



Distribution - Goniophotometer

Distribution Test Conditions

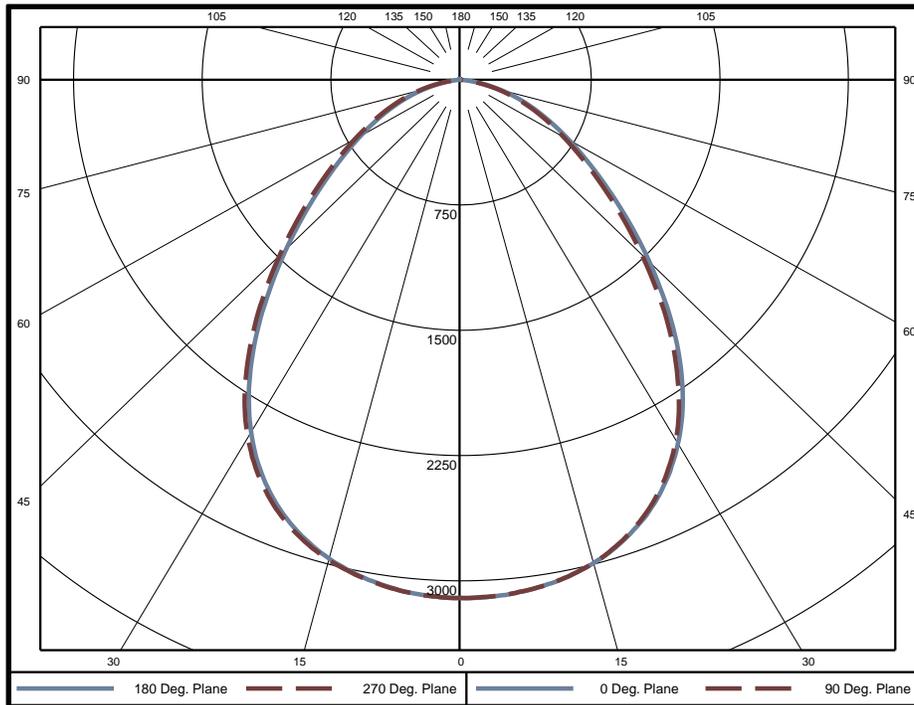
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.0 VAC	0.5704 A	68.24 W	0.997	60 Hz	7.01 %

Summary of Results

Spacing Criteria
 0-180: 1.19
 90-270: 1.19

Total Lumen Output: 6504 Lumens
Luminaire Efficacy: 95.3 lm/w
Maximum Candela: 3103 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	74.1	1.1%	60-65	295.5	4.5%	120-125	0	0.0%
5-10	219.8	3.4%	65-70	226.3	3.5%	125-130	0	0.0%
10-15	358.0	5.5%	70-75	158.3	2.4%	130-135	0	0.0%
15-20	482.5	7.4%	75-80	89.9	1.4%	135-140	0	0.0%
20-25	585.2	9.0%	80-85	27.9	0.4%	140-145	0	0.0%
25-30	656.7	10.1%	85-90	3.5	0.1%	145-150	0	0.0%
30-35	687.2	10.6%	90-95	0	0.0%	150-155	0	0.0%
35-40	671.2	10.3%	95-100	0	0.0%	155-160	0	0.0%
40-45	614.5	9.4%	100-105	0	0.0%	160-165	0	0.0%
45-50	535.1	8.2%	105-110	0	0.0%	165-170	0	0.0%
50-55	449.3	6.9%	110-115	0	0.0%	170-175	0	0.0%
55-60	369.0	5.7%	115-120	0	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	3735	57.4%
0-60	5703	87.7%
0-90	6504	100.0%
90-180	0	0.0%



Candela Tabulation

Horizontal Angle (Degrees)

Vertical Angle (Degrees)	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	3103	3103	3103	3103	3103	3103	3103	3103	3103	3103	3103	3103	3103	3103	3103	3103
5	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091
10	3052	3052	3052	3052	3052	3052	3052	3052	3052	3052	3052	3052	3052	3052	3052	3052
15	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982	2982
20	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870
25	2706	2706	2706	2706	2706	2706	2706	2706	2706	2706	2706	2706	2706	2706	2706	2706
30	2478	2478	2478	2478	2478	2478	2478	2478	2478	2478	2478	2478	2478	2478	2478	2478
35	2183	2183	2183	2183	2183	2183	2183	2183	2183	2183	2183	2183	2183	2183	2183	2183
40	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841
45	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489
50	1171	1171	1171	1171	1171	1171	1171	1171	1171	1171	1171	1171	1171	1171	1171	1171
55	908	908	908	908	908	908	908	908	908	908	908	908	908	908	908	908
60	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698	698
65	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524
70	373	373	373	373	373	373	373	373	373	373	373	373	373	373	373	373
75	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234
80	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
85	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
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

