



Distribution - Goniophotometer

Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.1 VAC	0.2887 A	34.57 W	0.997	60 Hz	0.0630 %

Summary of Results

Spacing Criteria

0-180: 2.02

90-270: 2.02

Total Lumen Output:

2863 Lumens

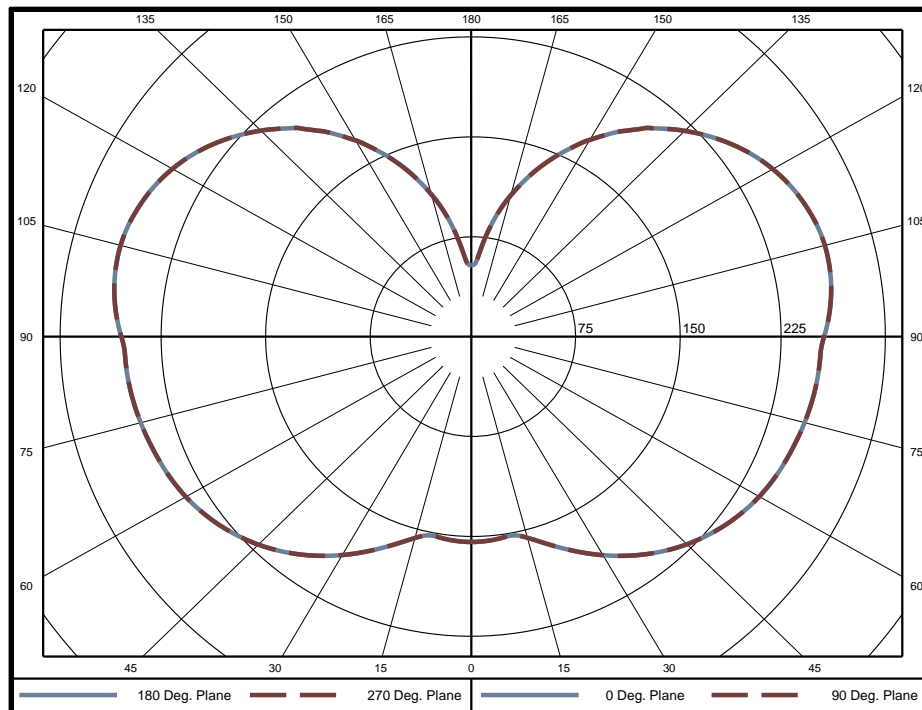
Luminaire Efficacy:

82.8 lm/w

Maximum Candela:

264 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	3.7	0.1%	60-65	117.8	4.1%	120-125	114.3	4.0%
5-10	10.9	0.4%	65-70	124.3	4.3%	125-130	103.1	3.6%
10-15	18.2	0.6%	70-75	129.6	4.5%	130-135	90.9	3.2%
15-20	26.6	0.9%	75-80	133.9	4.7%	135-140	78.3	2.7%
20-25	36.1	1.3%	80-85	136.9	4.8%	140-145	65.5	2.3%
25-30	46.5	1.6%	85-90	138.5	4.8%	145-150	52.8	1.8%
30-35	57.5	2.0%	90-95	141.1	4.9%	150-155	40.8	1.4%
35-40	68.8	2.4%	95-100	142.4	5.0%	155-160	29.7	1.0%
40-45	80.0	2.8%	100-105	141.3	4.9%	160-165	19.9	0.7%
45-50	90.8	3.2%	105-110	137.8	4.8%	165-170	11.7	0.4%
50-55	100.8	3.5%	110-115	131.8	4.6%	170-175	5.4	0.2%
55-60	109.9	3.8%	115-120	123.9	4.3%	175-180	1.4	0.0%

Zone	Lumens	% of Luminaire
0-40	268	9.4%
0-60	650	22.7%
0-90	1431	50.0%
90-180	1432	50.0%



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	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8	153.8
	5	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7	153.7
	10	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1	152.1
	15	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
	20	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4	166.4
	25	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8
	30	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5	189.5
	35	200.8	200.8	200.8	200.8	200.8	200.8	200.8	200.8	200.8	200.8	200.8	200.8	200.8	200.8	200.8
	40	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2
	45	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5	220.5
	50	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4	228.4
	55	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0
	60	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2
	65	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0	244.0
	70	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7
	75	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2
	80	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2
	85	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3
	90	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8
	95	260.2	260.2	260.2	260.2	260.2	260.2	260.2	260.2	260.2	260.2	260.2	260.2	260.2	260.2	260.2
	100	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4
	105	264.3	264.3	264.3	264.3	264.3	264.3	264.3	264.3	264.3	264.3	264.3	264.3	264.3	264.3	264.3
	110	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3
	115	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0
	120	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4
	125	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4	242.4
	130	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2
	135	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3	218.3
	140	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1
	145	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0	188.0
	150	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4
	155	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2
	160	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0
	165	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5
	170	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
	175	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
	180	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6

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

Vertical Angle (Degrees)	0	45	90
	0	1549	1549
	45	1254	1254
	55	1311	1311
	65	1376	1376
	75	1467	1467
	85	1604	1604



