



## Distribution - Goniophotometer

### Distribution Test Conditions

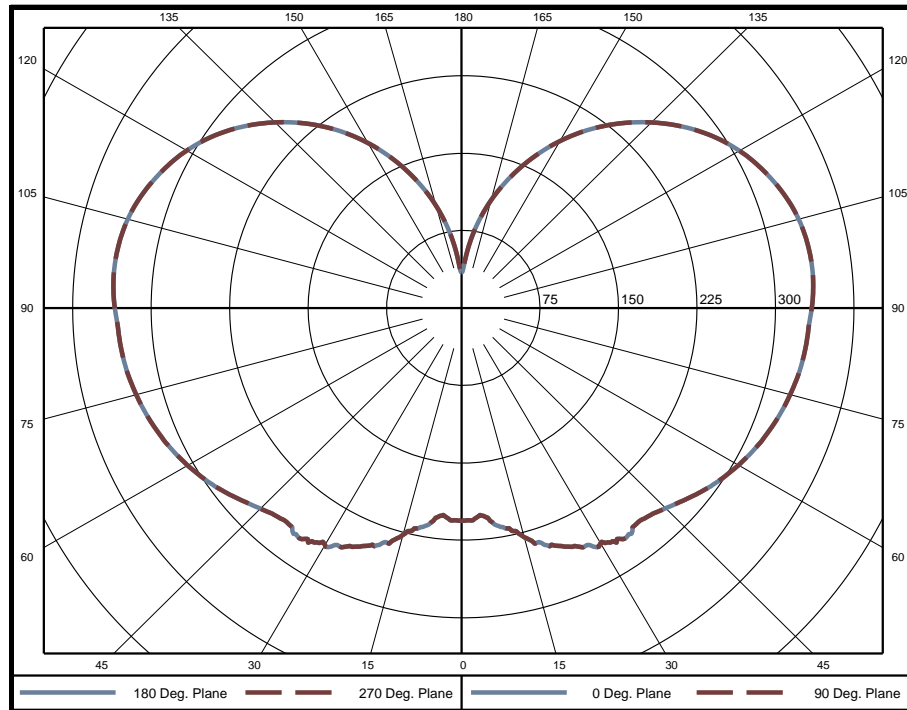
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.0 VAC	0.2855 A	34.00 W	0.992	60 Hz	6.07 %

### Summary of Results

**Spacing Criteria**  
 0-180: 1.91  
 90-270: 1.91

**Total Lumen Output:** 3596 Lumens  
**Luminaire Efficacy:** 105.8 lm/w  
**Maximum Candela:** 336 Candela

### Polar Plot



### Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	4.9	0.1%	60-65	149.8	4.2%	120-125	138.0	3.8%
5-10	14.9	0.4%	65-70	159.6	4.4%	125-130	123.0	3.4%
10-15	26.2	0.7%	70-75	167.8	4.7%	130-135	106.9	3.0%
15-20	39.2	1.1%	75-80	174.3	4.8%	135-140	90.5	2.5%
20-25	52.4	1.5%	80-85	178.8	5.0%	140-145	74.4	2.1%
25-30	65.9	1.8%	85-90	181.4	5.0%	145-150	58.8	1.6%
30-35	78.7	2.2%	90-95	183.2	5.1%	150-155	44.2	1.2%
35-40	89.7	2.5%	95-100	182.5	5.1%	155-160	31.2	0.9%
40-45	100.1	2.8%	100-105	178.8	5.0%	160-165	20.2	0.6%
45-50	112.8	3.1%	105-110	172.1	4.8%	165-170	11.3	0.3%
50-55	126.1	3.5%	110-115	162.7	4.5%	170-175	4.9	0.1%
55-60	138.5	3.9%	115-120	151.3	4.2%	175-180	1.0	0.0%

Zone	Lumens	% of Luminaire
0-40	372	10.3%
0-60	849	23.6%
0-90	1861	51.8%
90-180	1735	48.2%



