



Distribution - Goniophotometer

Distribution Test Conditions

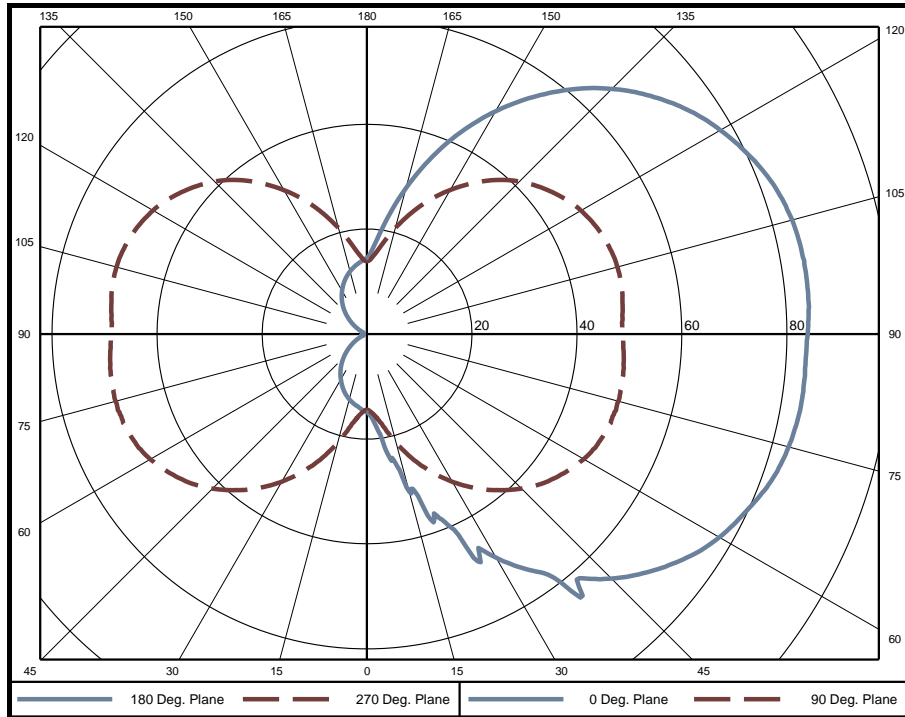
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.4 °C	120.0 VAC	0.06006 A	6.689 W	0.928	60 Hz	14.4 %

Summary of Results

Spacing Criteria
 0-180: 3.96
 90-270: 3.14

Total Lumen Output: 480.9 Lumens
Luminaire Efficacy: 71.9 lm/w
Maximum Candela: 85 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.36	0.1%	60-65	20.44	4.3%	120-125	18.84	3.9%
5-10	1.20	0.2%	65-70	21.58	4.5%	125-130	17.13	3.6%
10-15	2.31	0.5%	70-75	22.49	4.7%	130-135	15.28	3.2%
15-20	3.74	0.8%	75-80	23.18	4.8%	135-140	13.29	2.8%
20-25	5.41	1.1%	80-85	23.58	4.9%	140-145	11.19	2.3%
25-30	7.32	1.5%	85-90	23.67	4.9%	145-150	9.09	1.9%
30-35	9.29	1.9%	90-95	23.75	4.9%	150-155	7.09	1.5%
35-40	11.40	2.4%	95-100	23.68	4.9%	155-160	5.25	1.1%
40-45	13.45	2.8%	100-105	23.31	4.8%	160-165	3.61	0.8%
45-50	15.45	3.2%	105-110	22.58	4.7%	165-170	2.24	0.5%
50-55	17.32	3.6%	110-115	21.55	4.5%	170-175	1.16	0.2%
55-60	18.99	3.9%	115-120	20.31	4.2%	175-180	0.35	0.1%

Zone	Lumens	% of Luminaire
0-40	41	8.5%
0-60	106	22.1%
0-90	241	50.2%
90-180	240	49.8%



