



Distribution - Goniophotometer

Distribution Test Conditions

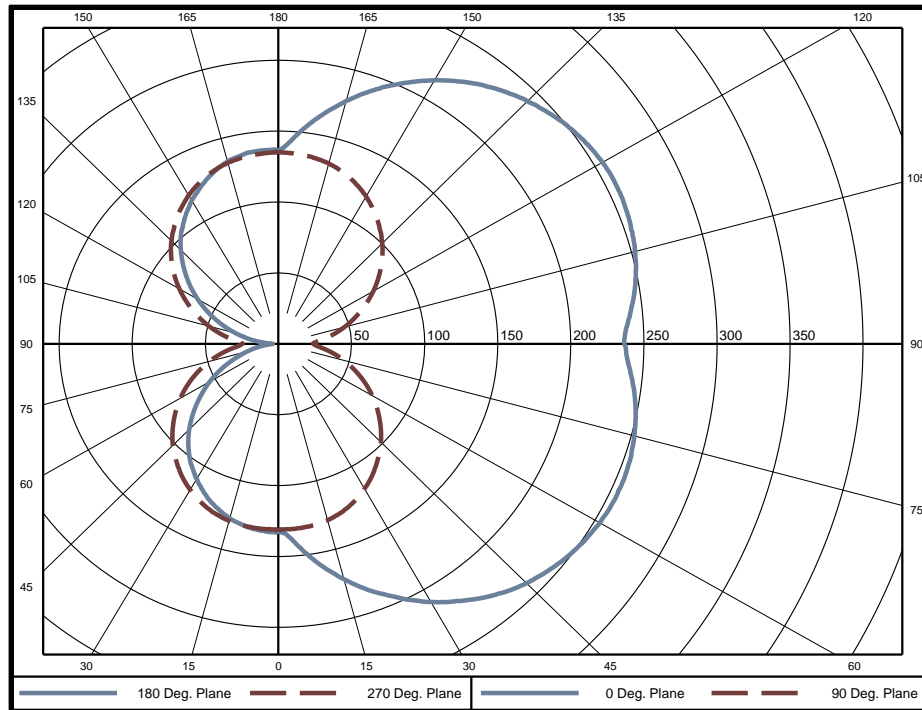
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.0 VAC	0.1445 A	17.24 W	0.994	60 Hz	6.40 %

Summary of Results

Spacing Criteria
 0-180: 2.36
 90-270: 1.24

Total Lumen Output: 1461 Lumens
Luminaire Efficacy: 84.7 lm/w
Maximum Candela: 257 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	3.20	0.2%	60-65	55.28	3.8%	120-125	57.02	3.9%
5-10	9.79	0.7%	65-70	53.99	3.7%	125-130	56.20	3.8%
10-15	16.60	1.1%	70-75	52.10	3.6%	130-135	54.31	3.7%
15-20	23.40	1.6%	75-80	49.68	3.4%	135-140	51.38	3.5%
20-25	29.99	2.1%	80-85	46.60	3.2%	140-145	47.38	3.2%
25-30	36.16	2.5%	85-90	43.63	3.0%	145-150	42.43	2.9%
30-35	41.75	2.9%	90-95	43.78	3.0%	150-155	36.76	2.5%
35-40	46.64	3.2%	95-100	47.30	3.2%	155-160	30.53	2.1%
40-45	50.56	3.5%	100-105	50.74	3.5%	160-165	23.87	1.6%
45-50	53.40	3.7%	105-110	53.46	3.7%	165-170	16.95	1.2%
50-55	55.06	3.8%	110-115	55.47	3.8%	170-175	10.03	0.7%
55-60	55.62	3.8%	115-120	56.74	3.9%	175-180	3.28	0.2%

Zone	Lumens	% of Luminaire
0-40	208	14.2%
0-60	422	28.9%
0-90	723	49.5%
90-180	738	50.5%



