



Distribution - Goniophotometer

Distribution Test Conditions

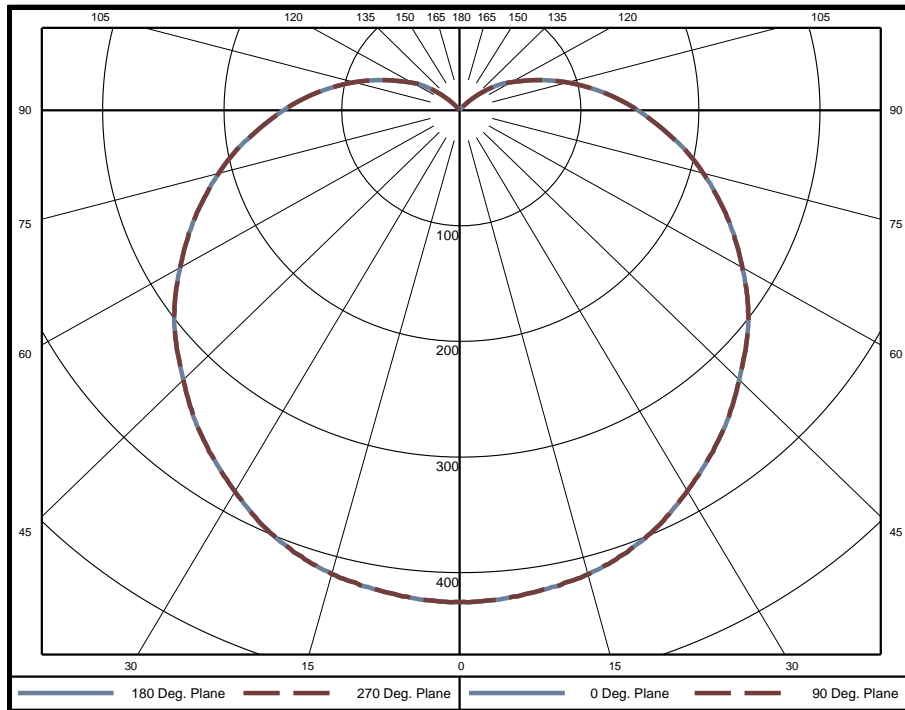
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.1 VAC	0.1945 A	23.08 W	0.988	60 Hz	6.02 %

Summary of Results

Spacing Criteria
 0-180: 1.33
 90-270: 1.33

Total Lumen Output: 2081 Lumens
Luminaire Efficacy: 90.2 lm/w
Maximum Candela: 426 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	10.2	0.5%	60-65	126.8	6.1%	120-125	19.9	1.0%
5-10	30.2	1.5%	65-70	121.6	5.8%	125-130	13.2	0.6%
10-15	49.6	2.4%	70-75	114.8	5.5%	130-135	7.1	0.3%
15-20	67.8	3.3%	75-80	106.6	5.1%	135-140	2.7	0.1%
20-25	84.1	4.0%	80-85	96.7	4.6%	140-145	0.7	0.0%
25-30	97.9	4.7%	85-90	86.3	4.1%	145-150	0	0.0%
30-35	109.4	5.3%	90-95	75.9	3.6%	150-155	0	0.0%
35-40	118.6	5.7%	95-100	65.2	3.1%	155-160	0	0.0%
40-45	125.1	6.0%	100-105	54.5	2.6%	160-165	0	0.0%
45-50	129.2	6.2%	105-110	44.2	2.1%	165-170	0	0.0%
50-55	131.3	6.3%	110-115	34.6	1.7%	170-175	0	0.0%
55-60	130.2	6.3%	115-120	26.4	1.3%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	568	27.3%
0-60	1084	52.1%
0-90	1736	83.4%
90-180	344	16.5%



