



Distribution - Goniophotometer

Distribution Test Conditions

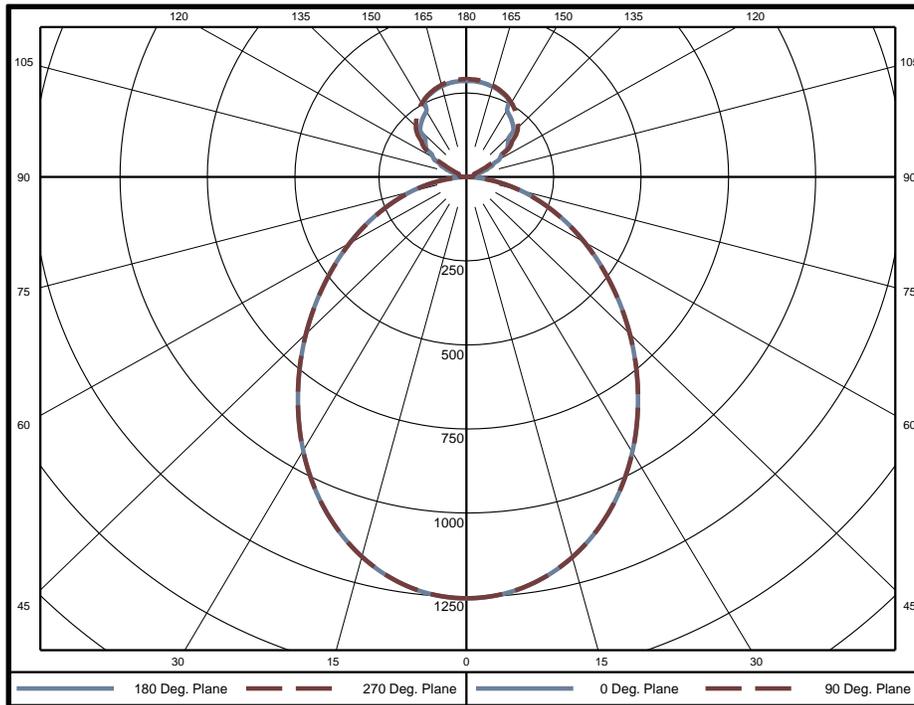
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	120.1 VAC	0.3012 A	36.02 W	0.996	60 Hz	4.83 %

Summary of Results

Spacing Criteria
 0-180: 1.14
 90-270: 1.14

Total Lumen Output: 3689 Lumens
Luminaire Efficacy: 102.4 lm/w
Maximum Candela: 1254 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	29.9	0.8%	60-65	171.2	4.6%	120-125	55.6	1.5%
5-10	88.1	2.4%	65-70	138.6	3.8%	125-130	65.6	1.8%
10-15	141.7	3.8%	70-75	104.7	2.8%	130-135	71.5	1.9%
15-20	188.0	5.1%	75-80	70.2	1.9%	135-140	75.2	2.0%
20-25	224.9	6.1%	80-85	35.9	1.0%	140-145	74.0	2.0%
25-30	251.0	6.8%	85-90	7.1	0.2%	145-150	70.8	1.9%
30-35	265.5	7.2%	90-95	11.4	0.3%	150-155	66.0	1.8%
35-40	269.0	7.3%	95-100	12.7	0.3%	155-160	56.9	1.5%
40-45	262.9	7.1%	100-105	14.1	0.4%	160-165	46.0	1.2%
45-50	248.4	6.7%	105-110	16.6	0.4%	165-170	33.8	0.9%
50-55	227.0	6.2%	110-115	25.7	0.7%	170-175	20.6	0.6%
55-60	200.9	5.4%	115-120	40.8	1.1%	175-180	6.9	0.2%

Zone	Lumens	% of Luminaire
0-40	1458	39.5%
0-60	2397	65.0%
0-90	2925	79.3%
90-180	764	20.7%



