



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL37600.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL37600 DATE: 11-27-1990
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.
 CATALOG NUMBER: 822 WITH 2% WHITE, LC = 8.375"
 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	94.3 %
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	400
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	1.88
Spacing Criteria (90-270)	1.88
Spacing Criteria (Diagonal)	1.68
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	6291.0
5	5891.0
10	5793.0
15	5850.0
20	6319.0
25	7019.0
30	7574.0
35	7887.0
40	8530.0
45	7672.0
50	5768.0
55	2964.0
60	2321.0
65	2043.0
70	1930.0
75	1886.0
80	1886.0
85	1879.0
90	1816.0
95	1823.0
100	1838.0
105	1816.0
110	1719.0
115	1517.0
120	1265.0
125	1003.0
130	810.4
135	725.3
140	684.3
145	908.2
150	1331.0
155	1659.0
160	1507.0
165	744.2
170	539.2
175	432.0
180	350.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	5502.82	15.3	16.2
0-40	10518.62	29.2	31
0-60	19354.54	53.8	57
0-90	25462.91	70.7	75
90-120	5388.55	15	15.9
90-130	6307.09	17.5	18.6
90-150	7473.83	20.8	22
90-180	8490.03	23.6	25
0-180	33952.94	94.3	100

Total Luminaire Efficiency = 94.3%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	563.61
10-20	1693.55
20-30	3245.67
30-40	5015.79
40-50	5715.68
50-60	3120.24
60-70	2066.89
70-80	2006.72
80-90	2034.76
90-100	1991.17
100-110	1901.7
110-120	1495.69
120-130	918.54
130-140	571.31
140-150	595.43
150-160	710.44
160-170	261.66
170-180	44.09

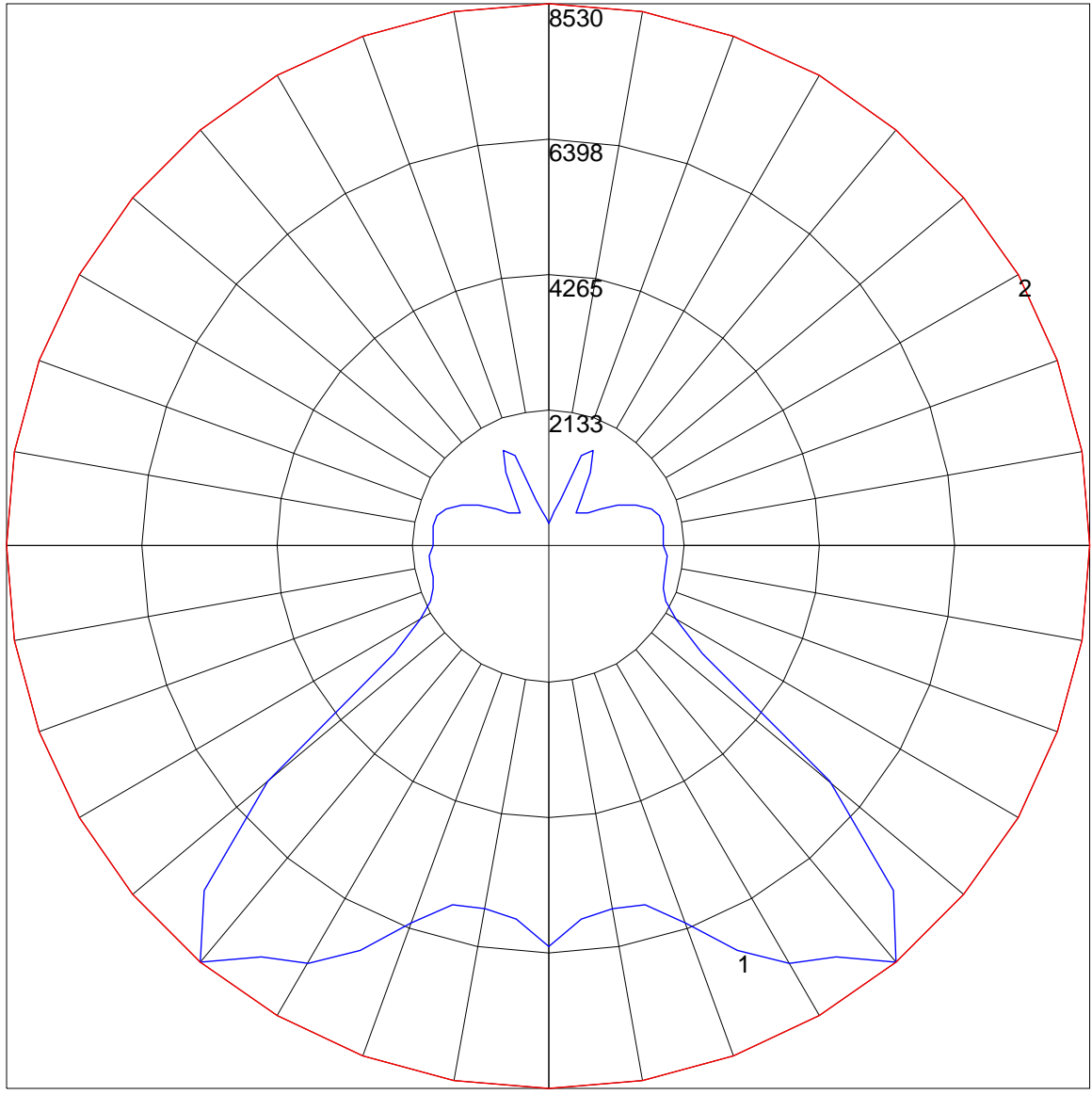
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	101	101	101	101	92	92	92	83	83	83	75	75	75	71
1	96	91	86	82	91	86	82	79	78	75	72	70	68	66	63	61	60	56
2	87	79	72	67	82	75	69	64	68	63	59	61	57	54	55	52	50	46
3	79	69	61	55	75	66	59	53	60	54	49	54	49	46	49	45	42	39
4	72	61	53	47	68	58	51	45	53	47	42	48	43	39	43	39	36	33
5	66	54	46	40	63	52	44	39	47	41	36	43	38	34	39	35	31	28
6	61	49	40	34	58	47	39	33	43	36	31	39	33	29	35	31	27	25
7	56	44	36	30	53	42	35	29	38	32	27	35	30	26	32	27	24	22
8	52	40	32	26	50	38	31	26	35	29	24	32	27	23	29	25	21	19
9	49	36	29	23	46	35	28	23	32	26	21	29	24	20	27	22	19	17
10	45	33	26	21	43	32	25	20	29	23	19	27	22	18	25	20	17	15

POLAR GRAPH



Maximum Candela = 8530 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.)