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	14.49	14.49	14.49	14.49	14.49	14.49	14.49	14.49	14.49	14.49	14.49	14.49	14.49	14.49	14.49
	5	17.12	17.12	16.70	16.17	15.38	14.68	14.18	14.05	14.22	14.05	14.18	14.68	15.38	16.17	16.70
	10	23.42	22.73	21.39	19.89	17.83	15.37	13.90	13.44	13.59	13.44	13.90	15.37	17.83	19.89	21.39
	15	31.04	28.95	27.72	25.19	21.34	16.65	13.59	12.86	12.89	12.86	13.59	16.65	21.34	25.19	27.72
	20	37.56	36.56	34.34	30.79	25.18	17.99	12.83	12.05	12.09	12.05	12.83	17.99	25.18	30.79	34.34
	25	44.75	42.79	40.80	36.15	28.85	19.26	12.12	11.13	11.06	11.13	12.12	19.26	28.85	36.15	40.80
	30	49.20	49.32	46.97	41.26	32.46	20.42	11.15	10.04	9.97	10.04	11.15	20.42	32.46	41.26	46.97
	35	55.06	55.58	52.80	46.11	35.75	21.44	10.03	8.91	8.83	8.91	10.03	21.44	35.75	46.11	52.80
	40	62.84	61.35	57.97	50.45	38.77	22.30	8.86	7.69	7.58	7.69	8.86	22.30	38.77	50.45	57.97
	45	65.90	66.34	62.79	54.42	41.61	23.03	7.59	6.42	6.27	6.42	7.59	23.03	41.61	54.42	62.79
	50	70.39	70.97	67.08	58.02	44.07	23.56	6.32	5.13	4.94	5.13	6.32	23.56	44.07	58.02	67.08
	55	74.31	74.79	70.63	60.86	46.01	23.86	5.01	3.79	3.63	3.79	5.01	23.86	46.01	60.86	70.63
	60	77.49	78.15	73.58	63.31	47.67	24.02	3.73	2.56	2.43	2.56	3.73	24.02	47.67	63.31	73.58
	65	79.76	80.80	75.96	65.13	48.73	23.93	2.50	1.47	1.38	1.47	2.50	23.93	48.73	65.13	75.96
	70	81.93	82.50	77.48	66.20	49.44	23.70	1.46	0.71	0.84	0.71	1.46	23.70	49.44	66.20	77.48
	75	83.16	83.70	78.48	66.73	49.54	23.53	0.87	0.66	0.90	0.66	0.87	23.53	49.54	66.73	78.48
	80	83.78	84.31	78.88	67.00	49.51	23.55	0.95	0.65	0.91	0.65	0.95	23.55	49.51	67.00	78.88
	85	83.75	84.37	78.85	66.77	49.10	23.47	0.99	0.71	0.92	0.71	0.99	23.47	49.10	66.77	78.85
	90	83.97	84.31	78.73	66.47	48.54	23.33	1.66	0.61	0.87	0.61	1.66	23.33	48.54	66.47	78.73
	95	84.37	84.64	79.08	66.92	48.89	23.45	1.72	0.70	0.82	0.70	1.72	23.45	48.89	66.92	79.08
	100	84.31	84.72	79.26	67.20	49.30	23.55	1.77	0.69	0.82	0.69	1.77	23.55	49.30	67.20	79.26
	105	83.86	84.06	78.83	67.05	49.40	23.53	1.68	0.68	0.79	0.68	1.68	23.53	49.40	67.05	78.83
	110	82.56	82.65	77.55	66.26	49.03	23.59	1.96	0.64	0.76	0.64	1.96	23.59	49.03	66.26	77.55
	115	80.35	80.48	75.66	64.79	48.24	23.61	2.79	1.16	1.15	1.16	2.79	23.61	48.24	64.79	75.66
	120	77.65	77.72	73.24	62.93	47.06	23.56	3.83	2.16	2.10	2.16	3.83	23.56	47.06	62.93	73.24
	125	74.45	74.33	70.14	60.50	45.43	23.33	4.98	3.34	3.29	3.34	4.98	23.33	45.43	60.50	70.14
	130	70.55	70.32	66.50	57.51	43.42	22.98	6.16	4.59	4.60	4.59	6.16	22.98	43.42	57.51	66.50
	135	65.98	65.86	62.42	54.16	41.09	22.48	7.35	5.89	5.93	5.89	7.35	22.48	41.09	54.16	62.42
	140	60.80	60.66	57.63	50.11	38.31	21.74	8.46	7.12	7.20	7.12	8.46	21.74	38.31	50.11	57.63
	145	55.04	54.73	52.14	45.49	35.09	20.77	9.51	8.29	8.39	8.29	9.51	20.77	35.09	45.49	52.14
	150	48.92	48.32	46.20	40.55	31.66	19.69	10.51	9.38	9.49	9.38	10.51	19.69	31.66	40.55	46.20
	155	42.42	41.64	39.92	35.40	28.15	18.56	11.44	10.42	10.55	10.42	11.44	18.56	28.15	35.40	39.92
	160	35.58	34.71	33.41	30.01	24.48	17.37	12.23	11.37	11.51	11.37	12.23	17.37	24.48	30.01	33.41
	165	28.73	27.83	26.87	24.67	20.91	16.21	12.92	12.22	12.36	12.22	12.92	16.21	20.91	24.67	26.87
	170	22.32	21.43	20.83	19.63	17.58	15.12	13.40	12.95	13.11	12.95	13.40	15.12	17.58	19.63	20.83
	175	17.14	16.49	16.14	15.73	15.05	14.27	13.67	13.54	13.79	13.54	13.67	14.27	15.05	15.73	16.14
	180	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06

Average Luminance (cd/m²)

