



Distribution - Goniophotometer

Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.2 °C	120.1 VAC	0.2051 A	24.53 W	0.996	60 Hz	5.85 %

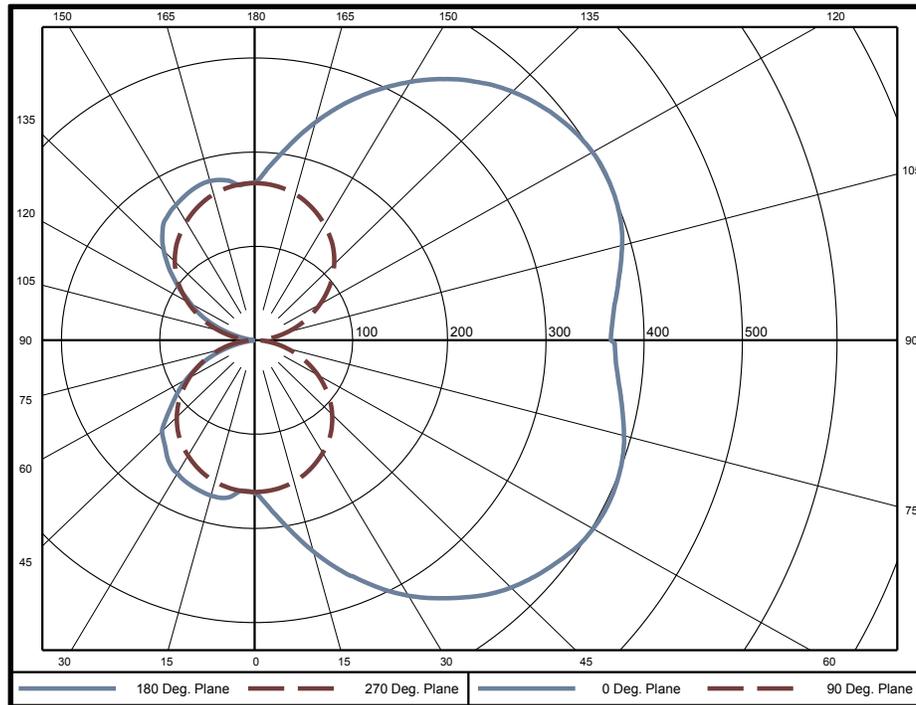
Summary of Results

Spacing Criteria
 0-180: 2.73
 90-270: 1.28

Total Lumen Output:
Luminaire Efficacy:
Maximum Candela:

2092 Lumens
 85.3 lm/w
 403 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	3.93	0.2%	60-65	83.51	4.0%	120-125	83.52	4.0%
5-10	12.20	0.6%	65-70	81.56	3.9%	125-130	82.17	3.9%
10-15	21.21	1.0%	70-75	77.65	3.7%	130-135	78.97	3.8%
15-20	30.66	1.5%	75-80	72.16	3.4%	135-140	74.08	3.5%
20-25	40.24	1.9%	80-85	66.22	3.2%	140-145	67.47	3.2%
25-30	49.62	2.4%	85-90	62.89	3.0%	145-150	59.35	2.8%
30-35	58.51	2.8%	90-95	62.76	3.0%	150-155	50.43	2.4%
35-40	66.52	3.2%	95-100	65.87	3.1%	155-160	41.04	2.0%
40-45	73.32	3.5%	100-105	71.40	3.4%	160-165	31.36	1.5%
45-50	78.57	3.8%	105-110	76.97	3.7%	165-170	21.73	1.0%
50-55	81.98	3.9%	110-115	80.85	3.9%	170-175	12.54	0.6%
55-60	83.73	4.0%	115-120	83.10	4.0%	175-180	4.05	0.2%

Zone	Lumens	% of Luminaire
0-40	283	13.5%
0-60	600	28.7%
0-90	1044	49.9%
90-180	1048	50.1%



