



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL36955.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL36955 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: CLEAR 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	93.9 %
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	150
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.50
Spacing Criteria (90-270)	2.50
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 : ITL36955.IES

CANDELA TABULATION

	<u>0</u>
0	1547.00
5	1700.00
10	2454.00
15	3268.00
20	3914.00
25	4211.00
30	4591.00
35	4995.00
40	5438.00
45	5471.00
50	3759.00
55	1179.00
60	425.00
65	380.10
70	362.10
75	365.10
80	377.10
85	398.00
90	431.00
95	499.80
100	520.70
105	514.70
110	478.80
115	425.00
120	317.20
125	203.50
130	116.70
135	134.70
140	236.40
145	335.20
150	386.10
155	389.10
160	344.20
165	230.40
170	119.70
175	95.77
180	89.78

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL36955.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3084.8	19.3	20.5
0-40	6237.08	39	41.5
0-60	11566.47	72.3	77
0-90	12776.39	79.9	85.1
90-120	1478.16	9.2	9.8
90-130	1668.14	10.4	11.1
90-150	1989.24	12.4	13.2
90-180	2242.3	14	14.9
0-180	15018.69	93.9	100

Total Luminaire Efficiency = 93.9%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	187.42
10-20	931.32
20-30	1966.06
30-40	3152.27
40-50	3884.95
50-60	1444.45
60-70	383.65
70-80	388.67
80-90	437.6
90-100	532.15
100-110	536.73
110-120	409.28
120-130	189.98
130-140	119.51
140-150	201.58
150-160	175.01
160-170	68.12
170-180	9.93

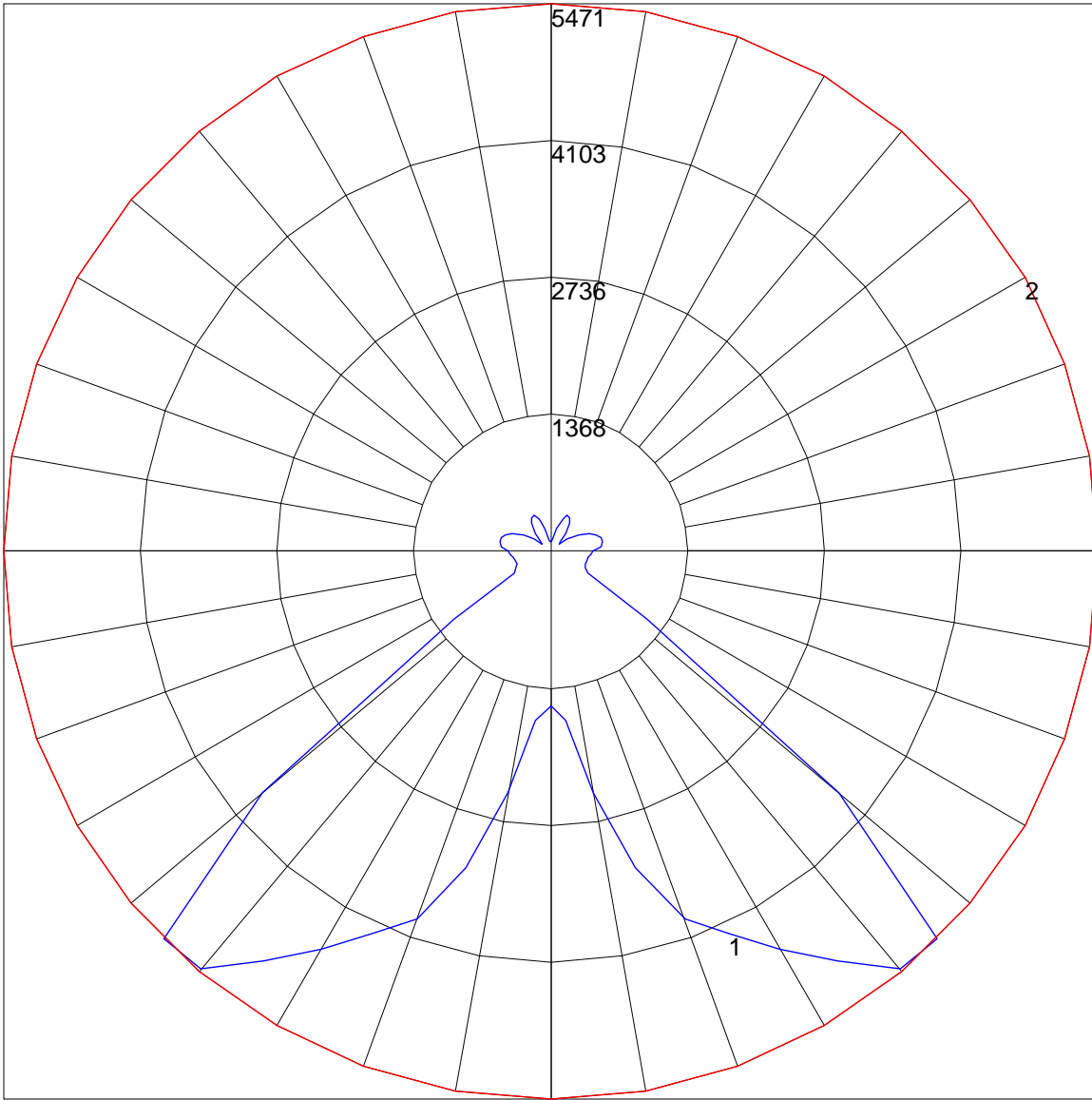
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL36955.IES

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	108	104	104	104	104	97	97	97	89	89	89	83	83	83	80
1	100	95	92	88	88	96	92	89	86	85	83	80	79	77	76	74	72	71	68
2	91	84	79	74	74	88	81	76	72	76	72	68	71	67	64	66	63	61	58
3	84	75	68	62	62	80	72	66	61	68	62	58	63	59	55	59	56	53	50
4	77	67	59	53	53	74	64	58	52	60	55	50	57	52	48	53	49	46	43
5	71	60	52	46	46	68	58	50	45	54	48	43	51	46	42	48	43	40	38
6	65	53	45	40	40	63	52	44	39	49	42	38	46	40	36	43	39	35	33
7	60	48	40	35	35	58	47	39	34	44	38	33	41	36	32	39	34	31	29
8	56	43	36	30	30	53	42	35	30	40	34	29	38	32	28	36	31	27	25
9	52	39	32	27	27	50	38	31	27	36	30	26	34	29	25	32	28	24	22
10	48	36	29	24	24	46	35	28	24	33	27	23	31	26	22	30	25	21	20

POLAR GRAPH



Maximum Candela = 5471 Located At Horizontal Angle = 0, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)