



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL36956.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL36956 DATE: 5-23-1990
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.
 CATALOG NUMBER: 812 ACRYLIC (LCL = 4.4)
 LUMINAIRE: FORMED PRISMATIC ACRYLIC REFLECTOR/REFRACTOR WITH WHITE
 PAINTED UPPER SUPPORT RING, OPEN BOTTOM.
 LAMP: DIFFUSE 150-WATT, MEDIUM BASE HIGH PRESSURE SODIUM,
 BASE UP POSITION, RATED 16000 LUMENS.
 MOUNTING: PENDANT
 THE ARC TUBE VOLTAGE RISE= 0.0

CHARACTERISTICS

Total Rated Lamp Lumens	16000
Total Luminaire Efficiency	94.3 %
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	150
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.34
Spacing Criteria (90-270)	2.34
Spacing Criteria (Diagonal)	1.92
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 : ITL36956.IES

CANDELA TABULATION

	<u>0</u>
0	2043.00
5	2194.00
10	2621.00
15	3003.00
20	3440.00
25	3858.00
30	4159.00
35	4513.00
40	4831.00
45	4741.00
50	3575.00
55	1847.00
60	738.70
65	475.40
70	424.00
75	452.90
80	468.90
85	501.10
90	523.50
95	555.70
100	571.70
105	568.50
110	546.00
115	481.80
120	404.70
125	318.00
130	231.30
135	189.50
140	199.10
145	285.90
150	363.00
155	440.00
160	491.40
165	424.00
170	202.40
175	99.60
180	96.36

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL36956.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2867.49	17.9	19
0-40	5703.48	35.6	37.8
0-60	10932.78	68.3	72.4
0-90	12475.64	78	82.6
90-120	1673.99	10.5	11.1
90-130	1960.47	12.3	13
90-150	2293.93	14.3	15.2
90-180	2618.98	16.4	17.4
0-180	15094.62	94.3	100

Total Luminaire Efficiency = 94.3%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	222.9
10-20	864.61
20-30	1779.98
30-40	2835.99
40-50	3452.7
50-60	1776.6
60-70	522.88
70-80	475.86
80-90	544.12
90-100	601.84
100-110	596.4
110-120	475.76
120-130	286.49
130-140	156.98
140-150	176.47
150-160	199.31
160-170	112.6
170-180	13.15

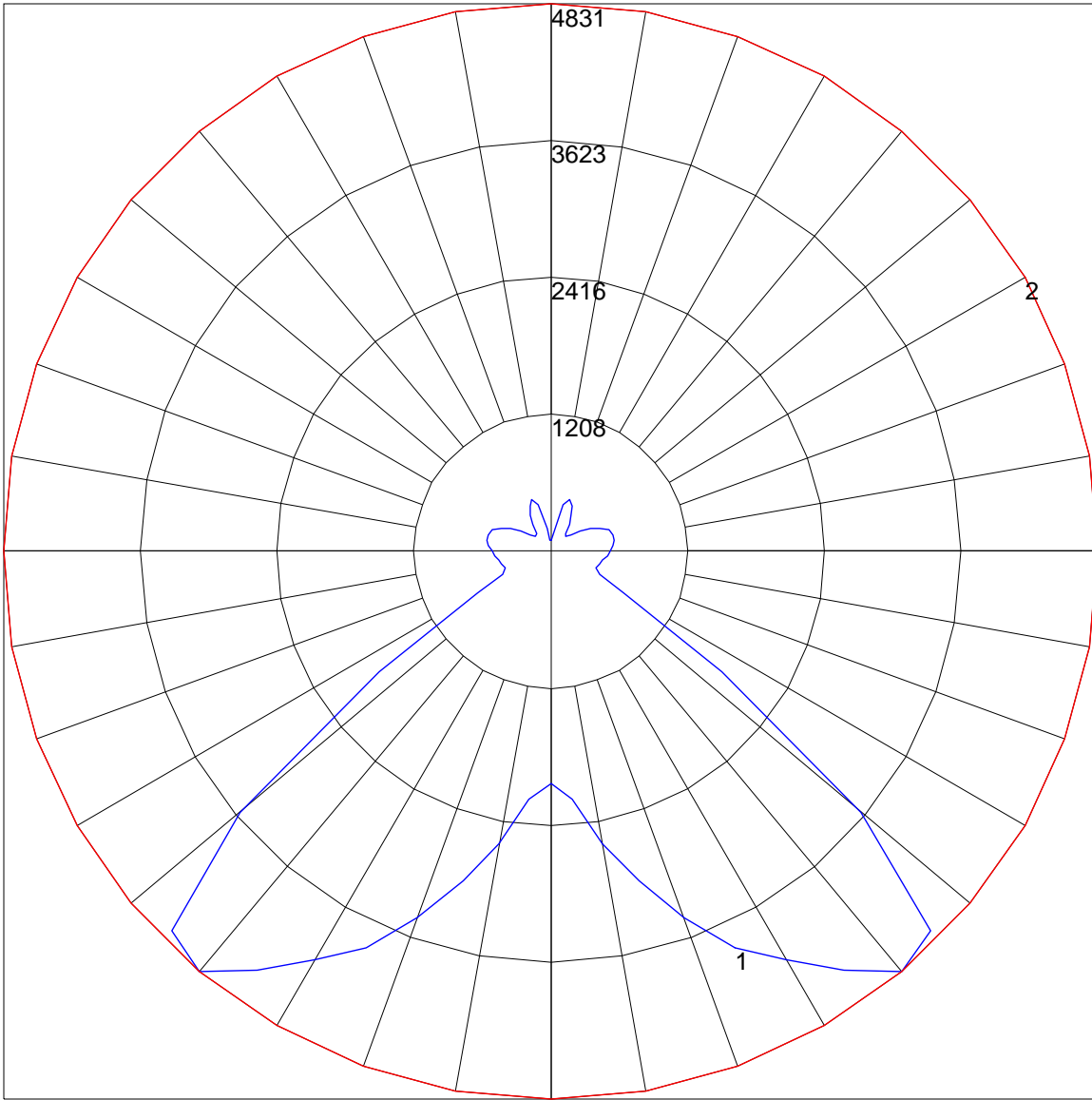
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL36956.IES

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	108	108	108	108	104	104	104	104	96	96	96	88	88	88	81	81	81	78
1	99	95	91	87	95	91	87	84	84	81	79	78	75	73	72	70	68	65
2	91	83	77	72	87	80	75	70	74	70	66	69	65	62	64	61	58	56
3	83	74	66	61	79	71	64	59	66	60	56	61	57	53	57	53	50	47
4	76	65	57	51	73	63	56	50	59	53	48	54	49	45	51	47	43	41
5	70	58	50	44	67	56	49	43	52	46	41	49	43	39	46	41	37	35
6	64	52	44	38	61	50	43	37	47	41	36	44	38	34	41	36	33	30
7	59	47	39	33	57	45	38	33	42	36	31	40	34	30	37	32	29	27
8	55	42	35	29	52	41	34	29	38	32	27	36	30	26	34	29	25	23
9	51	38	31	26	49	37	30	25	35	29	24	33	27	23	31	26	22	21
10	47	35	28	23	45	34	27	23	32	26	22	30	25	21	28	23	20	18

POLAR GRAPH



Maximum Candela = 4831 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.)