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	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2	162.2
5	179.2	180.1	173.1	166.5	160.7	159.8	159.2	160.3	160.4	160.3	159.2	159.8	160.7	166.5	173.1	180.1
10	203.6	201.9	188.0	172.0	158.9	157.8	162.0	168.2	169.9	168.2	162.0	157.8	158.9	172.0	188.0	201.9
15	232.1	227.0	204.7	177.1	155.9	156.4	166.3	170.3	170.9	170.3	166.3	156.4	155.9	177.1	204.7	227.0
20	260.6	252.4	221.7	181.9	151.4	157.2	165.0	168.7	168.9	168.7	165.0	157.2	151.4	181.9	221.7	252.4
25	287.3	276.2	237.5	185.6	145.7	155.1	161.0	165.4	165.9	165.4	161.0	155.1	145.7	185.6	237.5	276.2
30	313.0	298.0	251.9	188.3	139.1	149.5	155.7	160.7	161.4	160.7	155.7	149.5	139.1	188.3	251.9	298.0
35	334.7	318.0	264.8	190.3	131.9	141.9	149.4	154.6	154.2	154.6	149.4	141.9	131.9	190.3	264.8	318.0
40	355.1	335.2	275.9	190.5	123.0	132.9	140.9	143.7	143.1	143.7	140.9	132.9	123.0	190.5	275.9	335.2
45	372.1	349.9	284.0	189.0	112.7	122.1	130.3	133.8	133.1	133.8	130.3	122.1	112.7	189.0	284.0	349.9
50	384.7	360.9	289.8	186.3	101.4	110.5	118.5	117.5	112.1	117.5	118.5	110.5	101.4	186.3	289.8	360.9
55	395.0	369.4	293.6	182.1	88.8	98.7	106.2	98.1	95.1	98.1	106.2	98.7	88.8	182.1	293.6	369.4
60	401.8	374.2	294.0	175.7	75.9	87.2	85.5	81.4	78.2	81.4	85.5	87.2	75.9	175.7	294.0	374.2
65	403.4	374.1	291.6	168.6	62.4	73.3	67.9	63.4	60.6	63.4	67.9	73.3	62.4	168.6	291.6	374.1
70	400.5	370.0	286.3	160.2	49.3	58.0	49.7	46.2	43.1	46.2	49.7	58.0	49.3	160.2	286.3	370.0
75	393.5	362.1	277.3	152.3	35.1	39.2	32.4	28.5	25.2	28.5	32.4	39.2	35.1	152.3	277.3	362.1
80	383.6	351.3	265.6	137.7	22.5	22.4	15.7	11.6	8.9	11.6	15.7	22.4	22.5	137.7	265.6	351.3
85	374.4	341.7	254.9	125.3	11.1	9.5	3.7	2.1	2.0	2.1	3.7	9.5	11.1	125.3	254.9	341.7
90	366.6	336.1	251.0	120.9	4.9	5.0	2.5	1.9	1.8	1.9	2.5	5.0	4.9	120.9	251.0	336.1
95	371.1	340.9	256.1	127.2	11.1	8.1	2.7	2.0	1.8	2.0	2.7	8.1	11.1	127.2	256.1	340.9
100	380.8	351.2	266.9	139.8	23.2	20.8	11.2	7.2	7.0	7.2	11.2	20.8	23.2	139.8	266.9	351.2
105	391.5	363.1	279.7	153.1	36.6	36.0	26.3	21.7	21.9	21.7	26.3	36.0	36.6	153.1	279.7	363.1
110	399.0	371.7	288.9	162.9	50.4	55.5	42.1	38.9	39.6	38.9	42.1	55.5	50.4	162.9	288.9	371.7
115	402.0	375.8	294.3	171.5	64.4	73.6	59.0	55.9	57.6	55.9	59.0	73.6	64.4	171.5	294.3	375.8
120	401.1	375.3	297.2	180.3	78.1	87.6	81.0	71.5	73.4	71.5	81.0	87.6	78.1	180.3	297.2	375.3
125	395.4	370.5	296.2	185.7	91.5	100.0	101.7	92.1	91.9	92.1	101.7	100.0	91.5	185.7	296.2	370.5
130	386.2	361.8	292.1	189.5	104.4	111.8	119.6	112.5	111.1	112.5	119.6	111.8	104.4	189.5	292.1	361.8
135	374.3	350.6	286.4	192.3	115.7	124.7	132.1	131.3	130.0	131.3	132.1	124.7	115.7	192.3	286.4	350.6
140	358.1	337.2	279.4	193.7	126.0	136.4	141.9	146.2	146.4	146.2	141.9	136.4	126.0	193.7	279.4	337.2
145	338.9	319.8	268.3	193.5	134.7	145.6	151.2	155.9	157.7	155.9	151.2	145.6	134.7	193.5	268.3	319.8
150	316.8	300.4	255.6	191.5	142.7	153.2	158.7	162.5	163.8	162.5	158.7	153.2	142.7	191.5	255.6	300.4
155	292.7	278.6	241.4	188.4	149.7	158.7	165.2	168.2	168.9	168.2	165.2	158.7	149.7	188.4	241.4	278.6
160	266.9	255.0	225.5	185.0	155.9	161.2	169.6	172.9	173.4	172.9	169.6	161.2	155.9	185.0	225.5	255.0
165	239.4	229.9	208.6	180.6	160.8	161.4	170.9	174.6	175.2	174.6	170.9	161.4	160.8	180.6	208.6	229.9
170	211.6	204.7	192.1	175.3	164.2	162.9	168.3	172.4	172.7	172.4	168.3	162.9	164.2	175.3	192.1	204.7
175	186.5	183.2	177.1	169.3	166.3	165.3	165.7	165.8	165.4	165.8	165.7	165.3	166.3	169.3	177.1	183.2
180	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0