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	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3
	5	141.8	144.0	139.2	134.2	131.0	130.8	131.3	131.7	132.3	131.7	131.3	130.8	131.0	134.2	139.2
	10	157.2	157.5	148.9	137.9	130.4	129.0	129.6	130.0	130.2	130.0	129.6	129.0	130.4	137.9	148.9
	15	171.6	170.6	157.9	141.1	129.2	126.0	126.7	127.4	127.3	127.4	126.7	126.0	129.2	141.1	157.9
	20	185.5	182.6	166.1	143.4	126.8	122.2	122.8	123.2	122.7	123.2	122.8	122.2	126.8	143.4	166.1
	25	198.0	193.7	173.0	144.4	123.4	117.1	117.8	118.0	117.1	118.0	117.8	117.1	123.4	144.4	173.0
	30	210.3	203.7	178.5	144.3	119.0	111.0	111.4	111.6	110.3	111.6	111.4	111.0	119.0	144.3	178.5
	35	221.1	212.8	183.2	143.3	113.7	104.2	104.3	104.3	103.3	104.3	104.3	104.2	113.7	143.3	183.2
	40	231.1	220.4	186.8	141.1	107.4	96.7	96.0	95.8	94.7	95.8	96.0	96.7	107.4	141.1	186.8
	45	239.4	226.7	189.0	138.1	100.7	88.0	86.2	85.7	85.3	85.7	86.2	88.0	100.7	138.1	189.0
	50	245.4	231.3	190.0	134.1	93.0	78.9	74.8	74.3	74.9	74.3	74.8	78.9	93.0	134.1	190.0
	55	250.2	234.5	189.8	129.5	84.9	69.1	61.8	62.1	64.3	62.1	61.8	69.1	84.9	129.5	189.8
	60	253.6	236.2	188.6	123.9	76.2	58.2	48.4	51.4	53.8	51.4	48.4	58.2	76.2	123.9	188.6
	65	255.1	236.6	186.2	117.9	67.2	45.7	38.3	41.4	43.1	41.4	38.3	45.7	67.2	117.9	186.2
	70	254.5	234.4	182.0	110.7	57.7	34.2	29.9	32.0	32.2	32.0	29.9	34.2	57.7	110.7	182.0
	75	252.3	231.0	176.9	103.3	48.3	26.7	22.9	23.8	22.8	23.8	22.9	26.7	48.3	103.3	176.9
	80	248.2	226.3	170.8	95.6	38.9	19.6	16.2	16.0	14.7	16.0	16.2	19.6	38.9	95.6	170.8
	85	242.0	220.0	163.9	87.6	29.7	13.4	9.7	8.7	7.5	8.7	9.7	13.4	29.7	87.6	163.9
	90	236.8	217.2	160.5	83.0	24.2	10.1	5.3	4.1	3.7	4.1	5.3	10.1	24.2	83.0	160.5
	95	241.6	222.7	166.0	88.6	29.7	14.1	9.4	8.4	10.3	8.4	9.4	14.1	29.7	88.6	166.0
	100	248.2	229.1	173.1	96.8	39.1	21.0	17.1	17.4	20.3	17.4	17.1	21.0	39.1	96.8	173.1
	105	252.6	233.9	179.3	104.5	48.6	28.9	25.4	26.8	30.7	26.8	25.4	28.9	48.6	104.5	179.3
	110	255.6	236.9	183.8	111.6	58.1	37.3	34.4	36.4	41.4	36.4	34.4	37.3	58.1	111.6	183.8
	115	256.8	238.6	187.8	118.5	67.6	48.6	43.6	46.4	52.2	46.4	43.6	48.6	67.6	118.5	187.8
	120	256.1	238.4	190.5	125.0	77.0	60.4	53.9	56.4	63.1	56.4	53.9	60.4	77.0	125.0	190.5
	125	253.0	236.4	191.5	130.5	85.9	71.4	65.7	66.8	73.5	66.8	65.7	71.4	85.9	130.5	191.5
	130	248.2	232.1	191.3	135.2	94.3	81.4	77.3	78.1	83.6	78.1	77.3	81.4	94.3	135.2	191.3
	135	241.7	227.1	189.8	139.1	102.2	90.7	88.4	89.0	93.3	89.0	88.4	90.7	102.2	139.1	189.8
	140	234.3	220.7	187.8	142.3	109.1	99.5	98.6	99.1	102.3	99.1	98.6	99.5	109.1	142.3	187.8
	145	225.2	212.8	184.0	144.4	115.4	107.0	106.9	107.4	109.8	107.4	106.9	107.0	115.4	144.4	184.0
	150	214.7	203.7	179.3	145.7	121.1	114.2	114.5	114.9	117.0	114.9	114.5	114.2	121.1	145.7	179.3
	155	203.1	193.8	173.9	146.0	125.6	120.0	121.0	121.3	123.2	121.3	121.0	120.0	125.6	146.0	173.9
	160	190.4	182.6	167.2	145.1	129.4	125.7	126.3	126.8	128.5	126.8	126.3	125.7	129.4	145.1	167.2
	165	177.1	170.8	159.2	143.4	132.1	129.9	130.3	131.2	133.1	131.2	130.3	129.9	132.1	143.4	159.2
	170	162.9	158.0	150.4	140.3	133.9	133.1	133.5	133.8	135.7	133.8	133.5	133.1	140.3	150.4	158.0
	175	148.2	144.4	140.9	137.1	134.5	135.1	135.3	135.7	136.8	135.7	135.3	135.1	140.9	140.9	144.4
	180	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1