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

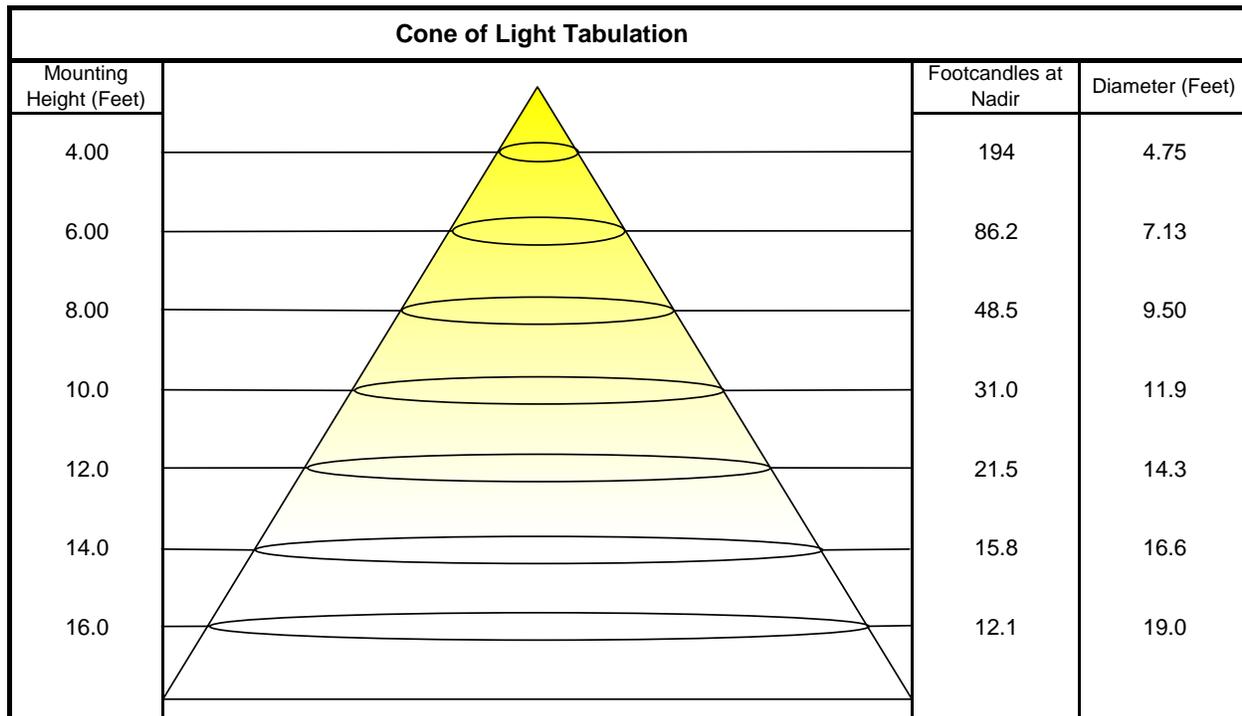
Vertical Angle (Degrees)	Horizontal Angle (Degrees)		
	0	45	90
0	4078	4078	4078
45	2767	2767	2767
55	2080	2080	2080
65	1630	1630	1630
75	1190	1190	1190
85	203	203	203