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

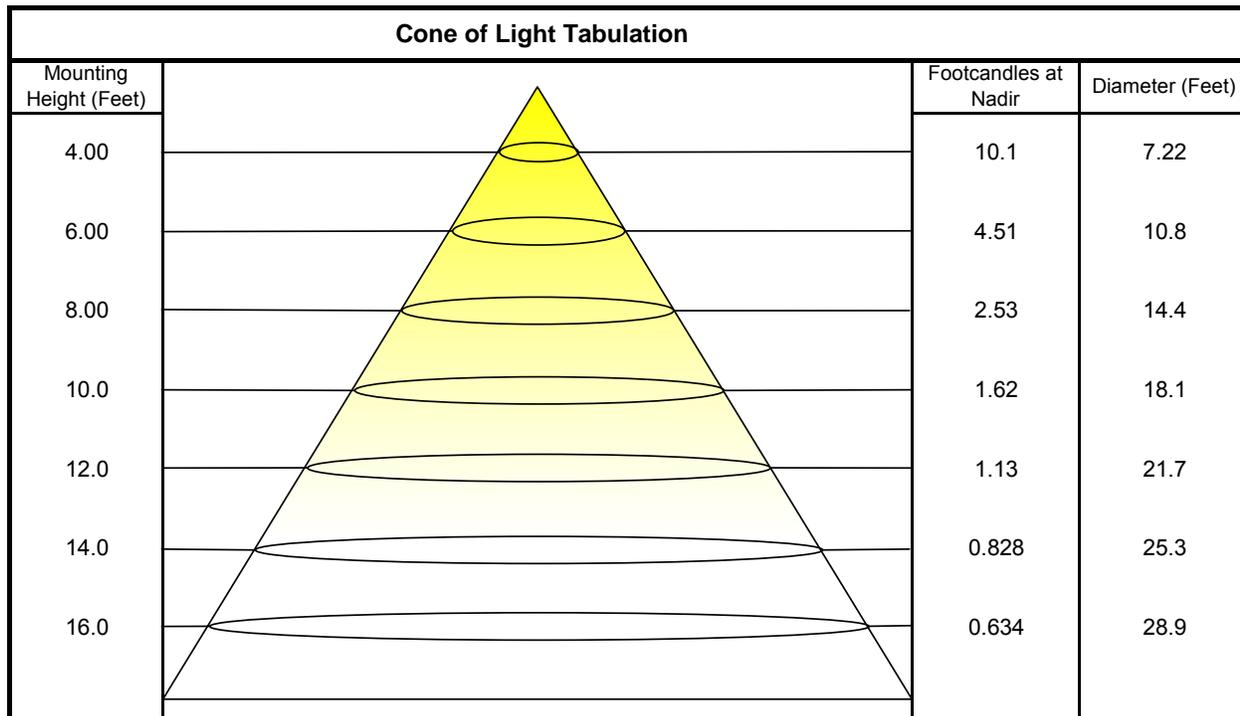
	0	45	90
0	3725	3725	3725
45	4648	4124	3188
55	4814	4250	2936
65	4947	4340	2573
75	5008	4384	2004
85	5114	4439	1083