### 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	205.1	205.1	205.1	205.1	205.1	205.1	205.1	205.1	205.1	205.1	205.1	205.1	205.1	205.1	205.1
	5	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0	201.0
	10	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1	215.1
	15	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5
	20	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3
	25	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0	254.0
	30	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
	35	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9	271.9
	40	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1
	45	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1
	50	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4
	55	295.0	295.0	295.0	295.0	295.0	295.0	295.0	295.0	295.0	295.0	295.0	295.0	295.0	295.0	295.0
	60	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2
	65	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9
	70	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4
	75	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
	80	327.7	327.7	327.7	327.7	327.7	327.7	327.7	327.7	327.7	327.7	327.7	327.7	327.7	327.7	327.7
	85	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1
	90	333.1	333.1	333.1	333.1	333.1	333.1	333.1	333.1	333.1	333.1	333.1	333.1	333.1	333.1	333.1
	95	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7
	100	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3	335.3
	105	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2	332.2
	110	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7
	115	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5	316.5
	120	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2	305.2
	125	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0
	130	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9	273.9
	135	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7
	140	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8	233.8
	145	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
	150	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0
	155	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4
	160	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
	165	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4	108.4
	170	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
	175	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
	180	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8

### Average Luminance (cd/m<sup>2</sup>)

Horizontal Angle (Degrees)

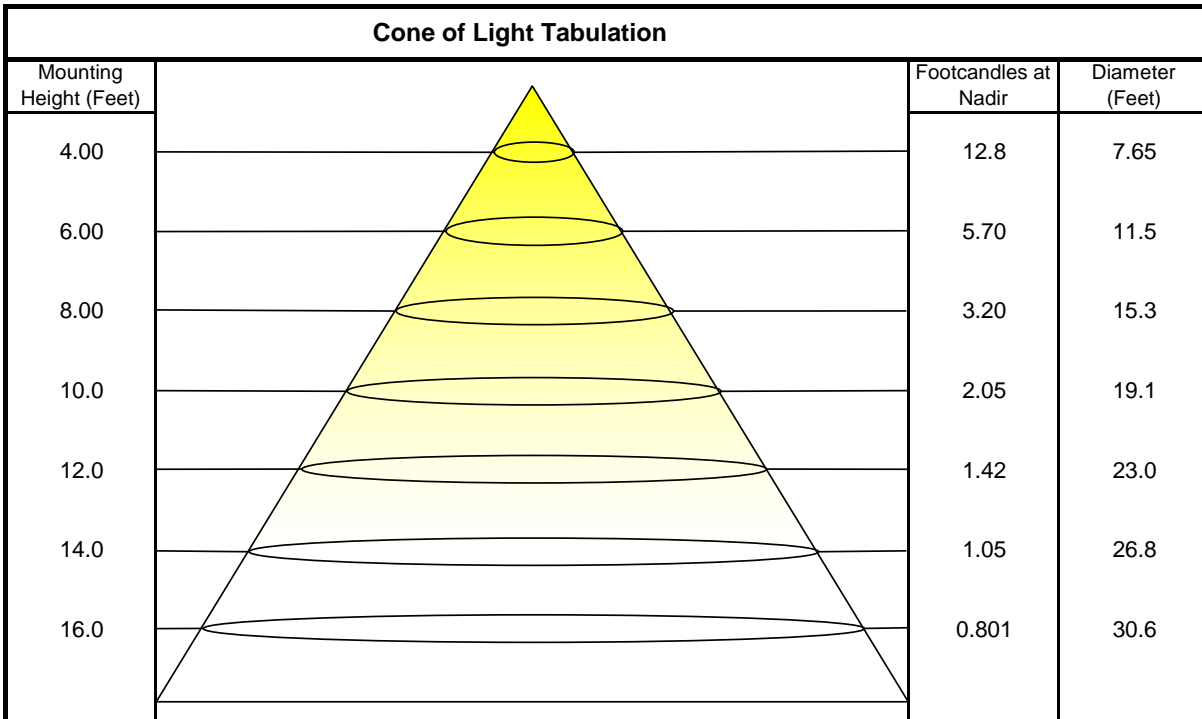
Vertical Angle (Degrees)	0	45	90
	0	2811	2811
	45	1617	1617
	55	1654	1654
	65	1715	1715
	75	1799	1799
	85	1915	1915



