



Distribution - Goniophotometer

Distribution Test Conditions

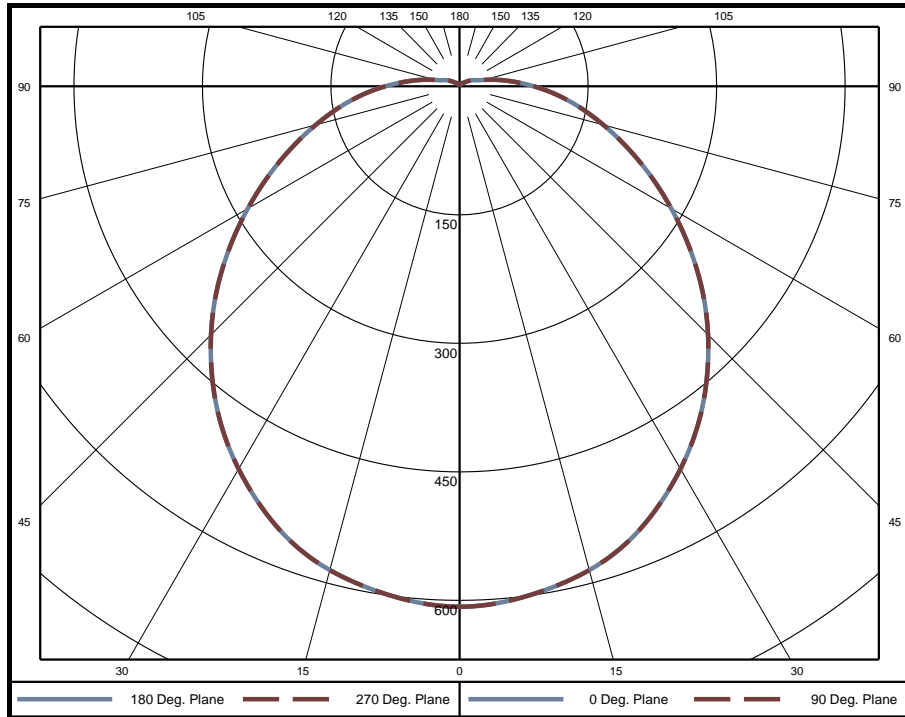
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.1 VAC	0.1953 A	23.10 W	0.985	60 Hz	8.21 %

Summary of Results

Spacing Criteria
 0-180: 1.26
 90-270: 1.26

Total Lumen Output: 2071 Lumens
Luminaire Efficacy: 89.7 lm/w
Maximum Candela: 607 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	14.5	0.7%	60-65	128.7	6.2%	120-125	5.1	0.2%
5-10	42.9	2.1%	65-70	114.5	5.5%	125-130	3.5	0.2%
10-15	70.0	3.4%	70-75	99.5	4.8%	130-135	2.4	0.1%
15-20	95.0	4.6%	75-80	84.5	4.1%	135-140	1.9	0.1%
20-25	116.6	5.6%	80-85	69.6	3.4%	140-145	1.6	0.1%
25-30	134.0	6.5%	85-90	54.8	2.6%	145-150	1.1	0.1%
30-35	147.2	7.1%	90-95	40.7	2.0%	150-155	0.6	0.0%
35-40	155.5	7.5%	95-100	28.8	1.4%	155-160	0.3	0.0%
40-45	158.8	7.7%	100-105	19.1	0.9%	160-165	0.1	0.0%
45-50	157.4	7.6%	105-110	12.5	0.6%	165-170	0.0	0.0%
50-55	151.3	7.3%	110-115	9.6	0.5%	170-175	0.0	0.0%
55-60	141.4	6.8%	115-120	7.2	0.3%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	776	37.5%
0-60	1385	66.9%
0-90	1936	93.5%
90-180	135	6.5%



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	607.2	607.2	607.2	607.2	607.2	607.2	607.2	607.2	607.2	607.2	607.2	607.2	607.2	607.2	607.2
	5	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7
	10	595.5	595.5	595.5	595.5	595.5	595.5	595.5	595.5	595.5	595.5	595.5	595.5	595.5	595.5	595.5
	15	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
	20	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7
	25	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6
	30	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4
	35	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
	40	448.2	448.2	448.2	448.2	448.2	448.2	448.2	448.2	448.2	448.2	448.2	448.2	448.2	448.2	448.2
	45	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8
	50	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4	369.4
	55	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0
	60	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1	285.1
	65	245.2	245.2	245.2	245.2	245.2	245.2	245.2	245.2	245.2	245.2	245.2	245.2	245.2	245.2	245.2
	70	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7
	75	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5
	80	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7	142.7
	85	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9
	90	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
	95	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
	100	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
	105	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
	110	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
	115	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
	120	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
	125	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
	130	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
	135	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
	140	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	5.0
	145	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	4.3
	150	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	155	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	160	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	165	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
	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	6575	6575
	45	7579	7579
	55	5565	5565
	65	3979	3979
	75	2794	2794
	85	1889	1889



