



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL37599.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL37599 DATE: 11-28-1990
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.
 CATALOG NUMBER: 822 WITH 2% WHITE, LC = 8.0"
 LUMINAIRE: FORMED ACRYLIC (WITH 2% WHITE) REFLECTOR/REFRACTOR WITH
 WHITE-PAINTED UPPER COLLAR, OPEN BOTTOM.
 LAMP: CLEAR 400-WATT METAL HALIDE, BASE UP, RATED 36000 LUMENS.
 MOUNTING: PENDANT

CHARACTERISTICS

Total Rated Lamp Lumens	36000
Total Luminaire Efficiency	95.3 %
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	400
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.04
Spacing Criteria (90-270)	2.04
Spacing Criteria (Diagonal)	1.76
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	5695.0
5	5408.0
10	5326.0
15	5386.0
20	5815.0
25	6468.0
30	7149.0
35	7521.0
40	8174.0
45	8404.0
50	6174.0
55	3579.0
60	2453.0
65	2129.0
70	1971.0
75	1924.0
80	1927.0
85	1939.0
90	1905.0
95	1870.0
100	1889.0
105	1876.0
110	1804.0
115	1621.0
120	1378.0
125	1091.0
130	801.0
135	722.1
140	655.9
145	741.0
150	1082.0
155	1539.0
160	1520.0
165	734.7
170	539.2
175	428.9
180	340.6

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	5086.77	14.1	14.8
0-40	9865.63	27.4	28.7
0-60	19395.78	53.9	56.5
0-90	25699.34	71.4	74.9
90-120	5620.63	15.6	16.4
90-130	6602.72	18.3	19.2
90-150	7667.14	21.3	22.3
90-180	8624.88	24	25.1
0-180	34324.22	95.3	100

Total Luminaire Efficiency = 95.3%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	516.72
10-20	1558.55
20-30	3011.5
30-40	4778.85
40-50	6015.25
50-60	3514.91
60-70	2152.04
70-80	2048.51
80-90	2103
90-100	2055.03
100-110	1969.3
110-120	1596.3
120-130	982.09
130-140	562.91
140-150	501.51
150-160	652.52
160-170	261.39
170-180	43.83

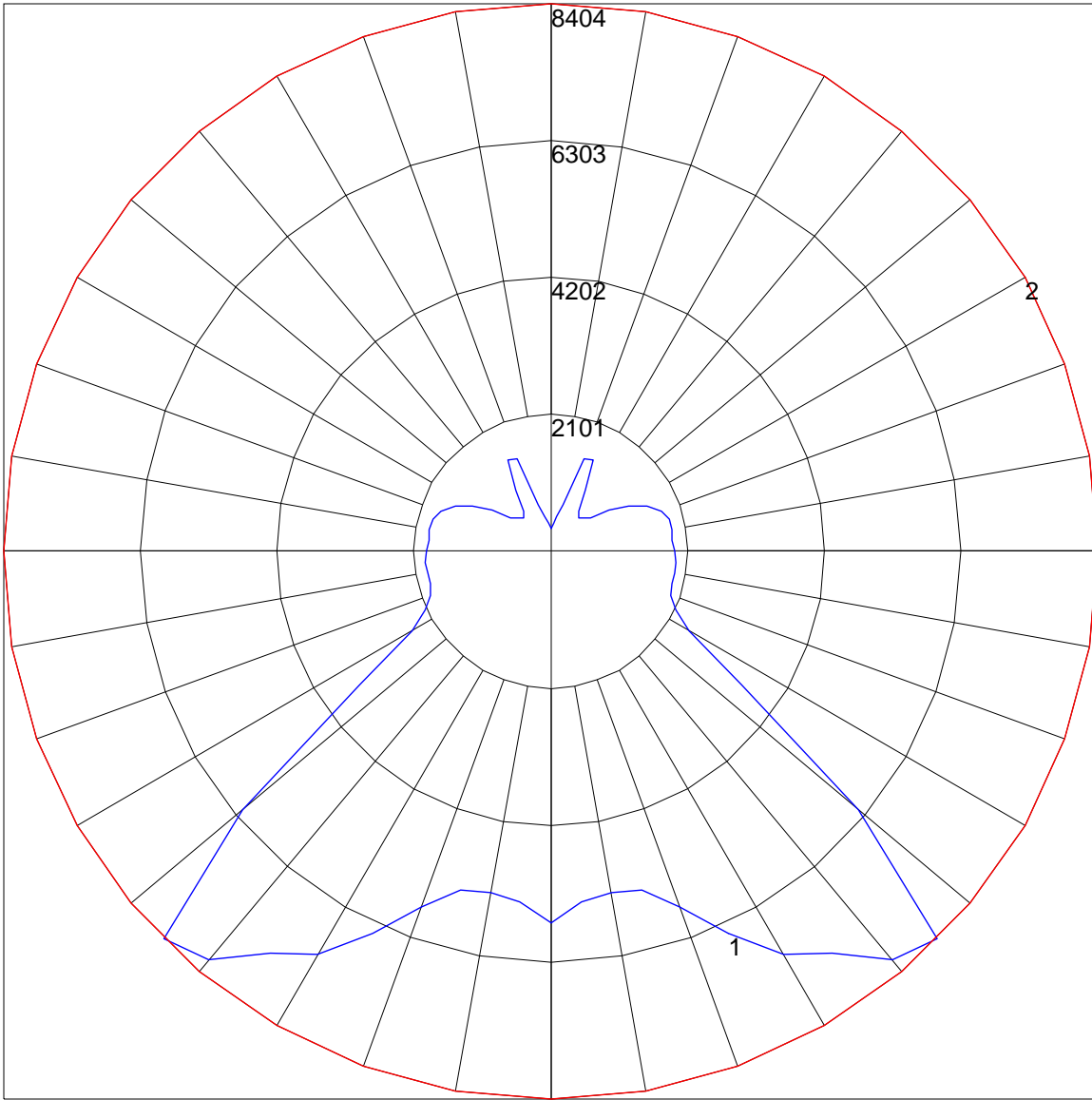
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	108	108	108	103	103	103	103	93	93	93	84	84	84	75	75	75	71
1	97	91	87	83	92	87	83	79	78	75	72	71	68	66	64	62	60	56
2	88	79	72	67	83	75	69	64	68	63	59	61	58	54	55	52	49	46
3	80	69	61	55	75	66	59	53	60	54	49	54	49	45	49	45	42	39
4	73	61	53	46	69	58	51	45	53	47	42	48	43	38	43	39	35	33
5	67	54	46	39	63	52	44	38	47	41	36	43	37	33	39	34	31	28
6	61	49	40	34	58	46	39	33	42	36	31	38	33	29	35	30	26	24
7	56	44	35	30	53	42	34	29	38	32	27	35	29	25	31	27	23	21
8	52	39	31	26	49	38	30	25	35	28	24	32	26	22	29	24	20	18
9	49	36	28	23	46	34	27	22	32	25	21	29	23	19	26	22	18	16
10	45	33	25	20	43	31	24	20	29	23	19	26	21	17	24	20	16	14

POLAR GRAPH



Maximum Candela = 8404 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.)