Utilization of Lumens - 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 Lumens delivered to the task surface **																	
0	7743	7743	7743	7743	7563	7563	7563	7563	7227	7227	7227	6919	6919	6919	6637	6637	6637	6504
1	7189	6926	6692	6480	7018	6781	6568	6375	6509	6335	6175	6260	6119	5988	6030	5917	5812	5683
2	6626	6161	5777	5454	6463	6042	5689	5390	5817	5522	5267	5611	5365	5149	5419	5217	5037	4907
3	6109	5504	5036	4663	5957	5405	4972	4622	5218	4848	4543	5045	4730	4467	4884	4619	4393	4262
4	5644	4947	4436	4045	5504	4863	4387	4018	4706	4293	3965	4561	4203	3914	4425	4118	3863	3734
5	5230	4473	3943	3553	5101	4403	3906	3534	4270	3833	3497	4147	3763	3462	4032	3696	3427	3300
6	4860	4067	3535	3153	4742	4008	3505	3140	3895	3448	3114	3790	3392	3089	3692	3339	3063	2940
7	4529	3718	3193	2824	4423	3668	3169	2815	3571	3122	2796	3481	3078	2777	3397	3035	2758	2638
8	4234	3417	2903	2549	4137	3373	2883	2542	3290	2845	2528	3213	2809	2514	3139	2774	2500	2384
9	3970	3154	2655	2317	3882	3117	2639	2312	3045	2607	2301	2977	2577	2290	2914	2548	2279	2168
10	3732	2924	2441	2119	3653	2892	2428	2115	2830	2402	2106	2771	2376	2098	2715	2352	2090	1983

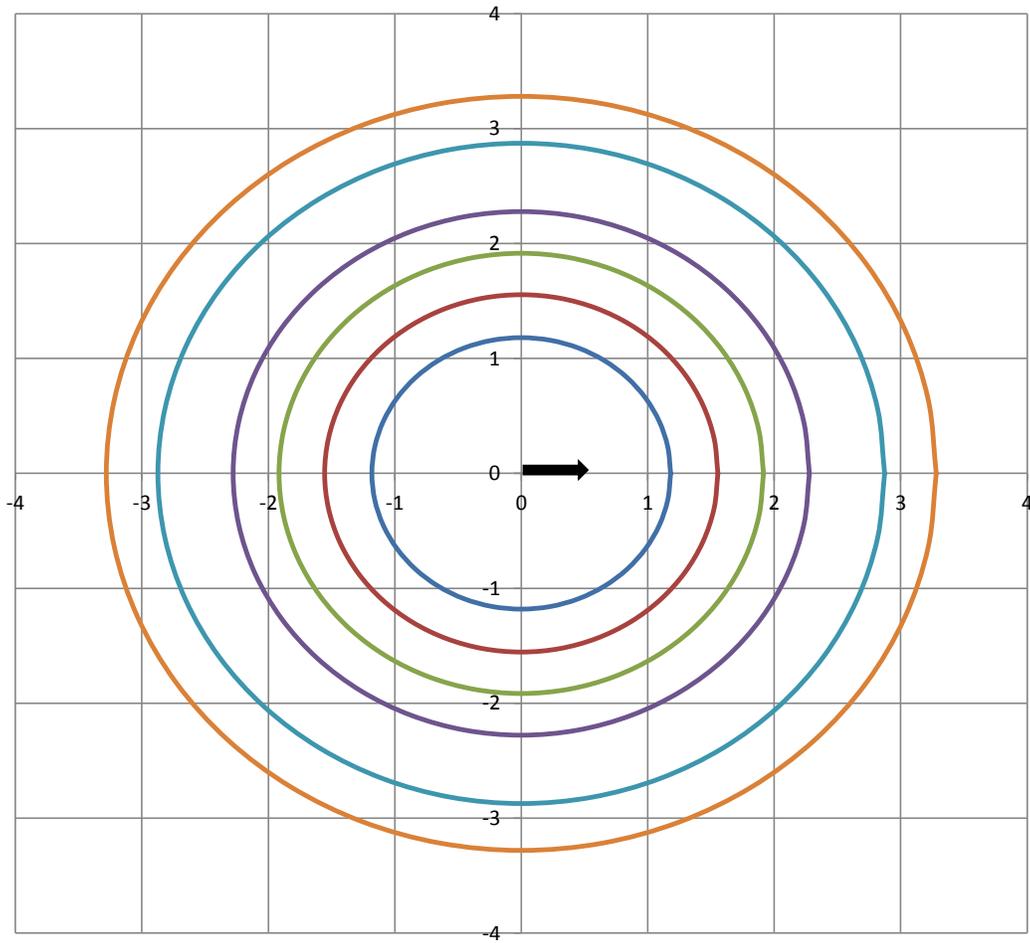
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	3103 Candela
Central Cone Intensity:	3099 Candela
Beam Flux:	4237.6 Lumens
Beam Angle (0-180):	88.2 Degrees
Beam Angle (90-270):	88.2 Degrees
Field Angle (0-180):	144.5 Degrees
Field Angle (90-270):	144.5 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