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

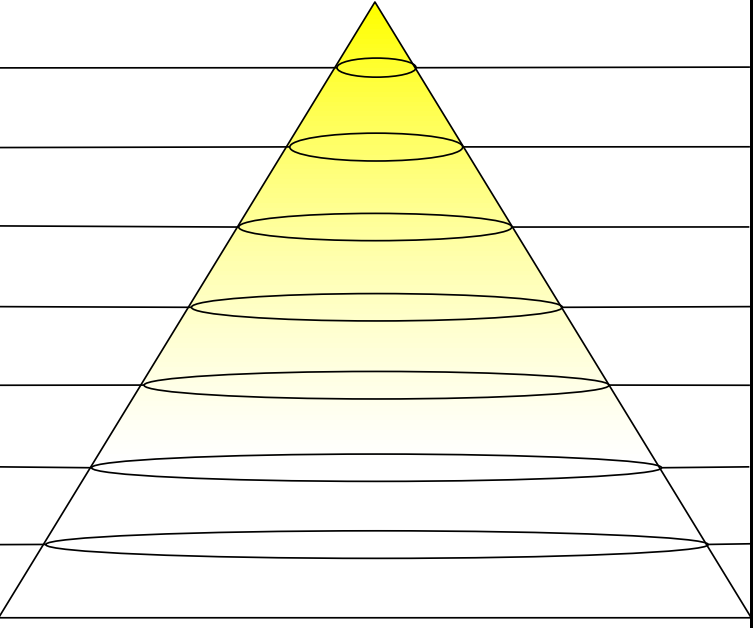
Vertical Angle (Degrees)	0	45	90
	0	1451	1451
	45	3713	2932
	55	4784	3629
	65	6621	4832
	75	10690	7496
	85	30460	20630



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	1564	1564	1564	1564	1442	1442	1442	1442	1214	1214	1214	1005	1005	1005	813	813	813	723
1	1384	1302	1228	1162	1267	1196	1132	1074	999	951	906	818	782	749	650	625	600	520
2	1242	1113	1005	915	1134	1022	927	847	851	779	716	693	639	592	547	508	473	402
3	1123	964	840	742	1024	885	776	688	736	652	583	599	535	482	471	424	384	321
4	1021	844	714	615	930	775	660	571	645	556	484	525	456	401	413	362	319	263
5	933	745	614	518	849	685	569	481	572	480	409	466	395	339	367	313	270	220
6	856	664	535	443	780	611	496	412	511	419	351	417	346	291	330	275	233	188
7	789	596	471	383	720	549	437	357	460	370	305	377	306	253	299	244	203	163
8	730	538	418	335	667	497	388	312	417	330	267	343	273	222	273	219	179	142
9	679	489	373	295	620	452	347	275	381	296	236	314	246	197	251	198	159	126
10	633	447	336	262	579	413	312	244	349	267	210	289	223	176	232	180	143	113