Vertical Angle (Degrees)	Horizontal Angle (Degrees)			
		0	45	90
	0	2852	2852	2852
	45	3513	2960	3119
	55	3627	3028	3237
	65	3695	3071	3327
	75	3774	3092	3385
	85	3840	3120	3462



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	93	86	81	75	85	79	74	69	66	62	58	53	50	48	42	40	38	32
2	83	73	64	58	75	66	59	53	55	49	44	44	40	36	34	31	28	23
3	74	62	53	46	67	57	49	42	47	40	35	37	32	28	29	25	22	17
4	67	54	45	37	61	49	41	34	41	34	28	32	27	23	25	21	17	13
5	61	47	38	31	55	43	35	28	36	29	24	28	23	19	22	18	14	11
6	56	42	33	26	51	38	30	24	32	25	20	25	20	16	19	15	12	9
7	51	38	29	22	47	34	26	21	28	22	17	23	17	14	17	13	10	7
8	48	34	25	19	43	31	23	18	26	19	15	21	15	12	16	12	9	6
9	44	31	22	17	40	28	21	16	23	17	13	19	14	10	14	11	8	5
10	41	28	20	15	37	26	18	14	21	15	11	17	12	9	13	10	7	5

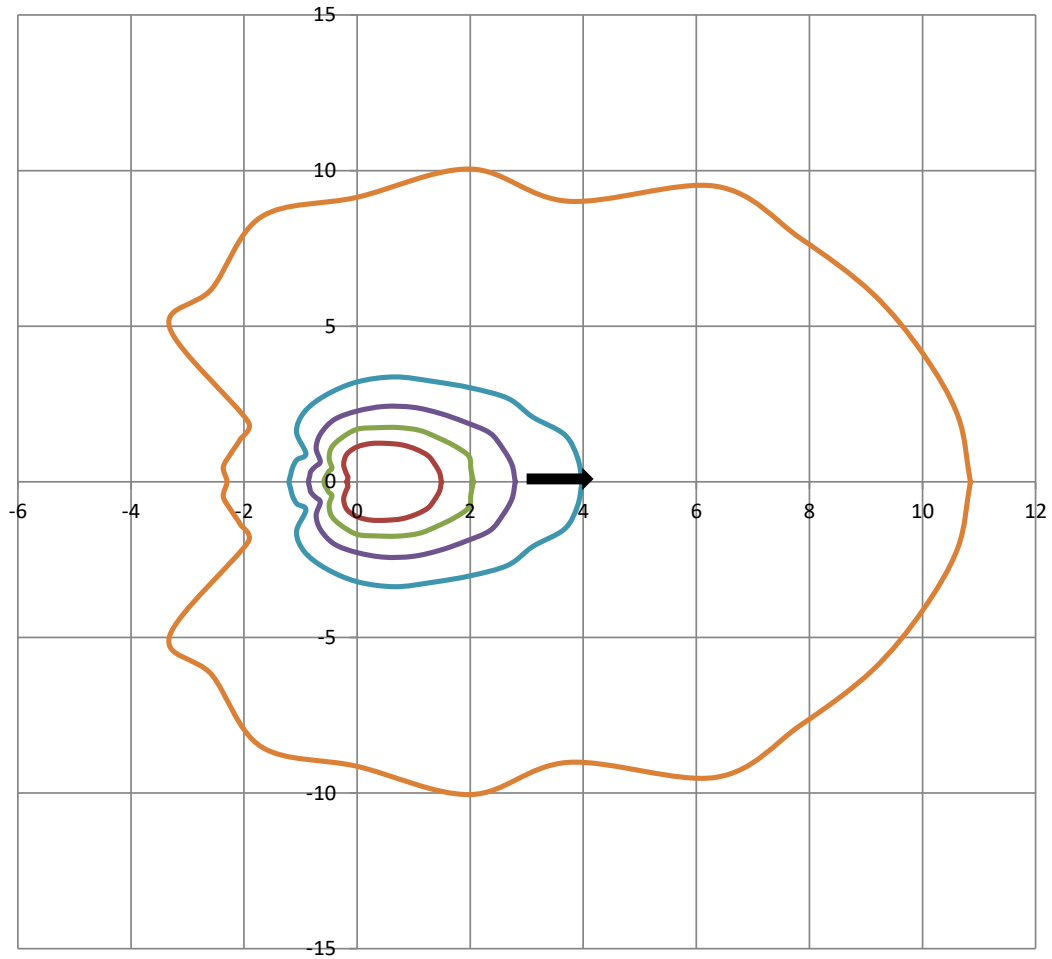
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	14.49 Candela
Central Cone Intensity:	N/A Candela
Beam Flux:	473.9 Lumens
Beam Angle (0-180):	N/A Degrees
Beam Angle (90-270):	N/A Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	N/A Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		0.906	11.8
6.00		0.403	17.6
8.00		0.226	23.5
10.0		0.145	29.4
12.0		0.101	35.3
14.0		0.0739	41.1
16.0		0.0566	47.0



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