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	3067	3067	3067	3067	2829	2829	2829	2829	2385	2385	2385	1979	1979	1979	1606	1606	1606	1431
1	2662	2479	2315	2167	2432	2272	2128	1997	1885	1774	1673	1530	1446	1368	1202	1140	1082	922
2	2370	2090	1859	1664	2156	1912	1707	1533	1576	1418	1281	1267	1147	1041	982	892	811	668
3	2131	1794	1534	1326	1935	1640	1408	1222	1348	1168	1019	1079	940	823	829	724	634	507
4	1931	1561	1291	1084	1751	1427	1185	999	1172	983	832	937	789	670	717	605	512	400
5	1759	1373	1103	903	1595	1255	1013	832	1033	841	693	825	675	557	632	517	424	324
6	1612	1219	955	765	1462	1115	878	705	919	729	587	736	586	472	564	449	358	268
7	1484	1091	835	657	1347	999	769	606	825	640	505	662	515	405	509	395	307	227
8	1372	983	738	569	1247	901	680	525	746	566	438	601	457	352	464	351	267	194
9	1274	891	657	499	1159	819	606	460	680	506	384	549	409	309	425	315	235	169
10	1187	813	589	440	1082	748	544	406	622	455	340	504	369	274	393	286	209	148

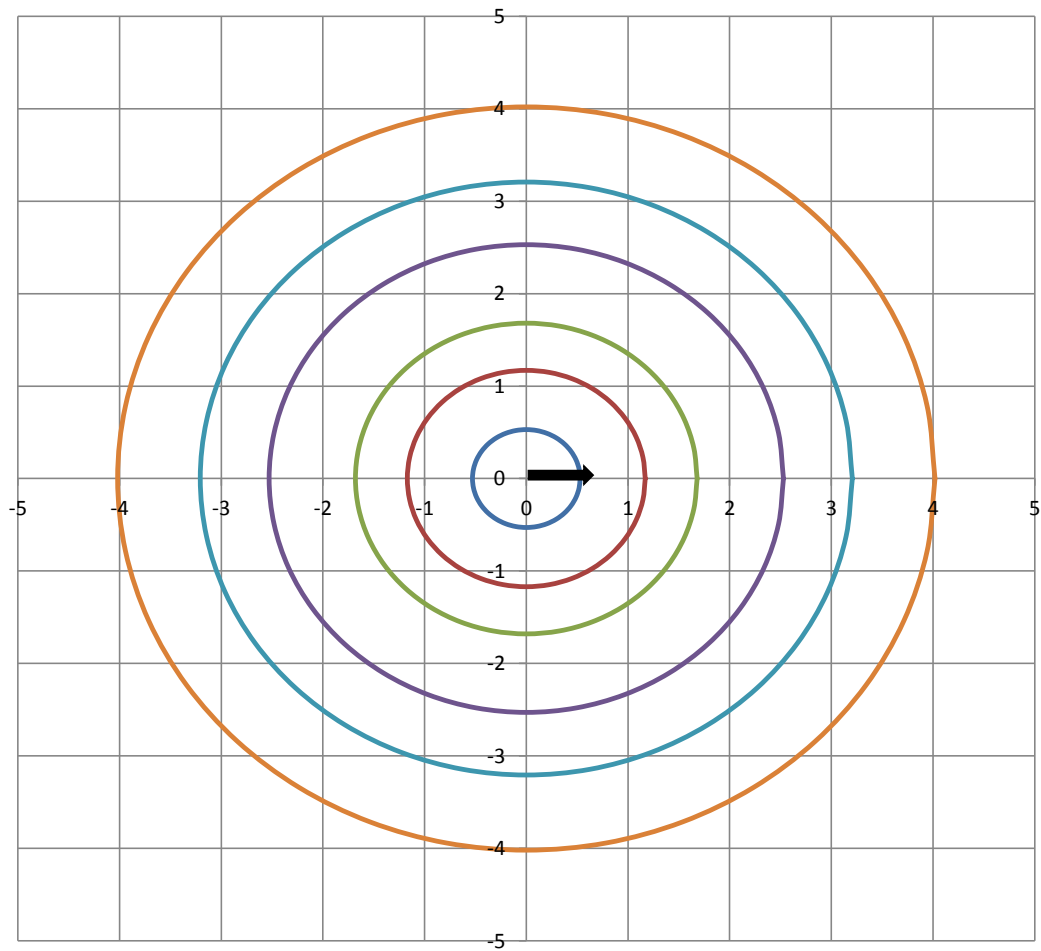
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	153.8 Candela
Central Cone Intensity:	154 Candela
Beam Flux:	2858.8 Lumens
Beam Angle (0-180):	343.8 Degrees
Beam Angle (90-270):	343.8 Degrees
Field Angle (0-180):	#REF! Degrees
Field Angle (90-270):	#REF! Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		9.61	8.08
6.00		4.27	12.1
8.00		2.40	16.2
10.0		1.54	20.2
12.0		1.07	24.3
14.0		0.785	28.3
16.0		0.601	32.3



ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

— 2 fc — 1 fc — 0.5 fc — 0.2 fc — 0.1 fc — 0.05 fc