



Distribution - Goniophotometer

Distribution Test Conditions

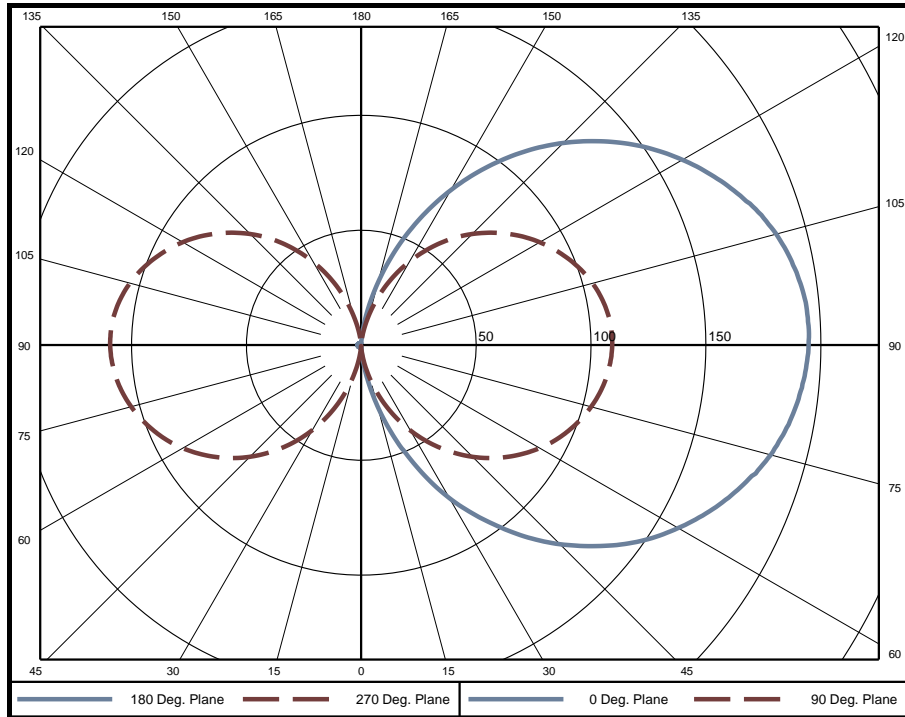
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.1 VAC	0.1098 A	12.67 W	0.961	60 Hz	11.3 %

Summary of Results

Spacing Criteria
 0-180: 19.22
 90-270: 15.81

Total Lumen Output: 900.8 Lumens
Luminaire Efficacy: 71.1 lm/w
Maximum Candela: 195 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.03	0.0%	60-65	40.10	4.5%	120-125	35.80	4.0%
5-10	0.35	0.0%	65-70	44.00	4.9%	125-130	31.10	3.5%
10-15	1.30	0.1%	70-75	47.35	5.3%	130-135	26.29	2.9%
15-20	3.06	0.3%	75-80	50.08	5.6%	135-140	21.52	2.4%
20-25	5.61	0.6%	80-85	52.01	5.8%	140-145	16.88	1.9%
25-30	8.86	1.0%	85-90	53.06	5.9%	145-150	12.53	1.4%
30-35	12.70	1.4%	90-95	53.17	5.9%	150-155	8.68	1.0%
35-40	16.97	1.9%	95-100	52.28	5.8%	155-160	5.43	0.6%
40-45	21.57	2.4%	100-105	50.41	5.6%	160-165	2.90	0.3%
45-50	26.33	2.9%	105-110	47.67	5.3%	165-170	1.19	0.1%
50-55	31.11	3.5%	110-115	44.19	4.9%	170-175	0.29	0.0%
55-60	35.75	4.0%	115-120	40.19	4.5%	175-180	0.02	0.0%