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	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5
	5	424.0	424.0	424.0	424.0	424.0	424.0	424.0	424.0	424.0	424.0	424.0	424.0	424.0	424.0	424.0
	10	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4
	15	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3	415.3
	20	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
	25	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8
	30	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4
	35	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7	363.7
	40	347.5	347.5	347.5	347.5	347.5	347.5	347.5	347.5	347.5	347.5	347.5	347.5	347.5	347.5	347.5
	45	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7	328.7
	50	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2
	55	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3	292.3
	60	271.1	271.1	271.1	271.1	271.1	271.1	271.1	271.1	271.1	271.1	271.1	271.1	271.1	271.1	271.1
	65	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
	70	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8
	75	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3
	80	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0
	85	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5
	90	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1
	95	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2	129.2
	100	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6
	105	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	110	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
	115	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
	120	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
	125	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
	130	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
	135	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
	140	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	145	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	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/m²)

Horizontal Angle (Degrees)

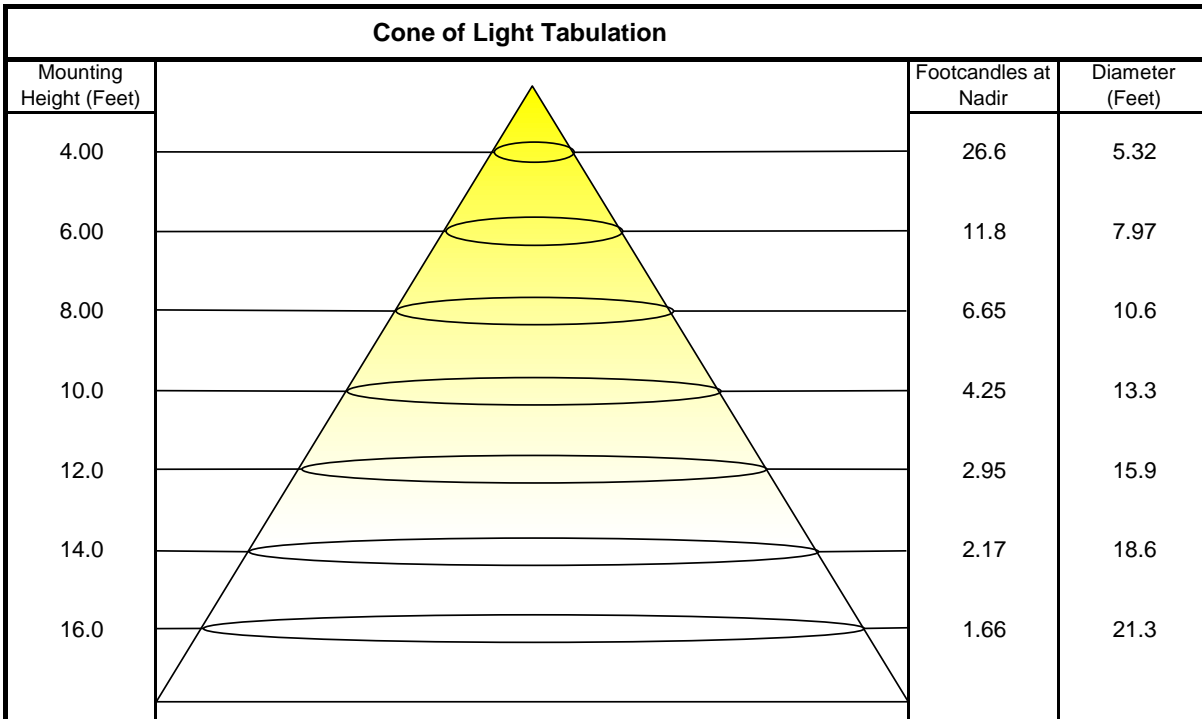
Vertical Angle (Degrees)	0	45	90
	0	4607	4607
	45	5000	5000
	55	4440	4440
	65	3939	3939
	75	3500	3500
	85	3071	3071



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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	83
1	101	95	89	84	97	91	86	81	83	79	76	77	73	70	70	68	65	62
2	91	81	73	66	86	77	70	64	71	65	60	65	60	56	60	56	52	49
3	82	70	60	53	78	67	58	51	61	54	48	56	50	45	52	47	43	40
4	74	61	51	44	71	59	50	43	54	46	40	50	43	38	46	40	36	33
5	68	54	44	37	65	52	43	36	48	40	34	44	38	32	41	35	31	28
6	63	48	39	32	60	47	38	31	43	35	30	40	33	28	37	31	27	24
7	58	44	34	28	55	42	33	27	39	31	26	36	30	25	33	28	23	21
8	54	40	31	25	51	38	30	24	36	28	23	33	27	22	31	25	21	19
9	50	36	28	22	48	35	27	21	33	25	20	30	24	20	28	23	19	17
10	47	33	25	20	45	32	24	19	30	23	18	28	22	18	26	21	17	15

