



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL37678.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL37678 DATE: 1-09-1991
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.
 CATALOG NUMBER: 822 (LC = 7.5")
 LUMINAIRE: FORMED ACRYLIC PRISMATIC REFLECTOR REFRACTOR WITH WHITE-PAINTED UPPER COLLAR, OPEN BOTTOM.
 LAMP: DIFFUSE 400-WATT HIGH PRESSURE SODIUM, BASE UP, RATED 47500 LUMENS.
 MOUNTING: PENDANT
 THE ARC TUBE VOLTAGE RISE= 0.0

CHARACTERISTICS

Total Rated Lamp Lumens	47500
Total Luminaire Efficiency	95.9 %
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	400
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.28
Spacing Criteria (90-270)	2.28
Spacing Criteria (Diagonal)	1.94
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL37678.IES

CANDELA TABULATION

	<u>0</u>
0	5964.0
5	6269.0
10	6589.0
15	7240.0
20	8058.0
25	8924.0
30	10086.0
35	12040.0
40	12951.0
45	12069.0
50	9492.0
55	6605.0
60	4318.0
65	2694.0
70	1723.0
75	1770.0
80	1980.0
85	2148.0
90	2268.0
95	2338.0
100	2300.0
105	2195.0
110	2018.0
115	1805.0
120	1536.0
125	1263.0
130	964.5
135	713.8
140	536.2
145	504.4
150	580.6
155	758.2
160	821.7
165	523.5
170	425.1
175	250.6
180	190.4

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL37678.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	6874.14	14.5	15.1
0-40	14301.91	30.1	31.4
0-60	29316.12	61.7	64.3
0-90	36386.39	76.6	79.9
90-120	6605.57	13.9	14.5
90-130	7736.89	16.3	17
90-150	8640.85	18.2	19
90-180	9172.56	19.3	20.1
0-180	45558.95	95.9	100

Total Luminaire Efficiency = 95.9%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	606.21
10-20	2081.1
20-30	4186.83
30-40	7427.77
40-50	8989.37
50-60	6024.85
60-70	2823.04
70-80	1916.41
80-90	2330.81
90-100	2521.41
100-110	2303.95
110-120	1780.21
120-130	1131.31
130-140	570.57
140-150	333.39
150-160	335.13
160-170	167.13
170-180	29.44

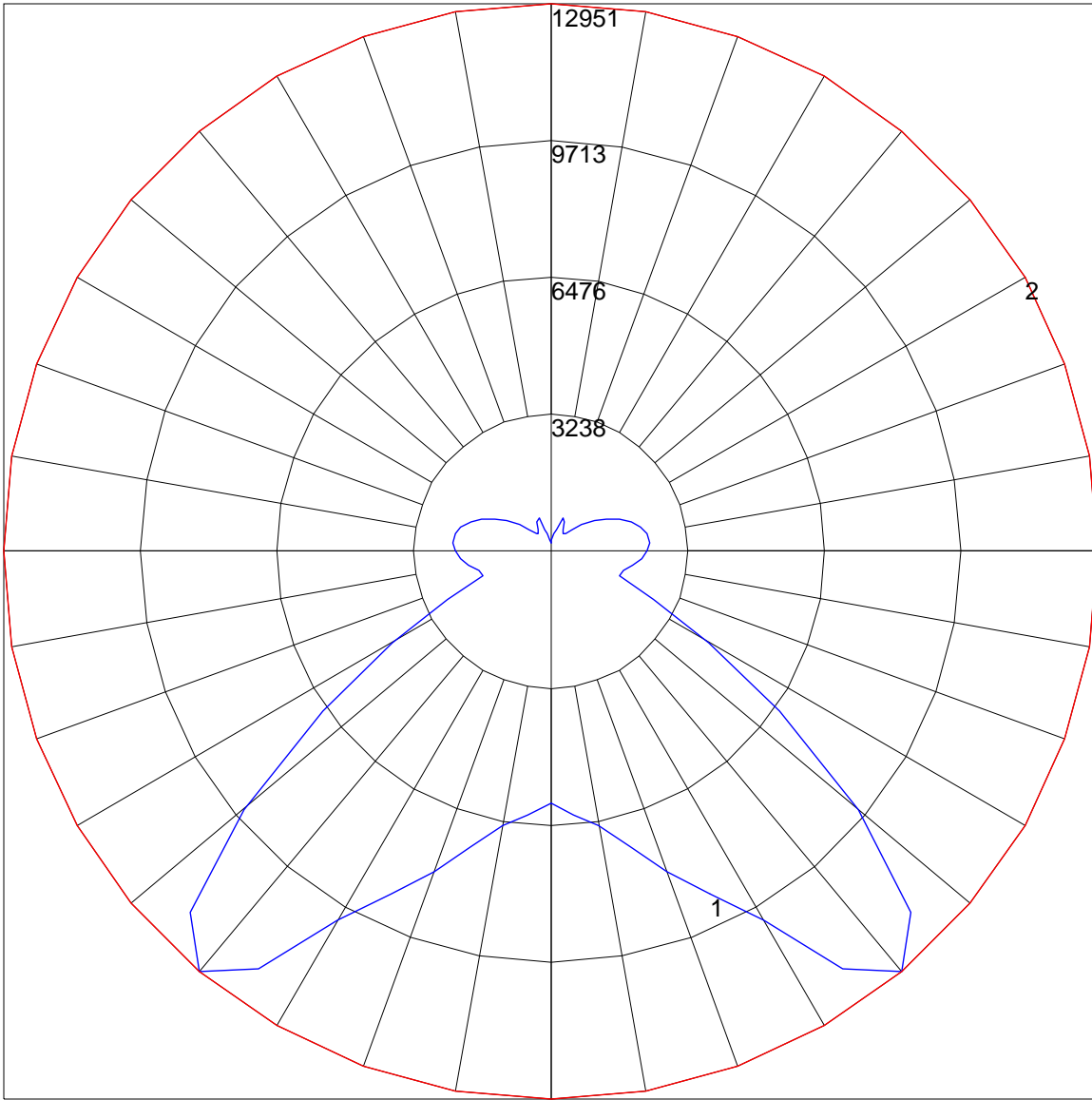
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL37678.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	110	110	110	110	105	105	105	105	96	96	96	88	88	88	80	80	80	77
1	99	94	90	86	94	90	86	83	82	79	76	75	73	71	69	67	65	62
2	90	82	75	70	86	78	72	67	72	67	63	66	62	59	60	57	54	51
3	82	72	64	58	78	69	62	56	63	57	52	58	53	49	53	49	46	43
4	75	63	55	48	71	61	53	47	56	49	44	51	46	42	47	43	39	36
5	68	56	47	41	65	54	46	40	50	43	38	46	40	36	42	37	33	31
6	63	50	41	35	60	48	40	34	44	38	32	41	35	31	38	33	29	27
7	58	45	36	30	55	43	35	30	40	33	28	37	31	27	34	29	25	23
8	53	40	32	27	51	39	31	26	36	29	25	33	28	23	31	26	22	20
9	49	37	29	23	47	35	28	23	33	26	22	30	25	21	28	23	20	18
10	46	33	26	21	44	32	25	20	30	24	19	28	22	18	26	21	17	16

POLAR GRAPH



Maximum Candela = 12951 Located At Horizontal Angle = 0, Vertical Angle = 40
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (40) (Through Max. Cd.)