Zone	Lumens	% of Luminaire
0-40	49	5.4%
0-60	164	18.2%
0-90	450	50.0%
90-180	451	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	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	5	3.7	4.2	3.6	3.0	2.0	0.9	0.5	0.7	1.1	0.7	0.5	0.9	2.0	3.0	3.6
	10	13.8	14.4	13.2	11.3	7.7	3.7	1.1	0.8	1.1	0.8	1.1	3.7	7.7	11.3	13.2
	15	27.3	27.9	25.5	22.0	15.5	7.7	1.9	0.7	1.1	0.7	1.9	7.7	15.5	22.0	25.5
	20	43.2	43.5	39.6	34.2	24.4	12.3	3.1	0.7	1.2	0.7	3.1	12.3	24.4	34.2	39.6
	25	59.6	59.4	53.7	46.4	33.6	17.3	4.4	0.7	1.1	0.7	4.4	17.3	33.6	46.4	53.7
	30	76.7	75.2	67.6	58.5	42.9	22.4	5.9	0.7	1.1	0.7	5.9	22.4	42.9	58.5	67.6
	35	92.3	90.5	81.0	70.2	51.9	27.4	7.4	0.7	1.1	0.7	7.4	27.4	51.9	70.2	81.0
	40	107.8	104.8	93.6	81.2	60.6	32.2	8.9	0.7	1.2	0.7	8.9	32.2	60.6	81.2	93.6
	45	122.4	118.4	105.4	91.5	68.8	36.9	10.4	0.8	1.2	0.8	10.4	36.9	68.8	91.5	105.4
	50	135.8	131.1	116.4	101.1	76.4	41.1	11.8	0.8	1.2	0.8	11.8	41.1	76.4	101.1	116.4
	55	148.4	142.6	126.4	109.8	83.4	45.1	13.1	0.9	1.3	0.9	13.1	45.1	83.4	109.8	126.4
	60	159.1	153.0	135.5	117.7	89.7	48.7	14.3	0.9	1.3	0.9	14.3	48.7	89.7	117.7	135.5
	65	168.7	162.1	143.5	124.6	95.2	51.8	15.3	1.0	1.4	1.0	15.3	51.8	95.2	124.6	143.5
	70	177.0	169.6	150.0	130.3	99.8	54.4	16.2	1.0	1.4	1.0	16.2	54.4	99.8	130.3	150.0
	75	184.5	175.7	155.5	135.1	103.6	56.6	17.0	1.1	1.5	1.1	17.0	56.6	103.6	135.1	155.5
	80	189.5	181.0	159.6	138.8	106.5	58.3	17.6	1.2	1.6	1.2	17.6	58.3	106.5	138.8	159.6
	85	192.8	183.9	162.3	141.1	108.4	59.3	17.9	1.3	1.6	1.3	17.9	59.3	108.4	141.1	162.3
	90	194.7	185.3	163.4	142.1	109.2	59.8	18.1	1.2	1.7	1.2	18.1	59.8	109.2	142.1	163.4
	95	194.4	184.5	162.8	141.7	108.8	59.6	18.0	1.2	1.6	1.2	18.0	59.6	108.8	141.7	162.8
	100	191.6	181.8	160.4	139.5	107.1	58.6	17.7	1.2	1.6	1.2	17.7	58.6	107.1	139.5	160.4
	105	186.9	176.8	156.3	136.1	104.3	56.9	17.1	1.1	1.5	1.1	17.1	56.9	104.3	136.1	156.3
	110	180.0	170.2	150.6	131.1	100.3	54.6	16.3	1.1	1.4	1.1	16.3	54.6	100.3	131.1	150.6
	115	171.1	162.2	143.5	125.1	95.4	51.8	15.3	0.9	1.3	0.9	15.3	51.8	95.4	125.1	143.5
	120	161.3	153.0	135.5	118.0	89.8	48.6	14.2	0.9	1.2	0.9	14.2	48.6	89.8	118.0	135.5
	125	150.3	142.4	126.2	110.0	83.4	45.0	13.0	0.8	1.2	0.8	13.0	45.0	83.4	110.0	126.2
	130	137.8	130.5	115.9	101.0	76.3	41.0	11.6	0.8	1.1	0.8	11.6	41.0	76.3	101.0	115.9
	135	124.3	117.8	104.9	91.4	68.7	36.7	10.3	0.7	1.1	0.7	10.3	36.7	68.7	91.4	104.9
	140	109.6	104.0	92.9	81.0	60.4	32.0	8.9	0.7	1.1	0.7	8.9	32.0	60.4	81.0	92.9
	145	94.0	89.0	79.9	69.6	51.4	26.9	7.3	0.7	1.1	0.7	7.3	26.9	51.4	69.6	79.9
	150	77.7	73.1	66.2	57.6	42.1	21.9	5.7	0.7	1.0	0.7	5.7	21.9	42.1	57.6	66.2
	155	60.9	57.1	52.2	45.3	32.8	16.7	4.2	0.7	1.0	0.7	4.2	16.7	32.8	45.3	52.2
	160	44.2	40.9	37.7	32.8	23.3	11.5	2.9	0.7	1.0	0.7	2.9	11.5	23.3	32.8	37.7
	165	27.9	25.5	23.5	20.4	14.3	6.9	1.7	0.6	1.0	0.6	1.7	6.9	14.3	20.4	23.5
	170	14.2	12.1	11.1	9.6	6.7	3.2	0.9	0.6	1.0	0.6	0.9	3.2	6.7	9.6	11.1
	175	3.4	2.3	2.5	2.3	1.5	0.8	0.4	0.7	0.9	0.7	0.4	0.8	1.5	2.3	2.5
	180	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Average Luminance (cd/m²)

