



## Distribution - Goniophotometer

### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.1 VAC	0.2300 A	27.52 W	0.996	60 Hz	7.01 %

### Summary of Results

#### Spacing Criteria

0-180: 1.18  
90-270: 1.18

#### Total Lumen Output:

2208 Lumens

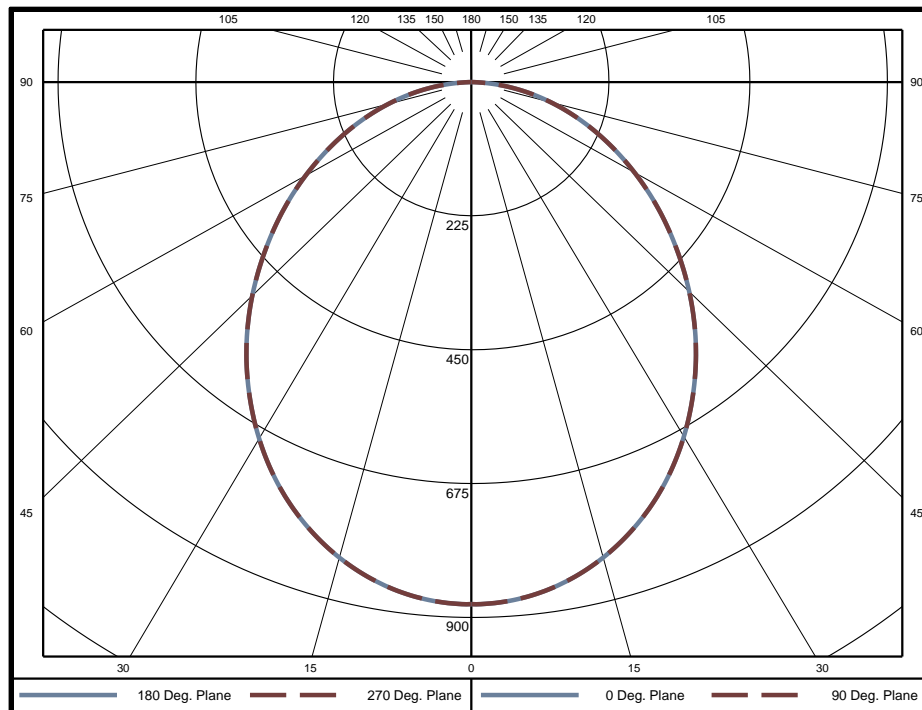
#### Luminaire Efficacy:

80.2 lm/w

#### Maximum Candela:

878 Candela

### Polar Plot



### Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	20.9	0.9%	60-65	135.3	6.1%	120-125	0	0.0%
5-10	61.8	2.8%	65-70	111.3	5.0%	125-130	0	0.0%
10-15	99.9	4.5%	70-75	85.8	3.9%	130-135	0	0.0%
15-20	133.4	6.0%	75-80	59.5	2.7%	135-140	0	0.0%
20-25	161.0	7.3%	80-85	33.0	1.5%	140-145	0	0.0%
25-30	181.7	8.2%	85-90	8.5	0.4%	145-150	0	0.0%
30-35	194.6	8.8%	90-95	0	0.0%	150-155	0	0.0%
35-40	200.1	9.1%	95-100	0	0.0%	155-160	0	0.0%
40-45	198.3	9.0%	100-105	0	0.0%	160-165	0	0.0%
45-50	189.6	8.6%	105-110	0	0.0%	165-170	0	0.0%
50-55	175.6	8.0%	110-115	0	0.0%	170-175	0	0.0%
55-60	157.3	7.1%	115-120	0	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	1053	47.7%
0-60	1774	80.4%
0-90	2208	100.0%
90-180	0	0.0%



