



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL36980.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL36980 DATE: 6-14-1990
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.
 CATALOG NUMBER: 812 ACRYLIC (LCL=4.0")
 LUMINAIRE: FORMED PRISMATIC ACRYLIC REFLECTOR/REFRACTOR WITH WHITE
 PAINTED UPPER SUPPORT RING, OPEN BOTTOM.
 LAMP: PHOSPHOR COATED 70-WATT, MEDIUM BASE METAL HALIDE.
 RATED 5000 LUMENS. BASE UP POSITION.
 MOUNTING: PENDANT

CHARACTERISTICS

Total Rated Lamp Lumens	5000
Total Luminaire Efficiency	96.3 %
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	70
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.16
Spacing Criteria (90-270)	2.16
Spacing Criteria (Diagonal)	1.78
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

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CANDELA TABULATION

	<u>0</u>
0	800.70
5	846.00
10	944.30
15	1028.00
20	1179.00
25	1326.00
30	1400.00
35	1532.00
40	1623.00
45	1493.00
50	954.90
55	474.50
60	249.30
65	141.00
70	130.20
75	139.60
80	146.80
85	155.50
90	163.90
95	173.40
100	177.30
105	172.10
110	159.90
115	150.40
120	128.80
125	106.40
130	88.53
135	76.94
140	77.99
145	90.64
150	114.90
155	156.00
160	161.30
165	113.60
170	63.76
175	32.67
180	32.41

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	990.32	19.8	20.6
0-40	1948.47	39	40.5
0-60	3498.16	70	72.7
0-90	3978.46	79.6	82.6
90-120	514.36	10.3	10.7
90-130	611.11	12.2	12.7
90-150	731.64	14.6	15.2
90-180	836.6	16.7	17.4
0-180	4815.06	96.3	100

Total Luminaire Efficiency = 96.3%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.73
10-20	298.88
20-30	607.71
30-40	958.15
40-50	1071.59
50-60	478.1
60-70	163.55
70-80	147.15
80-90	169.6
90-100	187.65
100-110	180.27
110-120	146.44
120-130	96.75
130-140	62.12
140-150	58.4
150-160	67.56
160-170	33.18
170-180	4.23

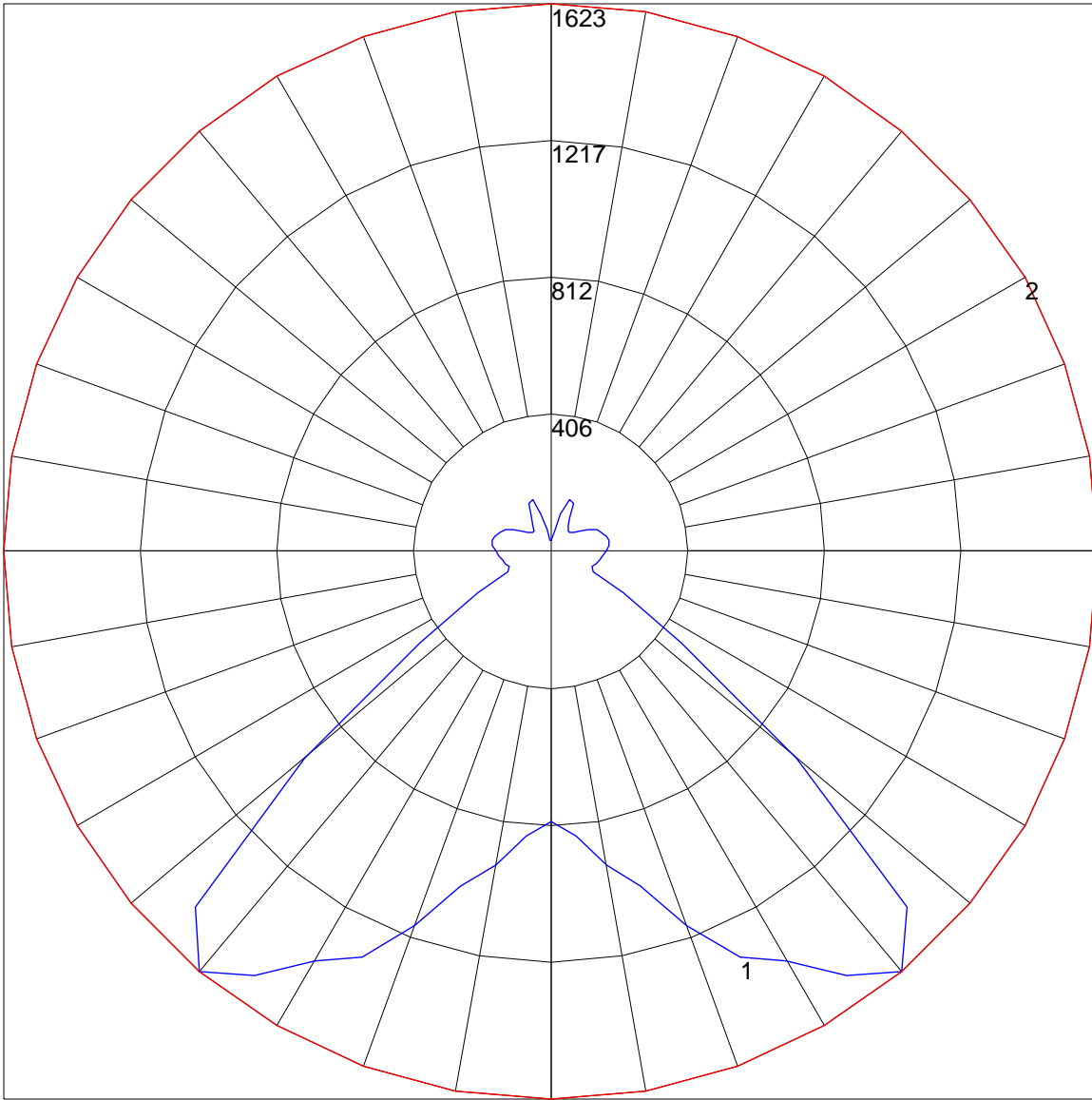
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	111	111	111	111	106	106	106	106	98	98	98	90	90	90	83	83	83	80
1	101	97	93	89	89	97	93	90	86	86	83	81	79	77	75	73	72	70	67
2	93	85	79	74	74	89	82	77	72	76	72	68	71	67	64	65	63	60	57
3	85	76	68	63	63	81	73	66	61	68	62	58	63	59	55	59	55	52	49
4	78	67	59	53	53	75	65	58	52	61	55	50	56	51	47	53	48	45	42
5	72	60	52	46	46	69	58	51	45	54	48	43	51	45	41	47	43	39	37
6	66	54	46	40	40	63	52	45	39	49	42	38	46	40	36	43	38	34	32
7	61	49	41	35	35	59	47	40	34	44	38	33	41	36	32	39	34	30	28
8	57	44	36	31	31	54	43	35	30	40	34	29	38	32	28	35	31	27	25
9	53	40	33	27	27	50	39	32	27	37	30	26	34	29	25	32	28	24	22
10	49	37	29	24	24	47	36	29	24	34	27	23	32	26	22	30	25	21	20

POLAR GRAPH



Maximum Candela = 1623 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.)