### 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	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	52
1	93	87	81	76	85	80	75	70	67	63	59	54	51	49	43	41	39	33
2	83	73	65	58	76	67	60	54	56	50	45	45	41	37	35	32	29	24
3	75	63	54	46	68	58	49	43	48	41	36	38	33	29	30	26	23	19
4	68	55	45	38	61	50	42	35	41	35	29	33	28	24	26	22	19	15
5	62	48	39	32	56	44	36	29	37	30	25	29	24	20	23	19	15	12
6	57	43	33	27	51	39	31	25	33	26	21	26	21	17	20	16	13	10
7	52	38	29	23	47	35	27	21	29	23	18	24	18	15	19	14	11	8
8	48	35	26	20	44	32	24	19	26	20	16	22	16	13	17	13	10	7
9	45	31	23	18	41	29	21	16	24	18	14	20	15	11	16	12	9	6
10	42	29	21	16	38	26	19	14	22	16	12	18	13	10	14	10	8	6

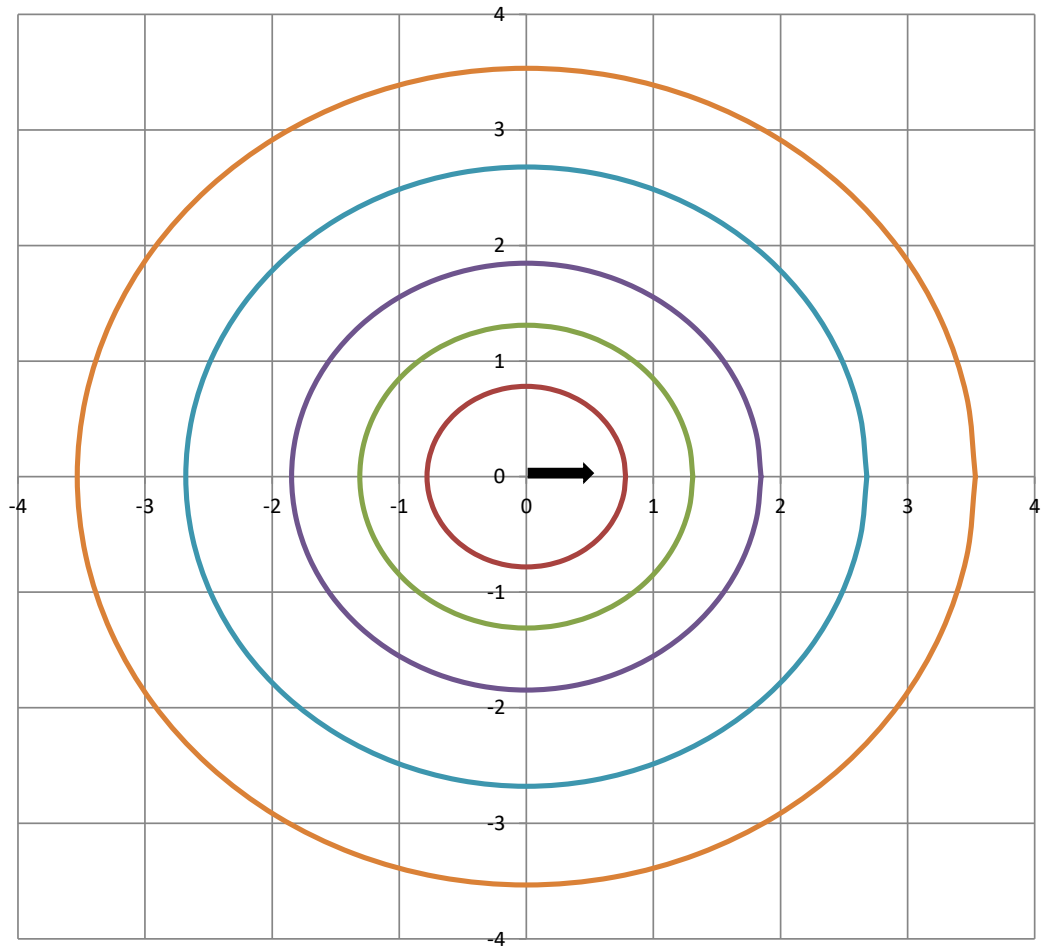
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	205.1 Candela
Central Cone Intensity:	205 Candela
Beam Flux:	3582.1 Lumens
Beam Angle (0-180):	332.1 Degrees
Beam Angle (90-270):	332.1 Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	N/A Degrees





## 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