**Candela Tabulation**  
Horizontal Angle (Degrees)

Vertical 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	877.7	877.7	877.7	877.7	877.7	877.7	877.7	877.7	877.7	877.7	877.7	877.7	877.7	877.7	877.7
	5	872.5	872.5	872.5	872.5	872.5	872.5	872.5	872.5	872.5	872.5	872.5	872.5	872.5	872.5	872.5
	10	855.5	855.5	855.5	855.5	855.5	855.5	855.5	855.5	855.5	855.5	855.5	855.5	855.5	855.5	855.5
	15	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0
	20	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7	790.7
	25	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9
	30	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9	690.9
	35	631.4	631.4	631.4	631.4	631.4	631.4	631.4	631.4	631.4	631.4	631.4	631.4	631.4	631.4	631.4
	40	568.6	568.6	568.6	568.6	568.6	568.6	568.6	568.6	568.6	568.6	568.6	568.6	568.6	568.6	568.6
	45	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9	502.9
	50	436.5	436.5	436.5	436.5	436.5	436.5	436.5	436.5	436.5	436.5	436.5	436.5	436.5	436.5	436.5
	55	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2	372.2
	60	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1	309.1
	65	248.7	248.7	248.7	248.7	248.7	248.7	248.7	248.7	248.7	248.7	248.7	248.7	248.7	248.7	248.7
	70	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7	191.7
	75	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3	137.3
	80	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
	85	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
	90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Average Luminance (cd/m<sup>2</sup>)**  
Horizontal Angle (Degrees)

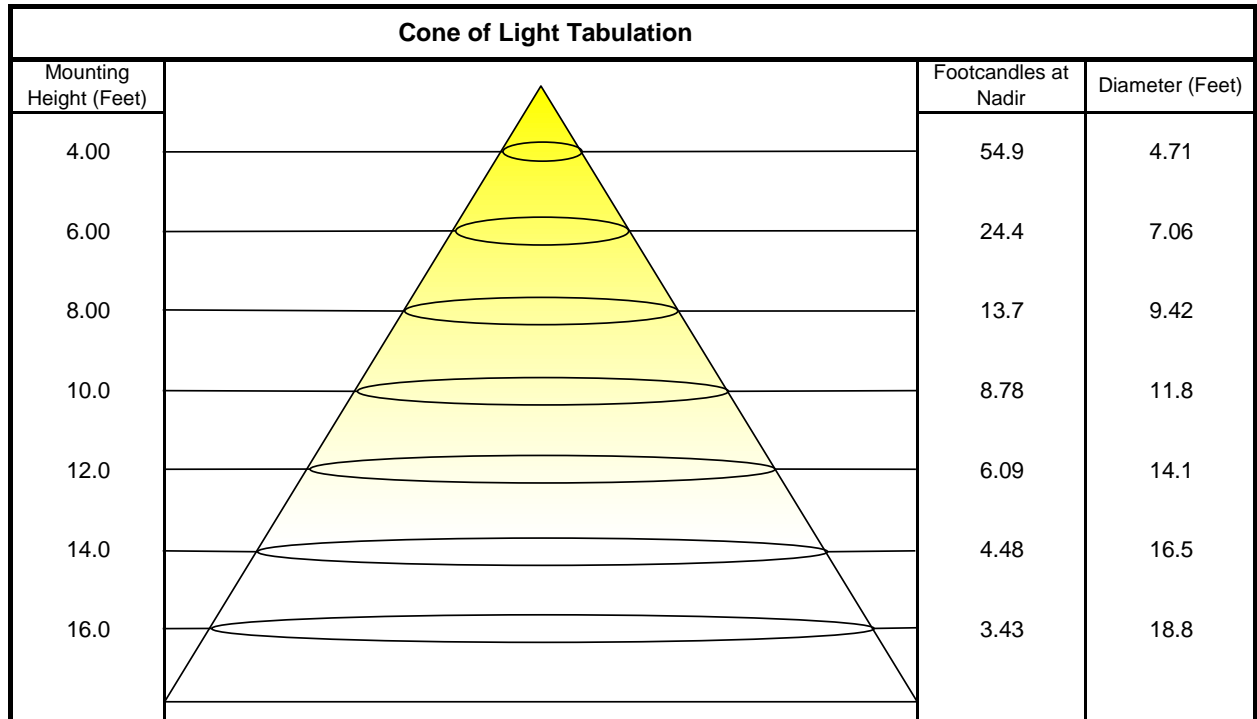
Vertical Angle (Degrees)	0	45	90
	0	11090	11090
	45	8983	8983
	55	8196	8196
	65	7434	7434
	75	6701	6701
	85	5266	5266



