



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL37910.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL37910 DATE: 4-05-1991
 PREPARED FOR: LEXALITE INTERNATIONAL CORPORATION
 CATALOG NUMBER: 816 (LC = 7.25")
 LUMINAIRE: FORMED METAL BALLAST HOUSING AND SOCKET MOUNTING, FORMED
 CLEAR ACRYLIC PRISMATIC REFLECTOR/REFRACTOR, OPEN BOTTOM.
 LAMP: DIFFUSE 250-WATT E-28 HIGH PRESSURE SODIUM, VERTICAL POSITION,
 RATED 26000 LUMENS.
 MOUNTING: PENDANT
 THE ARC TUBE VOLTAGE RISE= 0.1

CHARACTERISTICS

Total Rated Lamp Lumens	26000
Total Luminaire Efficiency	92.3 %
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	250
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.30
Spacing Criteria (90-270)	2.30
Spacing Criteria (Diagonal)	2.02
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	2847.00
5	2875.00
10	2985.00
15	2923.00
20	2983.00
25	3429.00
30	4093.00
35	5299.00
40	6030.00
45	5782.00
50	4838.00
55	3706.00
60	2601.00
65	1774.00
70	1387.00
75	1186.00
80	1172.00
85	1212.00
90	1257.00
95	1303.00
100	1302.00
105	1257.00
110	1192.00
115	1092.00
120	972.20
125	842.50
130	711.80
135	681.50
140	669.40
145	629.30
150	576.20
155	565.70
160	531.30
165	274.30
170	148.80
175	61.86
180	54.79

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2739.65	10.5	11.4
0-40	6012.84	23.1	25
0-60	13661.45	52.5	56.9
0-90	18152.71	69.8	75.6
90-120	3813.77	14.7	15.9
90-130	4571.19	17.6	19
90-150	5497.05	21.1	22.9
90-180	5857.04	22.5	24.4
0-180	24009.74	92.3	100

Total Luminaire Efficiency = 92.3%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	278.04
10-20	837.2
20-30	1624.42
30-40	3273.2
40-50	4333.02
50-60	3315.6
60-70	1863.96
70-80	1303.48
80-90	1323.82
90-100	1408.79
100-110	1324.85
110-120	1080.13
120-130	757.42
130-140	531.67
140-150	394.2
150-160	259.56
160-170	91.49
170-180	8.93

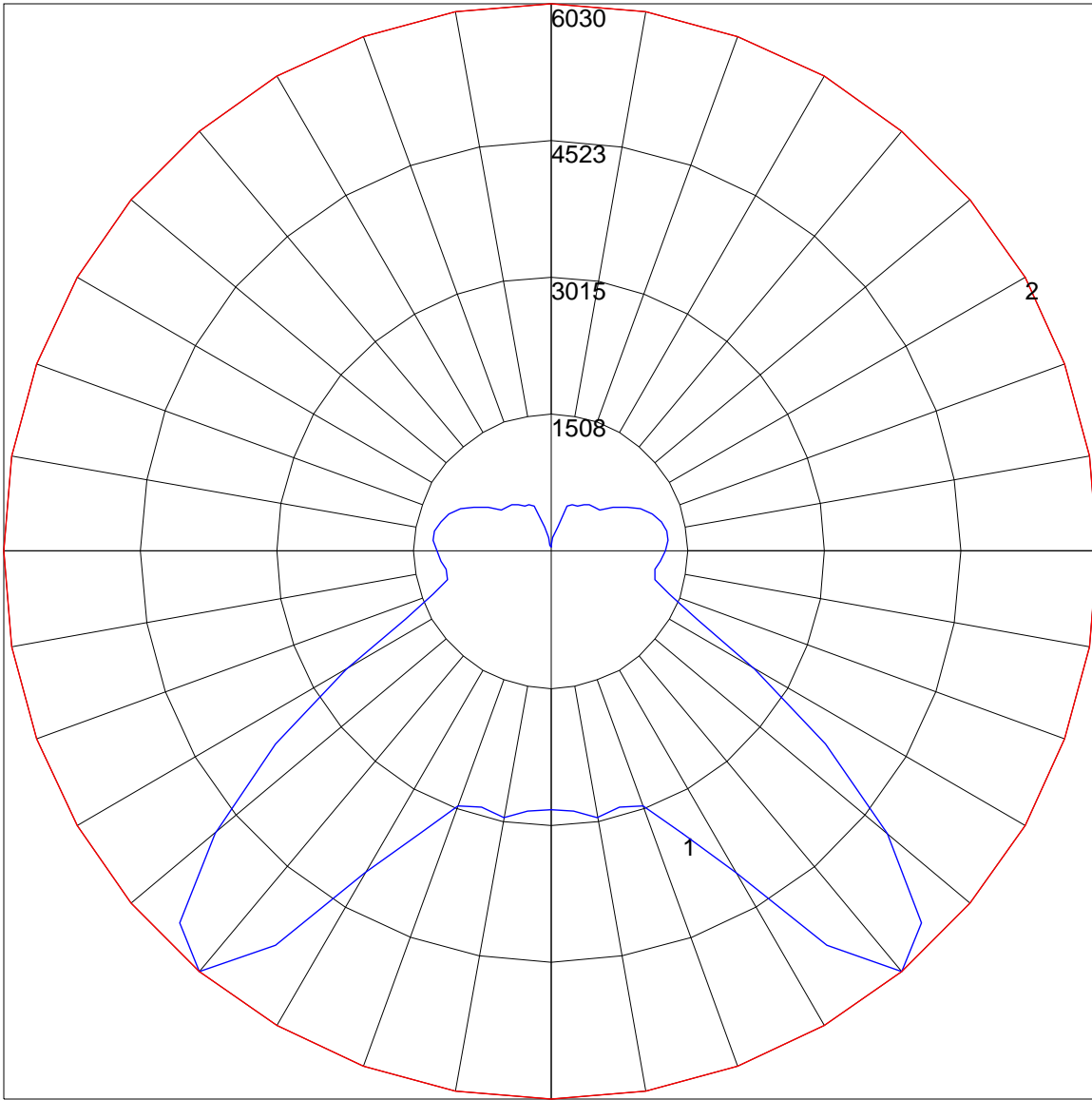
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	100	100	100	100	90	90	90	81	81	81	74	74	74	70
1	94	89	84	80	89	84	80	77	76	73	70	69	66	64	62	60	58	55
2	85	77	70	64	80	73	67	62	66	61	57	60	56	52	54	51	48	45
3	77	67	59	52	72	63	56	50	57	52	47	52	47	43	47	43	40	37
4	70	58	50	43	66	55	48	42	50	44	39	45	40	36	41	37	33	30
5	64	51	43	37	60	49	41	35	44	38	33	40	35	30	36	32	28	26
6	58	46	37	31	55	44	36	30	40	33	28	36	30	26	32	28	24	22
7	54	41	33	27	51	39	31	26	35	29	24	32	27	22	29	24	21	19
8	49	37	29	23	47	35	28	22	32	26	21	29	24	20	26	22	18	16
9	46	33	26	20	43	32	25	20	29	23	18	26	21	17	24	19	16	14
10	43	30	23	18	40	29	22	17	26	20	16	24	19	15	22	17	14	12

POLAR GRAPH



Maximum Candela = 6030 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.)