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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	77	74
2	95	86	78	72	92	83	76	71	79	73	68	74	70	65	70	66	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	54	62	57	53	50
4	79	66	57	50	76	64	56	49	61	53	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	44	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	28
8	58	44	35	29	56	43	34	29	41	33	28	39	32	28	37	31	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	29	25	35	29	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

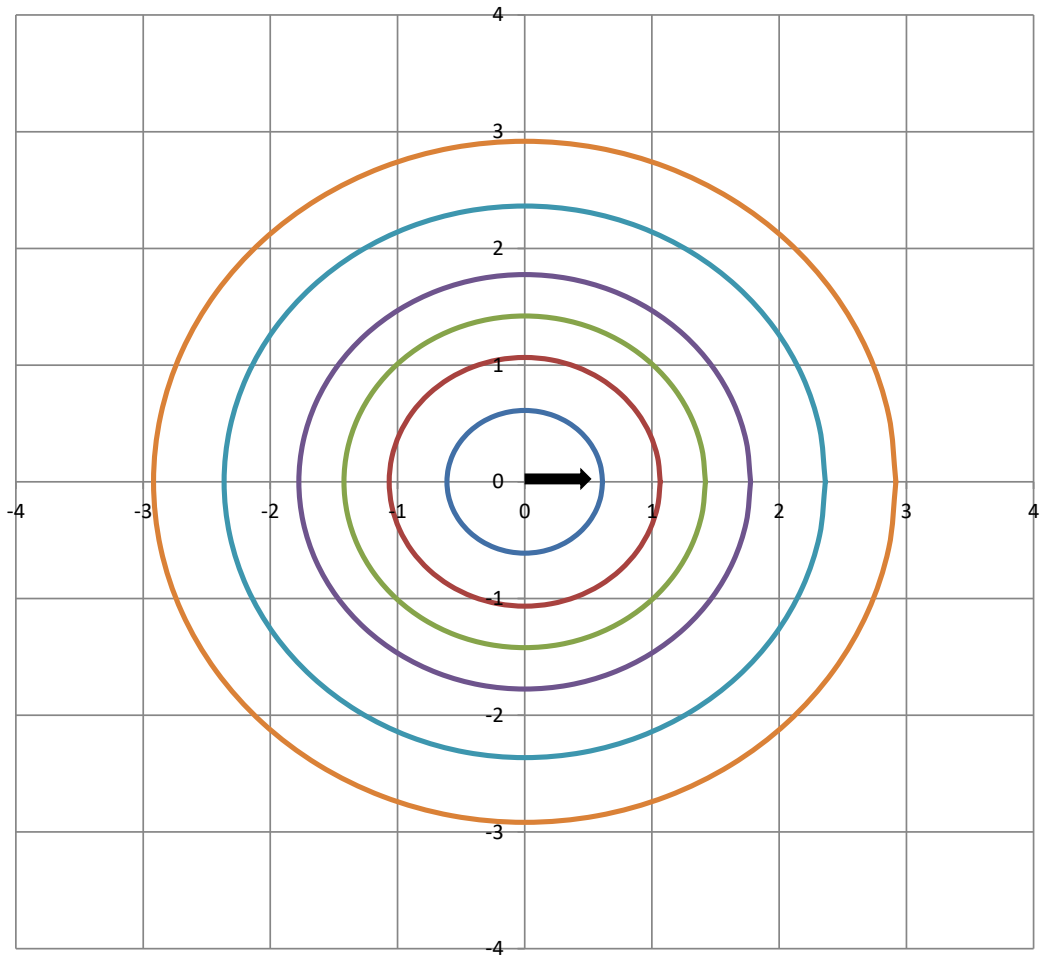
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	607.2 Candela
Central Cone Intensity:	606 Candela
Beam Flux:	1322.3 Lumens
Beam Angle (0-180):	115.6 Degrees
Beam Angle (90-270):	115.6 Degrees
Field Angle (0-180):	191.0 Degrees
Field Angle (90-270):	191.0 Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		37.9	5.05
6.00		16.9	7.57
8.00		9.49	10.1
10.0		6.07	12.6
12.0		4.22	15.1
14.0		3.10	17.7
16.0		2.37	20.2



ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