### 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	2628	2628	2628	2628	2567	2567	2567	2567	2453	2453	2453	2349	2349	2349	2253	2253	2253	2208
1	2406	2302	2210	2126	2346	2252	2168	2091	2159	2089	2025	2072	2016	1963	1993	1947	1905	1859
2	2194	2015	1867	1743	2136	1973	1837	1722	1895	1781	1682	1823	1727	1643	1756	1677	1607	1559
3	2005	1776	1599	1458	1950	1741	1577	1445	1676	1535	1420	1615	1495	1395	1559	1458	1371	1323
4	1840	1579	1389	1243	1789	1550	1372	1235	1495	1340	1217	1444	1310	1201	1396	1280	1185	1137
5	1695	1416	1221	1077	1649	1391	1208	1071	1345	1183	1059	1301	1159	1047	1261	1136	1036	990
6	1568	1279	1084	945	1526	1258	1074	940	1218	1054	932	1181	1035	924	1146	1017	916	871
7	1456	1162	972	838	1419	1145	963	835	1111	948	829	1079	932	823	1049	917	817	773
8	1358	1063	878	751	1323	1048	871	748	1019	858	744	991	846	739	966	834	735	693
9	1270	978	799	678	1239	965	793	676	940	783	673	916	772	669	894	762	666	626
10	1192	904	732	617	1164	893	727	615	871	718	613	850	709	610	831	701	607	569

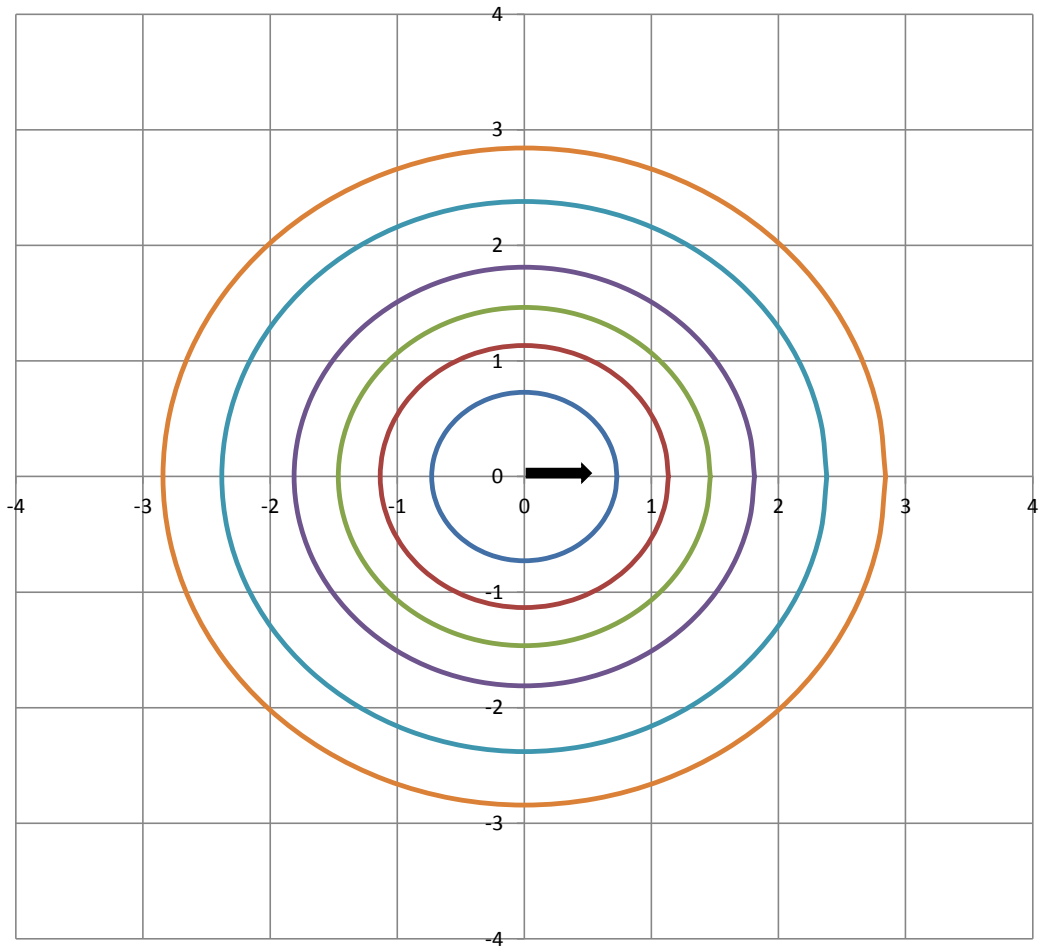
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	877.7 Candela
Central Cone Intensity:	876 Candela
Beam Flux:	1435.8 Lumens
Beam Angle (0-180):	99.6 Degrees
Beam Angle (90-270):	99.6 Degrees
Field Angle (0-180):	159.6 Degrees
Field Angle (90-270):	159.6 Degrees





## ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

— 5 fc    — 2 fc    — 1 fc    — 0.5 fc    — 0.2 fc    — 0.1 fc