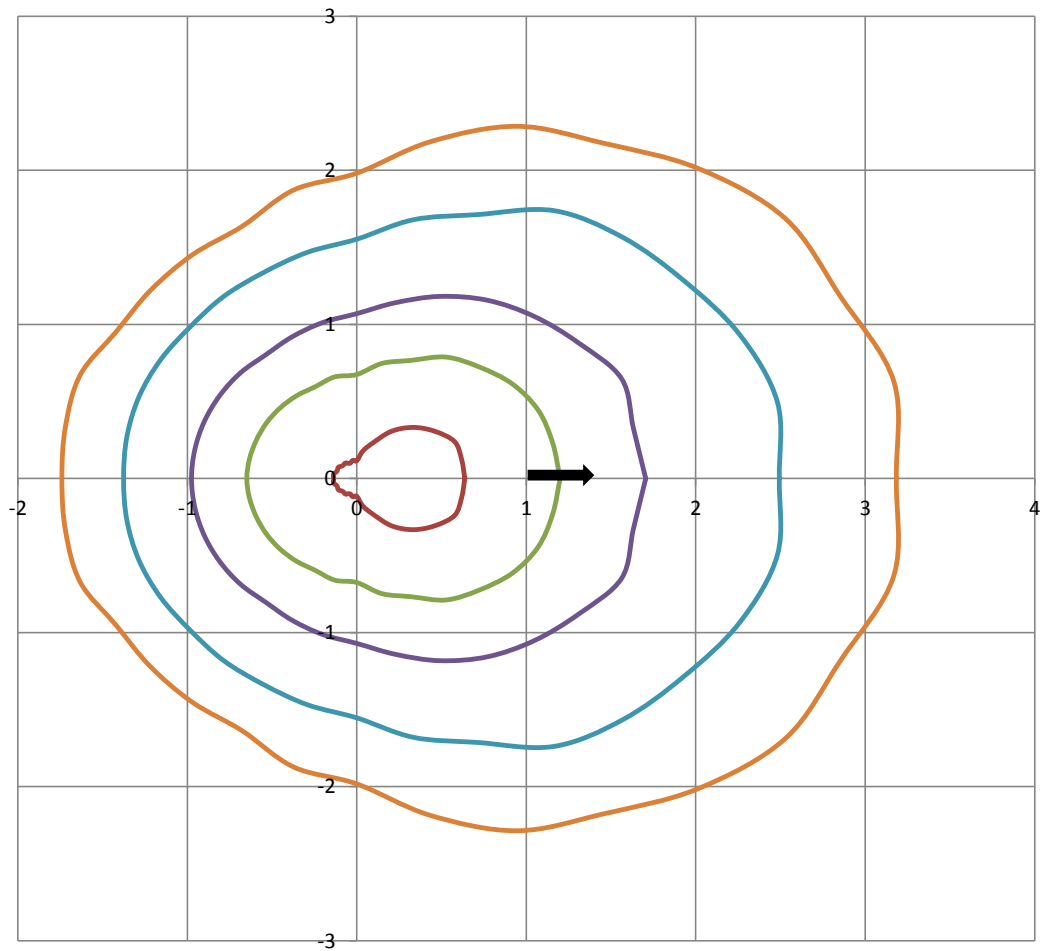
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	132.3 Candela
Central Cone Intensity:	133 Candela
Beam Flux:	1337.4 Lumens
Beam Angle (0-180):	N/A Degrees
Beam Angle (90-270):	131.1 Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	N/A Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		8.27	6.41
6.00		3.68	9.61
8.00		2.07	12.8
10.0		1.32	16.0
12.0		0.919	19.2
14.0		0.675	22.4
16.0		0.517	25.6



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