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	2241	2241	2241	2241	2067	2067	2067	2067	1743	1743	1743	1446	1446	1446	1173	1173	1173	1044
1	1981	1863	1757	1662	1816	1713	1621	1537	1432	1362	1298	1174	1122	1074	935	898	863	748
2	1777	1590	1434	1304	1623	1460	1323	1208	1216	1112	1022	992	914	845	784	727	676	574
3	1605	1374	1196	1054	1463	1262	1104	978	1050	929	828	854	762	684	673	604	545	455
4	1457	1201	1014	871	1327	1104	937	808	919	789	686	747	648	567	588	513	451	370
5	1330	1060	871	732	1211	974	806	680	812	679	577	662	559	478	521	443	380	308
6	1220	943	757	624	1111	868	701	580	725	592	493	592	488	409	467	387	325	261
7	1124	845	665	538	1025	779	616	501	652	522	427	533	431	354	422	343	282	225
8	1040	763	589	469	949	704	546	437	591	464	373	485	384	310	385	306	248	196
9	966	693	526	413	882	640	488	385	538	415	329	443	345	274	353	276	220	172
10	900	632	472	366	823	585	439	341	493	374	292	407	312	244	326	251	196	153

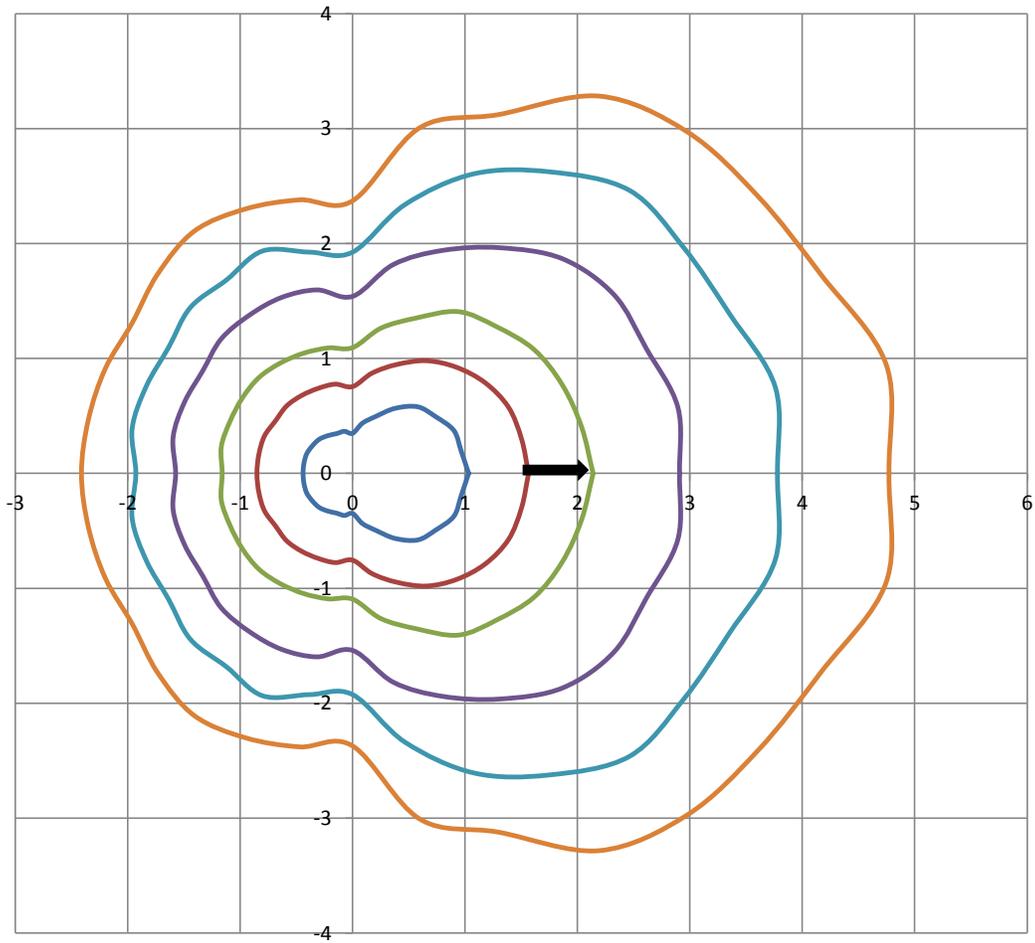
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	162.2 Candela
Central Cone Intensity:	164 Candela
Beam Flux:	1974.2 Lumens
Beam Angle (0-180):	N/A Degrees
Beam Angle (90-270):	116.0 Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	165.2 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