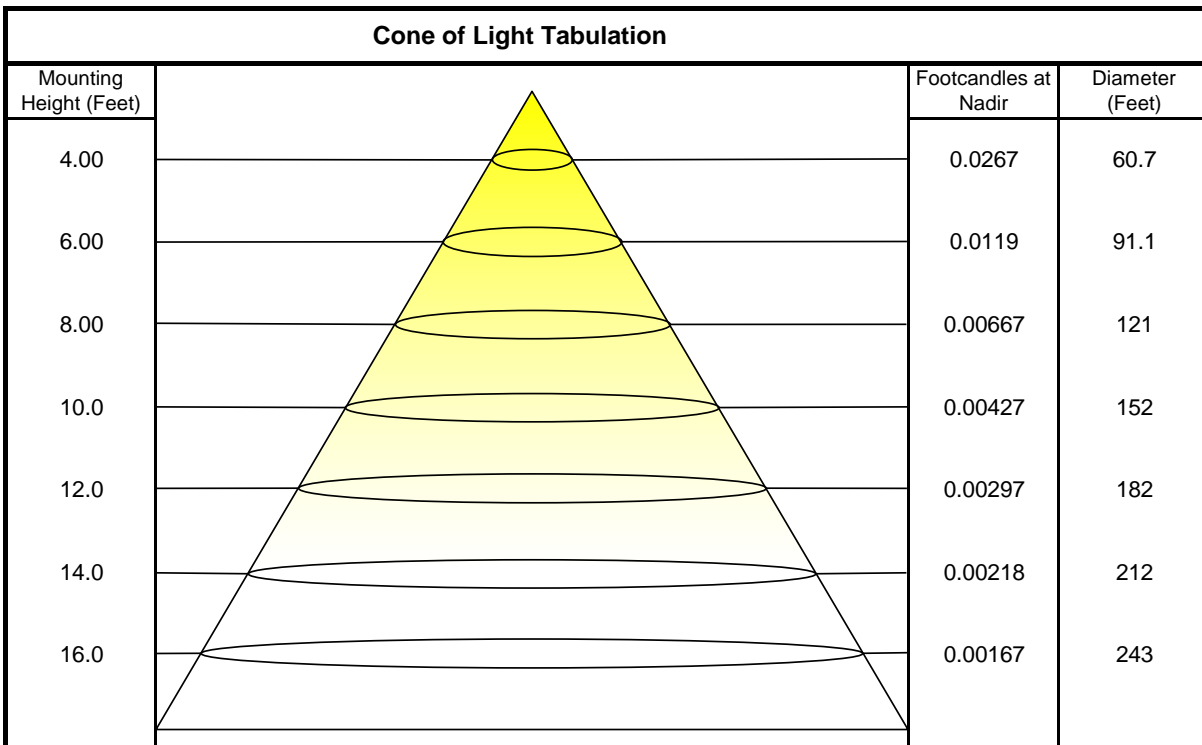
Vertical Angle (Degrees)	Horizontal Angle (Degrees)			
		0	45	90
	0	35	35	35
	45	1651	1366	1719
	55	1790	1462	1921
	65	1892	1541	2094
	75	1990	1605	2246
	85	2063	1660	2387



