



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL37147.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL37147 DATE: 7-26-1990
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.
 CATALOG NUMBER: 812 (LC = 4.1 INCHES)
 LUMINAIRE: FORMED PRISMATIC ACRYLIC REFLECTOR/REFRACTOR WITH WHITE-
 PAINTED UPPER SUPPORT RING, OPEN BOTTOM
 LAMP: ONE 18-WATT DOUBLE TWIN TUBE COMPACT FLUORESCENT, BASE UP, RATED
 1250 LUMENS.
 BALLAST: ONE ROBERTSON HP-18P
 MOUNTING: PENDANT

CHARACTERISTICS

Total Rated Lamp Lumens	1250
Total Luminaire Efficiency	97.3 %
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	23
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	1.66
Spacing Criteria (90-270)	1.66
Spacing Criteria (Diagonal)	1.66
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	267.70
5	271.40
10	272.00
15	270.80
20	276.00
25	282.80
30	285.50
35	291.70
40	292.60
45	274.50
50	241.00
55	208.70
60	173.00
65	134.90
70	89.44
75	42.11
80	35.65
85	37.19
90	38.73
95	43.03
100	43.95
105	43.03
110	39.96
115	35.96
120	29.20
125	23.67
130	19.06
135	14.45
140	13.52
145	13.52
150	13.52
155	14.45
160	14.14
165	8.91
170	5.22
175	5.22
180	5.22

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	233.67	18.7	19.2
0-40	416.16	33.3	34.2
0-60	811.33	64.9	66.7
0-90	1038.76	83.1	85.4
90-120	126.05	10.1	10.4
90-130	147.56	11.8	12.1
90-150	168.01	13.4	13.8
90-180	177.78	14.2	14.6
0-180	1216.54	97.3	100

Total Luminaire Efficiency = 97.3%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	25.88
10-20	77.26
20-30	130.53
30-40	182.48
40-50	209.17
50-60	186.01
60-70	131.66
70-80	55.19
80-90	40.58
90-100	46.02
100-110	44.97
110-120	35.06
120-130	21.51
130-140	11.95
140-150	8.49
150-160	6.54
160-170	2.74
170-180	.5

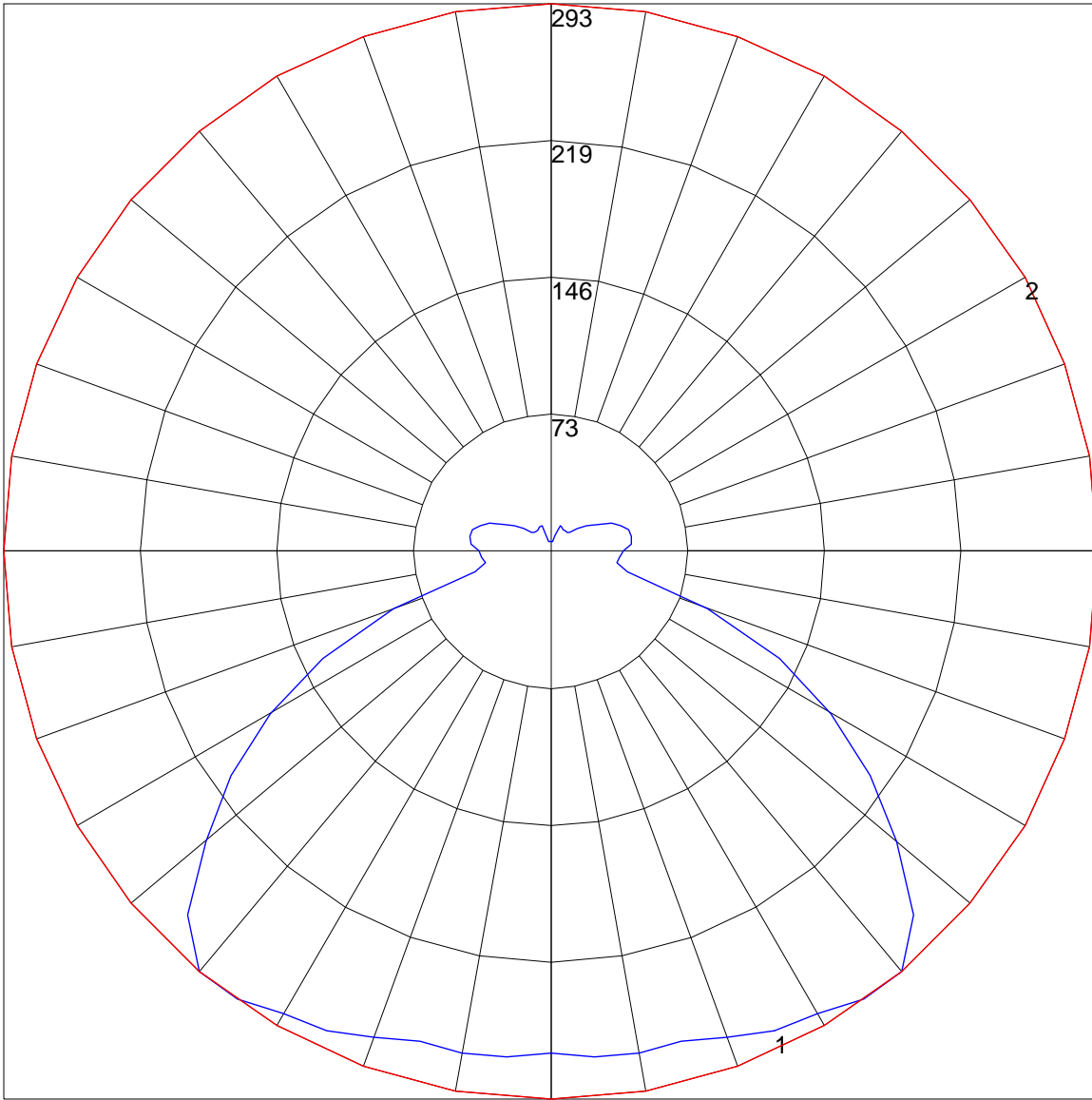
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	112	112	112	108	108	108	108	100	100	100	93	93	93	86	86	86	83
1	102	97	93	89	98	94	90	86	87	84	81	81	78	76	75	73	71	68
2	93	84	78	72	89	81	75	70	76	71	66	70	66	63	65	62	59	56
3	84	74	66	59	80	71	64	58	66	60	55	62	57	52	57	53	50	47
4	77	65	56	50	73	63	55	49	58	52	46	54	49	44	51	46	42	40
5	70	58	49	42	67	56	47	41	52	45	40	49	43	38	45	40	36	34
6	65	51	43	36	62	50	42	36	47	40	34	44	38	33	41	36	31	29
7	60	46	38	32	57	45	37	31	42	35	30	39	33	29	37	32	28	25
8	55	42	34	28	53	41	33	27	38	31	26	36	30	25	34	28	24	22
9	51	38	30	25	49	37	30	24	35	28	24	33	27	23	31	26	22	20
10	48	35	27	22	46	34	27	22	32	26	21	30	24	20	29	23	20	18

POLAR GRAPH



Maximum Candela = 292.6 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.)