



Distribution - Goniophotometer

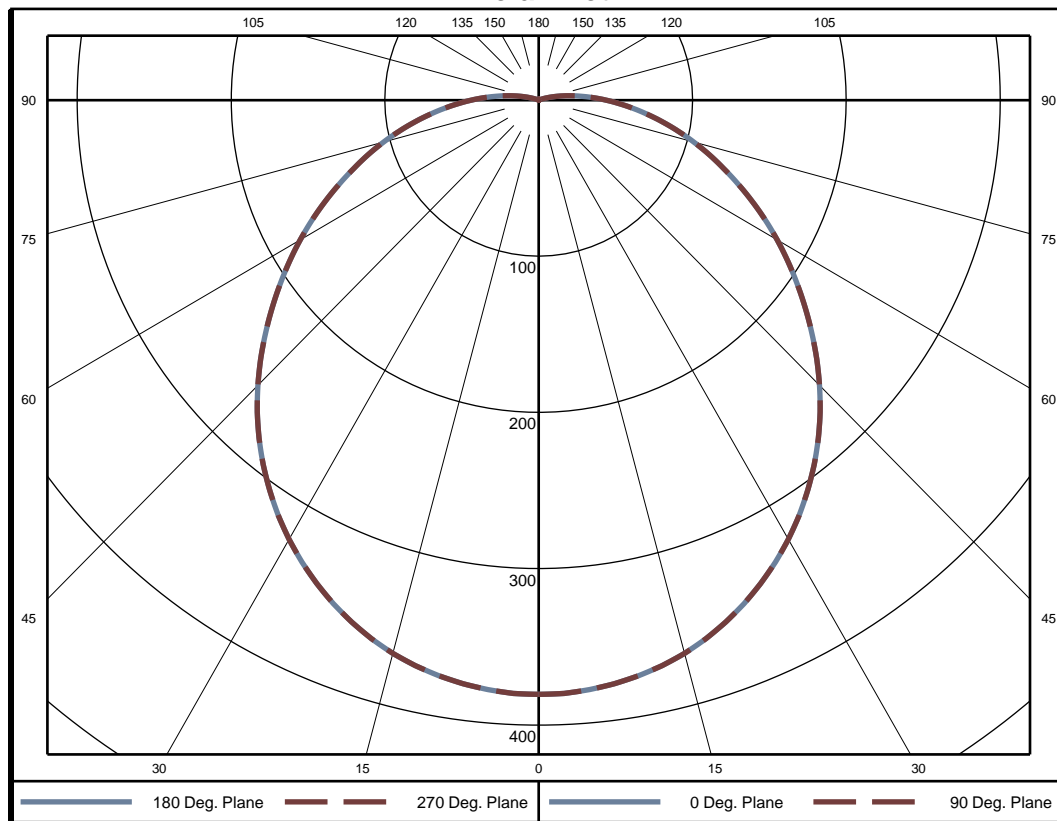
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	120.1 VAC	0.1935 A	22.91 W	0.986	60 Hz	7.30 %

Summary of Results

Spacing Criteria	Total Lumen Output:	1240 Lumens
0-180: 1.27	Luminaire Efficacy:	54.1 lm/w
90-270: 1.27	Maximum Candela:	380 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)		
Crosswise: 22	Endwise: 22	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	9.1	0.7%	60-65	80.7	6.5%	120-125	0.0	0.0%
5-10	26.9	2.2%	65-70	71.0	5.7%	125-130	0.0	0.0%
10-15	44.0	3.5%	70-75	60.8	4.9%	130-135	0.0	0.0%
15-20	59.5	4.8%	75-80	50.0	4.0%	135-140	0.1	0.0%
20-25	73.1	5.9%	80-85	39.1	3.2%	140-145	0.1	0.0%
25-30	84.3	6.8%	85-90	28.8	2.3%	145-150	0.1	0.0%
30-35	92.7	7.5%	90-95	19.5	1.6%	150-155	0.1	0.0%
35-40	98.1	7.9%	95-100	11.6	0.9%	155-160	0.1	0.0%
40-45	100.2	8.1%	100-105	5.6	0.5%	160-165	0.1	0.0%
45-50	99.0	8.0%	105-110	1.7	0.1%	165-170	0.1	0.0%
50-55	94.9	7.7%	110-115	0.1	0.0%	170-175	0.0	0.0%
55-60	88.8	7.2%	115-120	0.0	0.0%	175-180	0.0	0.0%

Zone	Lumens	% of Luminaire
0-40	488	39.3%
0-60	871	70.2%
0-90	1201	96.9%
90-180	39	3.2%



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	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5
	5	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9
	10	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2	374.2
	15	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7	366.7
	20	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6
	25	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5	341.5
	30	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7
	35	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0	305.0
	40	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8
	45	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2	258.2
	50	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8	231.8
	55	205.2	205.2	205.2	205.2	205.2	205.2	205.2	205.2	205.2	205.2	205.2	205.2	205.2	205.2	205.2
	60	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1	179.1
	65	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0	153.0
	70	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9	127.9
	75	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7
	80	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
	85	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
	90	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
	95	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
	100	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
	105	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
	110	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	115	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
	120	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
	125	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
	130	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
	135	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	140	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	145	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	150	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
	155	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
	160	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
	165	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
	170	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
	175	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
	180	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

Vertical Angle (Degrees)	Horizontal Angle (Degrees)			
	0	45	90	
	0	6206	6206	6206
	45	4836	4836	4836
	55	4384	4384	4384
	65	3946	3946	3946
	75	3541	3541	3541
	85	3176	3176	3176



