



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL37107.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL37107 DATE: 7-16-1990
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.
 CATALOG NUMBER: 822 (LC=8.375)
 LUMINAIRE: FORMED ACRYLIC REFLECTOR/REFRACTOR WITH WHITE-PAINTED
 UPPER COLLAR, OPEN BOTTOM.
 LAMPS: PHOSPHOR-COATED 400-WATT METAL HALIDE, BASE UP, RATED 36000
 LUMENS.
 MOUNTING: PENDANT

CHARACTERISTICS

Total Rated Lamp Lumens	36000
Total Luminaire Efficiency	96.5 %
Luminaire Efficacy Rating (LER)	87
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)	1.68
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	5413.0
5	5642.0
10	6081.0
15	6616.0
20	7608.0
25	9149.0
30	10680.0
35	12340.0
40	11997.0
45	8074.0
50	4993.0
55	3123.0
60	1920.0
65	1198.0
70	1189.0
75	1308.0
80	1436.0
85	1523.0
90	1568.0
95	1660.0
100	1660.0
105	1600.0
110	1495.0
115	1312.0
120	1106.0
125	887.0
130	713.2
135	608.1
140	566.9
145	562.4
150	548.7
155	544.1
160	562.4
165	566.9
170	516.6
175	425.2
180	406.9

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	6743.84	18.7	19.4
0-40	14194.14	39.4	40.8
0-60	23481.19	65.2	67.6
0-90	27880.85	77.4	80.2
90-120	4765.81	13.2	13.7
90-130	5574.43	15.5	16
90-150	6411.01	17.8	18.5
90-180	6866.34	19.1	19.8
0-180	34747.19	96.5	100

Total Luminaire Efficiency = 96.5%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	551.53
10-20	1925.43
20-30	4266.88
30-40	7450.3
40-50	6356.69
50-60	2930.36
60-70	1362.4
70-80	1386.89
80-90	1650.37
90-100	1785.97
100-110	1681.27
110-120	1298.57
120-130	808.61
130-140	484.55
140-150	352.03
150-160	254.35
160-170	157.34
170-180	43.64

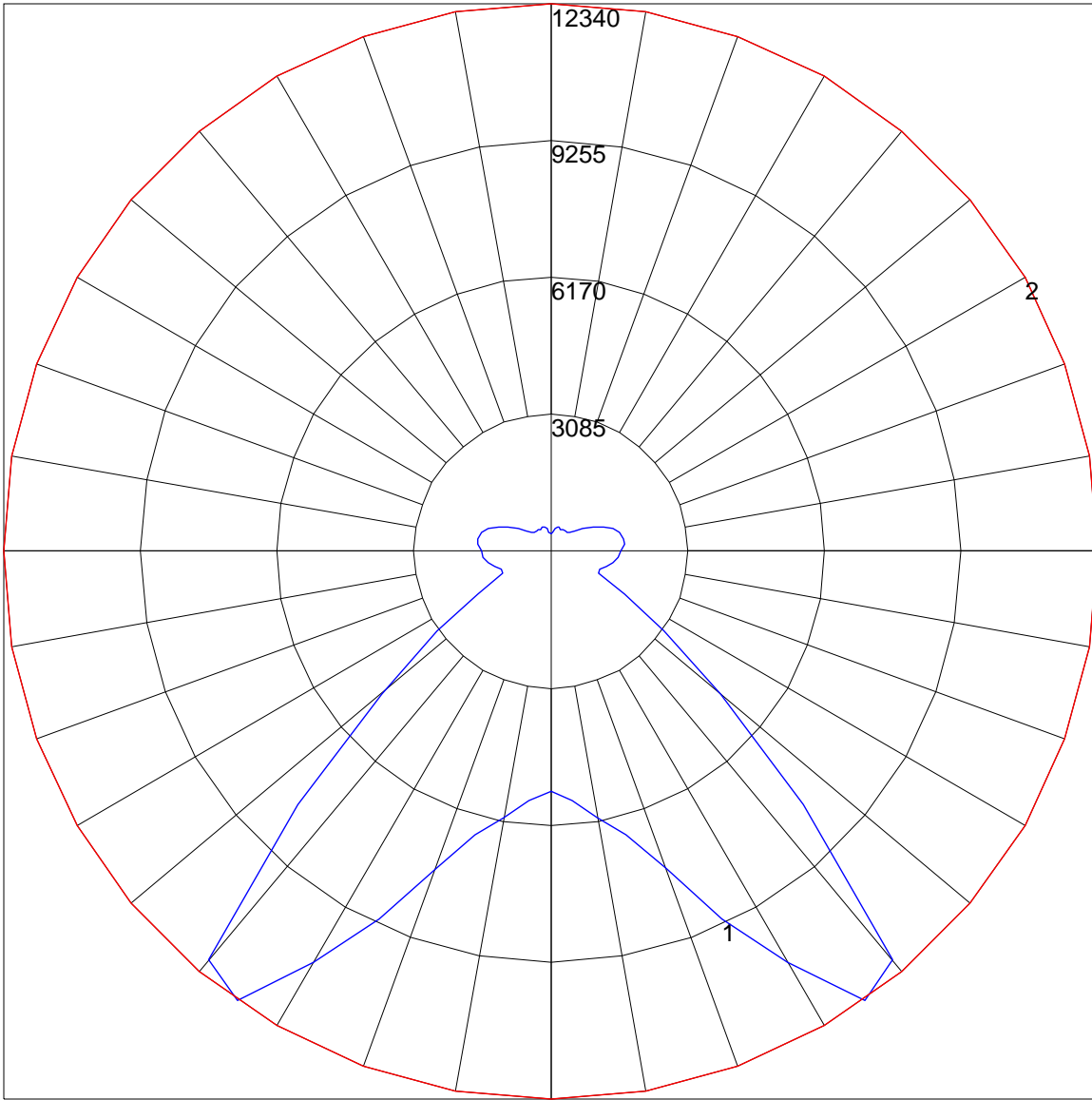
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	110	110	110	110	106	106	106	106	97	97	97	88	88	88	81	81	81	77
1	100	96	91	88	88	96	92	88	85	84	81	78	77	75	73	71	69	67	64
2	92	84	78	73	73	87	81	75	70	74	70	66	68	65	61	63	60	57	54
3	84	74	67	61	61	80	72	65	59	66	60	56	61	56	53	56	53	49	47
4	77	66	58	52	52	74	64	56	51	59	53	48	55	50	45	50	46	43	40
5	71	59	51	45	45	68	57	50	44	53	47	42	49	44	40	45	41	37	35
6	66	53	45	39	39	62	51	44	38	48	41	36	44	39	35	41	37	33	31
7	61	48	40	34	34	58	46	39	34	43	37	32	40	35	31	37	33	29	27
8	56	44	36	30	30	54	42	35	30	39	33	28	37	31	27	34	29	26	24
9	52	40	32	27	27	50	38	31	26	36	30	25	34	28	24	31	27	23	21
10	49	36	29	24	24	47	35	28	23	33	27	23	31	25	22	29	24	21	19

POLAR GRAPH



Maximum Candela = 12340 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)