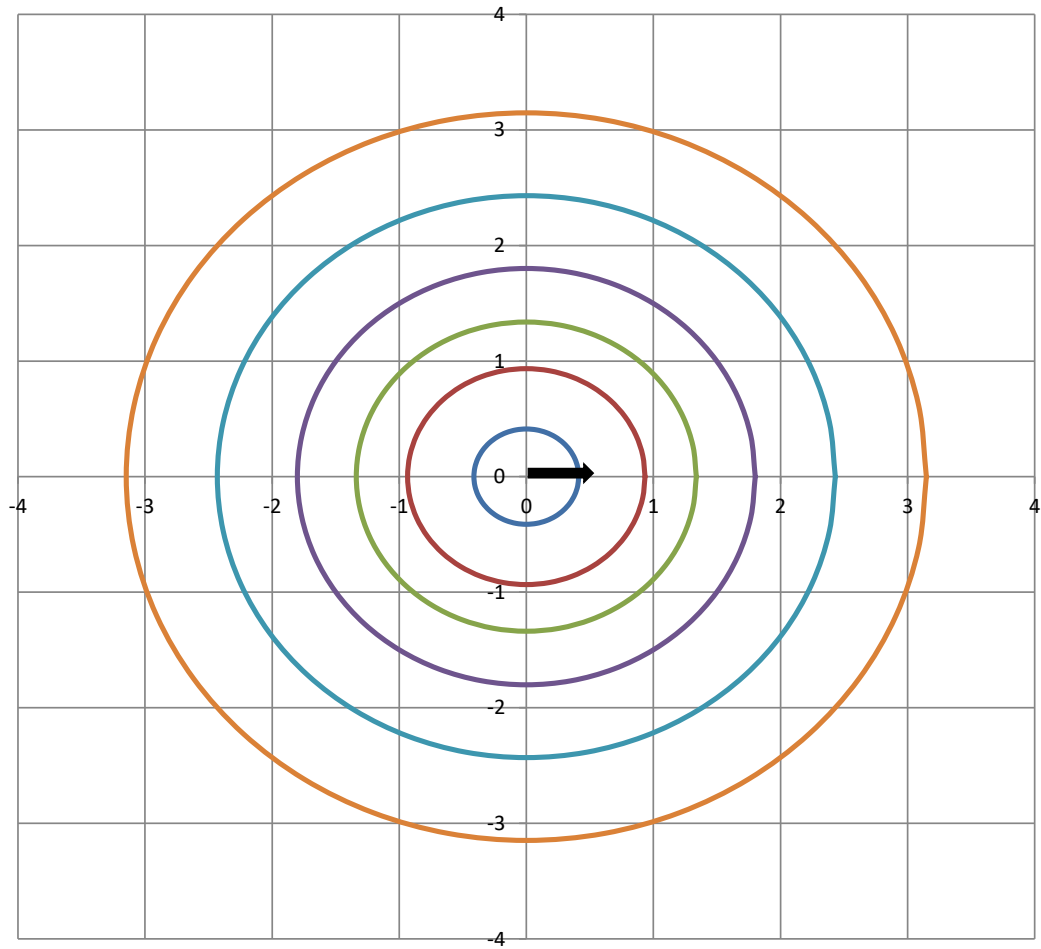
Beam and Field Information	
CIE Type:	Semi-Direct
Center Beam Intensity:	425.5 Candela
Central Cone Intensity:	425 Candela
Beam Flux:	1427.7 Lumens
Beam Angle (0-180):	148.3 Degrees
Beam Angle (90-270):	148.3 Degrees
Field Angle (0-180):	245.5 Degrees
Field Angle (90-270):	245.5 Degrees





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