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	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254
5	1245	1244	1244	1245	1245	1245	1244	1244	1245	1244	1244	1245	1245	1245	1244	1244
10	1217	1217	1217	1217	1217	1217	1217	1217	1217	1217	1217	1217	1217	1217	1217	1217
15	1172	1171	1172	1171	1172	1171	1172	1171	1172	1171	1172	1171	1172	1171	1172	1171
20	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110
25	1036	1035	1035	1035	1035	1035	1035	1035	1036	1035	1035	1035	1035	1035	1035	1035
30	949	949	949	949	950	949	949	949	949	949	949	949	950	949	949	949
35	855	855	855	855	856	855	855	855	855	855	855	855	856	855	855	855
40	759	759	759	759	760	759	759	759	759	759	759	759	760	759	759	759
45	663	663	663	662	663	662	663	663	663	663	663	662	663	662	663	663
50	568	569	569	568	568	568	569	569	568	569	569	568	568	568	569	569
55	478	479	478	477	477	477	478	479	478	479	478	477	477	477	478	479
60	394	394	393	392	392	392	393	394	394	394	393	392	392	392	393	394
65	313	313	312	312	311	312	312	313	313	313	312	312	312	311	312	313
70	238	237	236	236	235	236	236	237	238	237	236	236	236	235	236	237
75	167	166	165	165	164	165	165	166	167	166	165	165	164	165	165	166
80	99	99	98	97	97	97	98	99	99	99	98	97	97	97	98	99
85	37	36	35	35	34	35	35	36	37	36	35	35	34	35	35	36
90	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
95	25	25	21	19	18	19	21	25	25	25	21	19	18	19	21	25
100	31	30	24	20	20	20	24	30	31	30	24	20	20	20	24	30
105	34	33	27	22	22	22	27	33	34	33	27	22	22	22	27	33
110	54	54	38	24	23	24	38	54	54	54	38	24	23	24	38	54
115	83	80	74	53	41	53	74	80	83	80	74	53	41	53	74	80
120	110	107	106	101	93	101	106	107	110	107	106	101	93	101	106	107
125	141	135	135	140	148	140	135	135	141	135	135	140	148	140	135	135
130	156	155	163	169	178	169	163	155	156	155	163	169	178	169	163	155
135	186	187	188	198	209	198	188	187	186	187	188	198	209	198	188	187
140	206	207	204	219	227	219	204	207	206	207	204	219	227	219	204	207
145	219	219	233	243	242	243	233	219	219	219	233	243	242	243	233	219
150	234	248	257	257	256	257	257	248	234	248	257	257	256	257	257	248
155	265	267	268	267	268	267	268	267	265	267	268	267	268	267	268	267
160	273	275	276	275	276	275	276	275	273	275	276	275	276	275	276	275
165	279	283	283	282	284	282	283	283	279	283	283	282	284	282	283	283
170	284	287	288	287	289	287	288	287	284	287	288	287	289	287	288	287
175	286	289	291	290	291	290	291	289	286	289	291	290	291	290	291	289
180	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

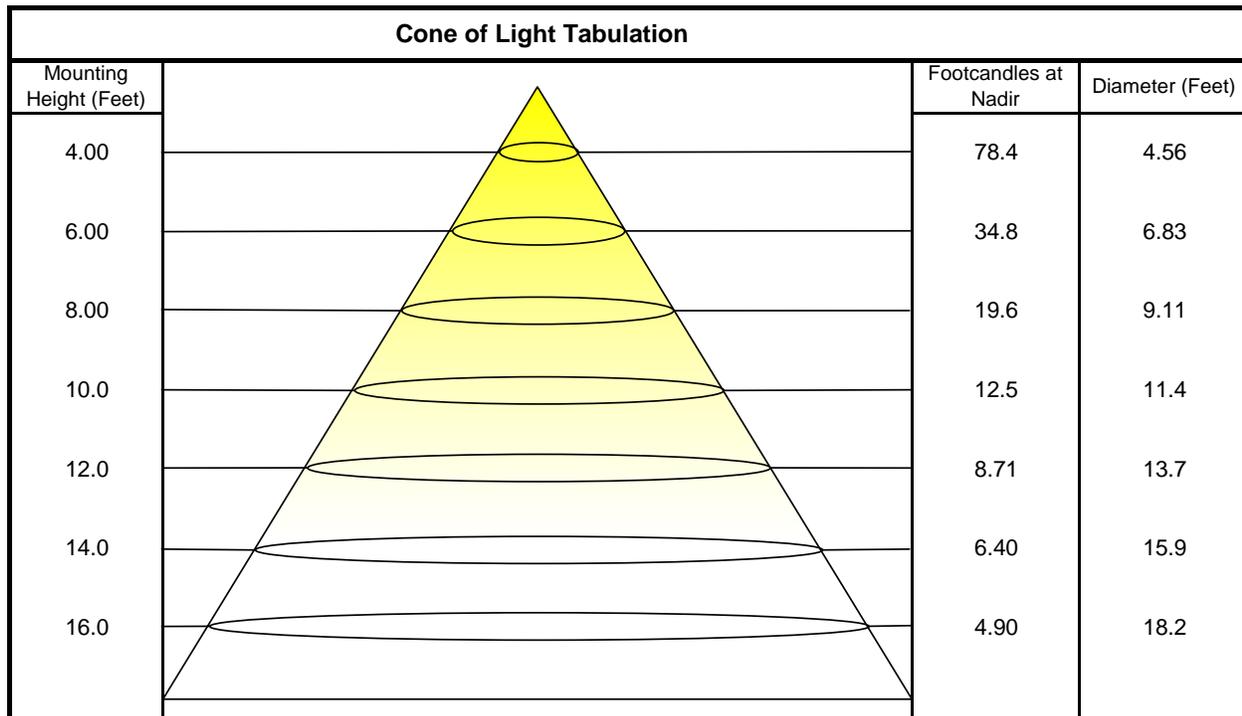
	0	45	90
0	9088	9088	9088
45	2936	2936	2936
55	2100	2100	2096
65	1407	1404	1397
75	792	783	780
85	191	182	179