Coefficients of Utilization - 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 percent of total lumen output delivered to the task surface **																	
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	92	85	79	73	84	78	72	67	64	60	56	52	48	45	40	38	35	30
2	81	71	62	55	74	65	57	50	53	47	42	42	37	33	32	28	25	20
3	73	60	51	43	66	55	46	39	45	38	32	35	30	26	26	22	19	15
4	66	52	42	35	59	47	39	32	38	31	26	30	25	20	22	18	15	11
5	60	46	36	29	54	41	33	26	34	27	21	26	21	17	20	15	12	8
6	55	40	31	24	49	37	28	22	30	23	18	23	18	14	17	13	10	7
7	50	36	27	20	45	33	24	19	27	20	15	21	16	12	16	11	8	5
8	46	32	23	17	42	29	21	16	24	17	13	19	14	10	14	10	7	4
9	43	29	21	15	39	27	19	14	22	16	11	17	12	9	13	9	6	4
10	40	27	19	13	36	24	17	12	20	14	10	16	11	7	12	8	5	3

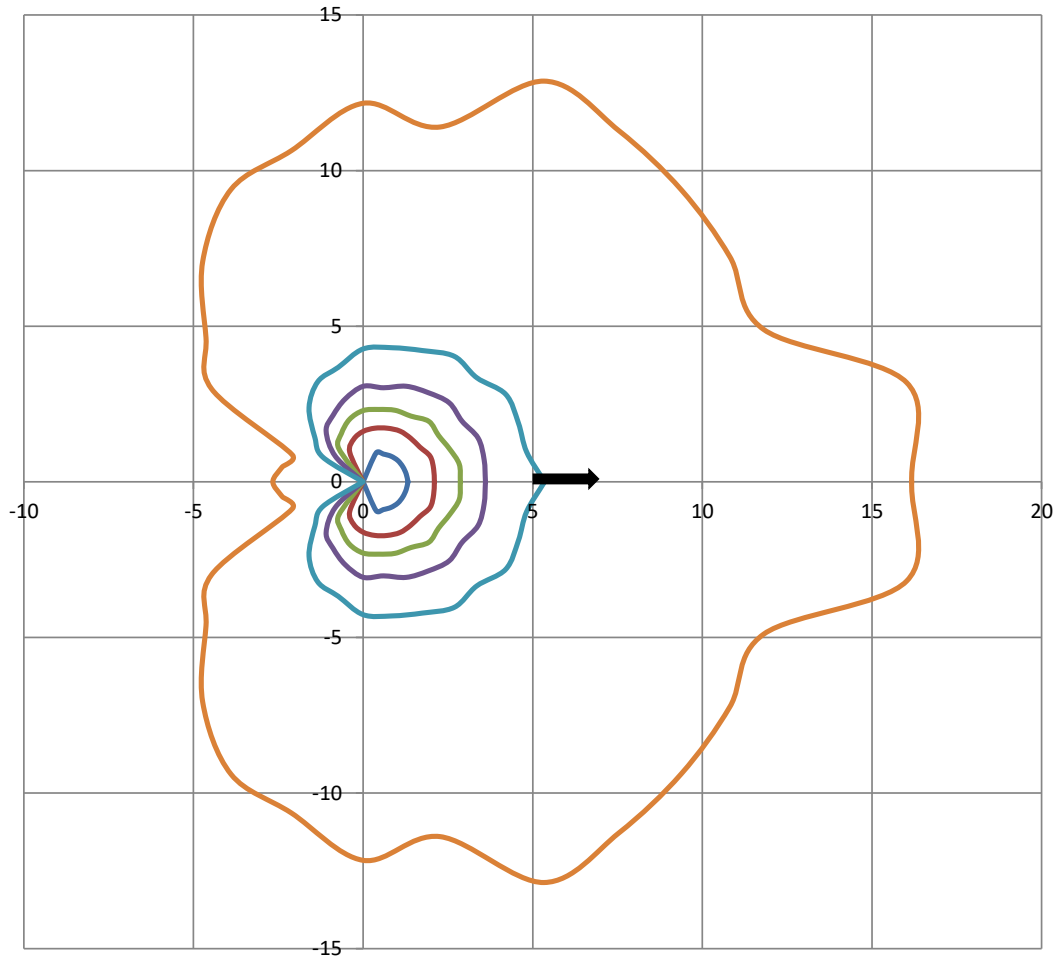
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	0.4 Candela
Central Cone Intensity:	1 Candela
Beam Flux:	900.8 Lumens
Beam Angle (0-180):	#REF! Degrees
Beam Angle (90-270):	358.0 Degrees
Field Angle (0-180):	#REF! Degrees
Field Angle (90-270):	#REF! Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

— 0.5 fc — 0.2 fc — 0.1 fc — 0.05 fc — 0.02 fc — 0.001 fc