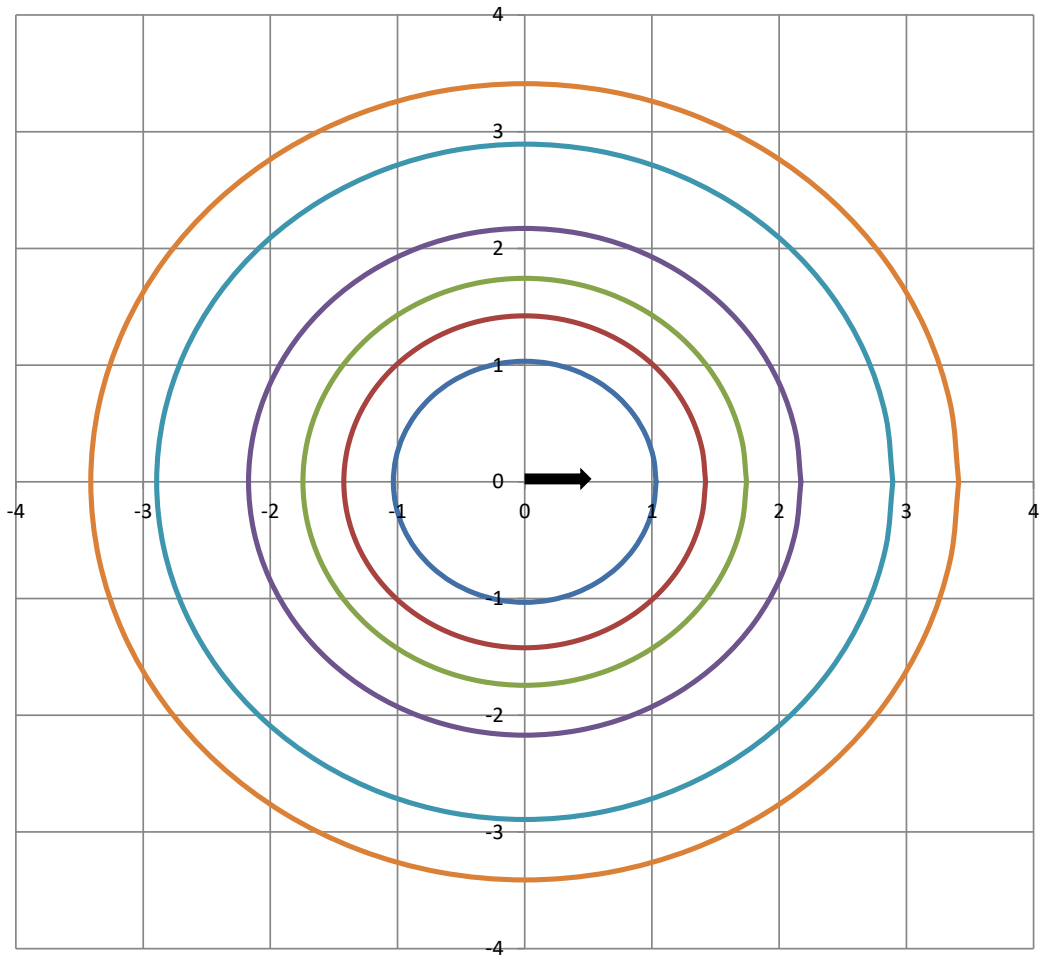
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	2165 Candela
Central Cone Intensity:	2158 Candela
Beam Flux:	2483.7 Lumens
Beam Angle (0-180):	82.9 Degrees
Beam Angle (90-270):	82.9 Degrees
Field Angle (0-180):	157.5 Degrees
Field Angle (90-270):	157.5 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