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	4210	4210	4210	4210	4023	4023	4023	4023	3675	3675	3675	3356	3356	3356	3063	3063	3063	2925
1	3860	3697	3551	3420	3684	3540	3410	3293	3246	3144	3051	2975	2897	2824	2726	2666	2611	2485
2	3525	3244	3010	2814	3360	3110	2900	2723	2858	2691	2546	2627	2494	2377	2412	2308	2215	2099
3	3225	2864	2585	2362	3072	2749	2496	2292	2534	2327	2156	2334	2166	2026	2148	2014	1899	1791
4	2961	2548	2246	2016	2820	2449	2174	1961	2263	2034	1853	2090	1902	1749	1929	1775	1648	1547
5	2728	2284	1973	1744	2599	2198	1913	1700	2036	1797	1613	1886	1686	1529	1745	1579	1446	1352
6	2522	2061	1751	1529	2404	1986	1700	1492	1845	1602	1420	1713	1507	1350	1589	1416	1281	1193
7	2341	1871	1567	1354	2233	1806	1524	1323	1682	1439	1263	1566	1358	1204	1456	1280	1145	1063
8	2180	1709	1413	1210	2082	1652	1376	1184	1542	1303	1132	1439	1233	1082	1342	1164	1032	956
9	2037	1570	1283	1090	1948	1519	1251	1067	1421	1187	1023	1329	1126	979	1242	1066	936	865
10	1910	1448	1172	988	1828	1403	1144	969	1316	1088	931	1233	1034	893	1156	981	855	788

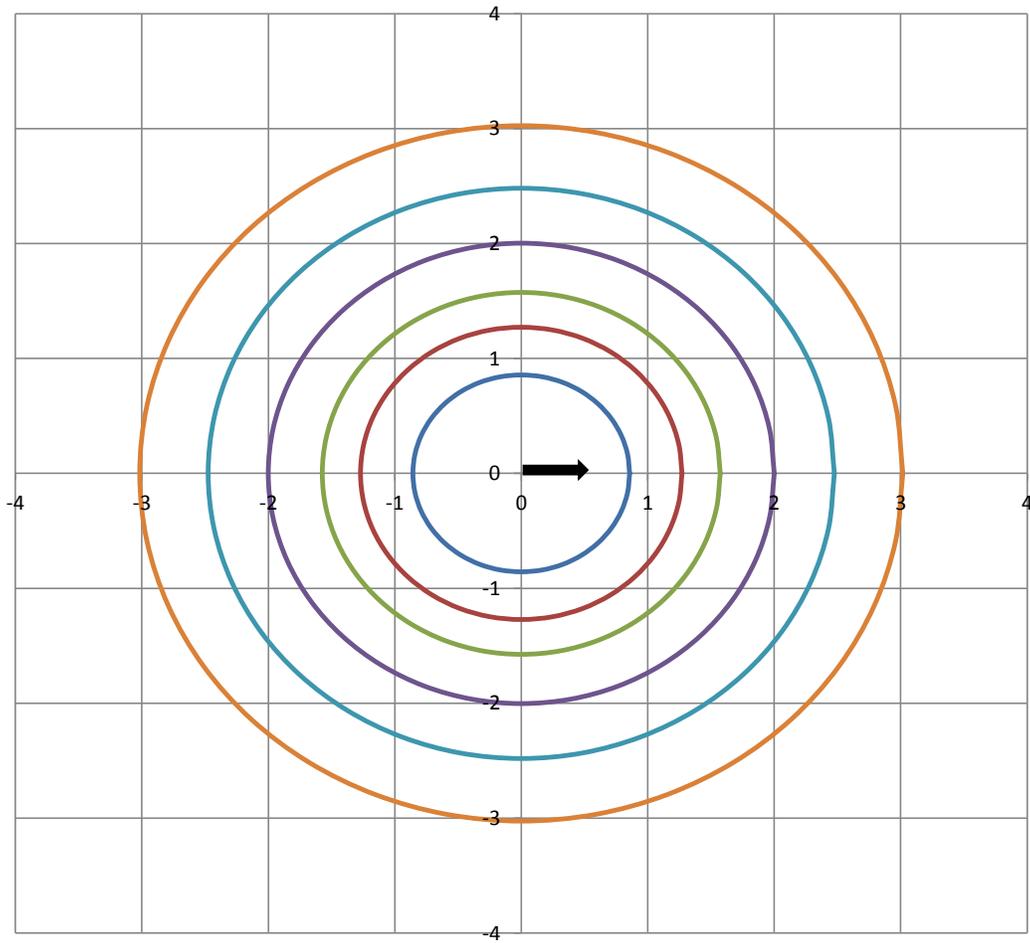
Beam and Field Information	
CIE Type:	Semi-Direct
Center Beam Intensity:	1254 Candela
Central Cone Intensity:	1251 Candela
Beam Flux:	1814.8 Lumens
Beam Angle (0-180):	93.8 Degrees
Beam Angle (90-270):	93.7 Degrees
Field Angle (0-180):	156.1 Degrees
Field Angle (90-270):	155.7 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