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	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	106	101	96	91	103	98	93	89	93	89	86	89	86	83	84	82	80	77
2	96	87	79	73	93	85	78	72	80	75	70	77	72	68	73	69	66	63
3	87	76	67	60	84	74	66	59	70	64	58	67	61	56	64	59	55	53
4	80	67	58	51	77	65	57	50	62	55	49	60	53	48	57	51	47	45
5	73	60	50	43	71	58	49	43	56	48	42	53	47	41	51	45	41	38
6	67	54	44	38	65	52	44	37	50	43	37	48	41	36	46	40	36	33
7	62	49	39	33	61	48	39	33	46	38	32	44	37	32	42	36	32	29
8	58	44	36	29	56	43	35	29	42	34	29	40	33	29	39	33	28	26
9	54	41	32	26	53	40	32	26	38	31	26	37	30	26	36	30	25	23
10	51	37	29	24	49	37	29	24	36	28	24	34	28	23	33	27	23	21

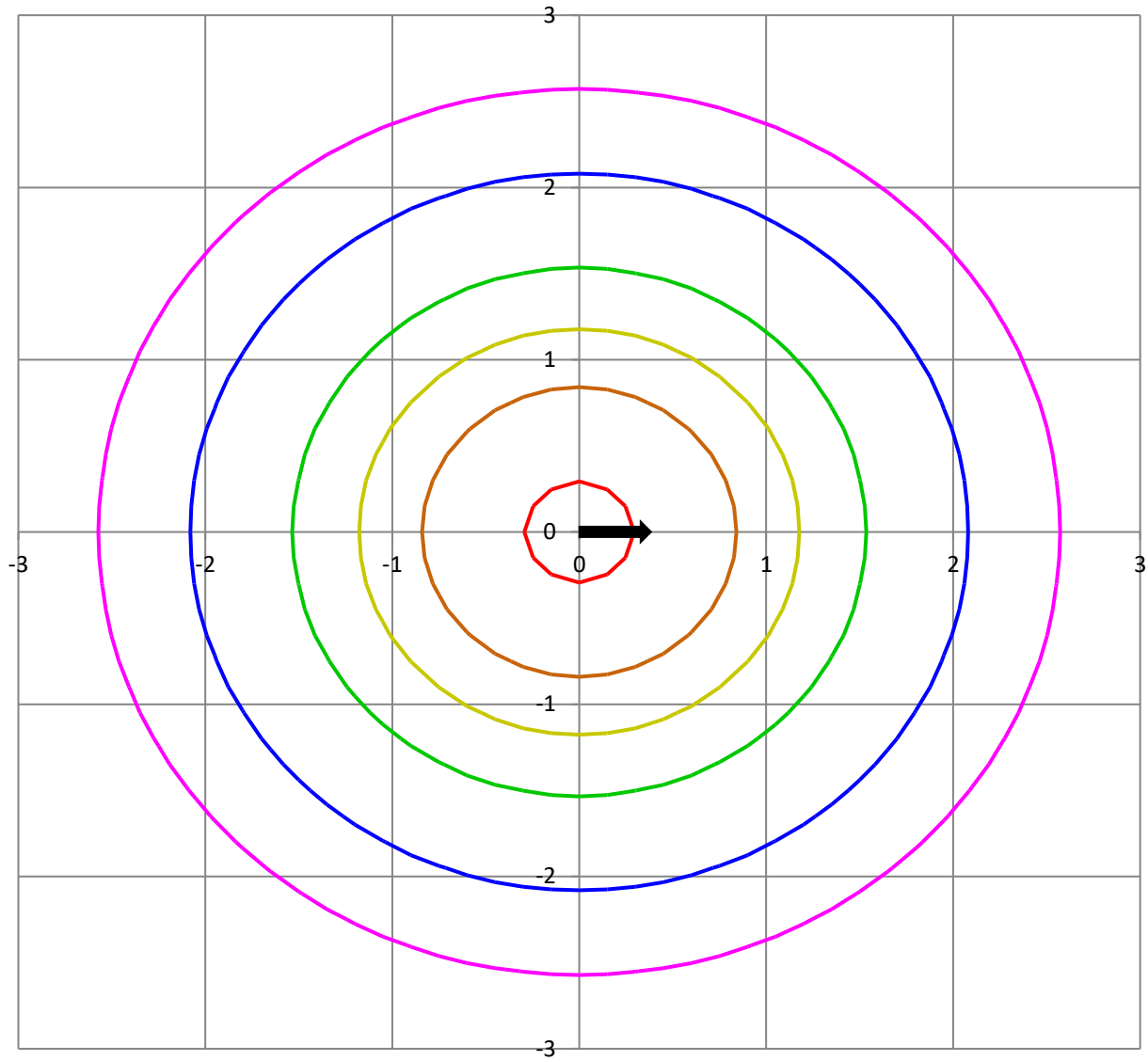
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	380.5 Candela
Central Cone Intensity:	380 Candela
Beam Flux:	833.2 Lumens
Beam Angle (0-180):	115.7 Degrees
Beam Angle (90-270):	115.7 Degrees
Field Angle (0-180):	183.4 Degrees
Field Angle (90-270):	183.4 Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		23.8	5.07
6.00		10.6	7.61
8.00		5.94	10.1
10.0		3.80	12.7
12.0		2.64	15.2
14.0		1.94	17.7
16.0		1.49	20.3



ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

