



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL37128.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL37128 DATE: 7-18-1990
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.
 CATALOG NUMBER: 822 (LC=7.5)
 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	96.1 %
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	400
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.40
Spacing Criteria (90-270)	2.40
Spacing Criteria (Diagonal)	1.98
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	3895.0
5	4014.0
10	4206.0
15	4453.0
20	4997.0
25	5843.0
30	7004.0
35	9062.0
40	10987.0
45	11439.0
50	7530.0
55	4613.0
60	2839.0
65	1907.0
70	1276.0
75	1308.0
80	1458.0
85	1605.0
90	1715.0
95	1728.0
100	1701.0
105	1637.0
110	1541.0
115	1399.0
120	1212.0
125	992.1
130	754.4
135	566.9
140	480.1
145	448.1
150	457.2
155	484.6
160	493.8
165	356.6
170	352.1
175	288.0
180	233.2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	4443.78	12.3	12.8
0-40	10154.63	28.2	29.4
0-60	22502.76	62.5	65
0-90	27619.33	76.7	79.8
90-120	4977.46	13.8	14.4
90-130	5866.68	16.3	17
90-150	6615.7	18.4	19.1
90-180	6978.76	19.4	20.2
0-180	34598.09	96.1	100

Total Luminaire Efficiency = 96.1%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	388.61
10-20	1292.46
20-30	2762.72
30-40	5710.85
40-50	7985.32
50-60	4362.8
60-70	1959.72
70-80	1415.52
80-90	1741.33
90-100	1874.46
100-110	1723.83
110-120	1379.17
120-130	889.22
130-140	460.85
140-150	288.17
150-160	221.8
160-170	112.12
170-180	29.13

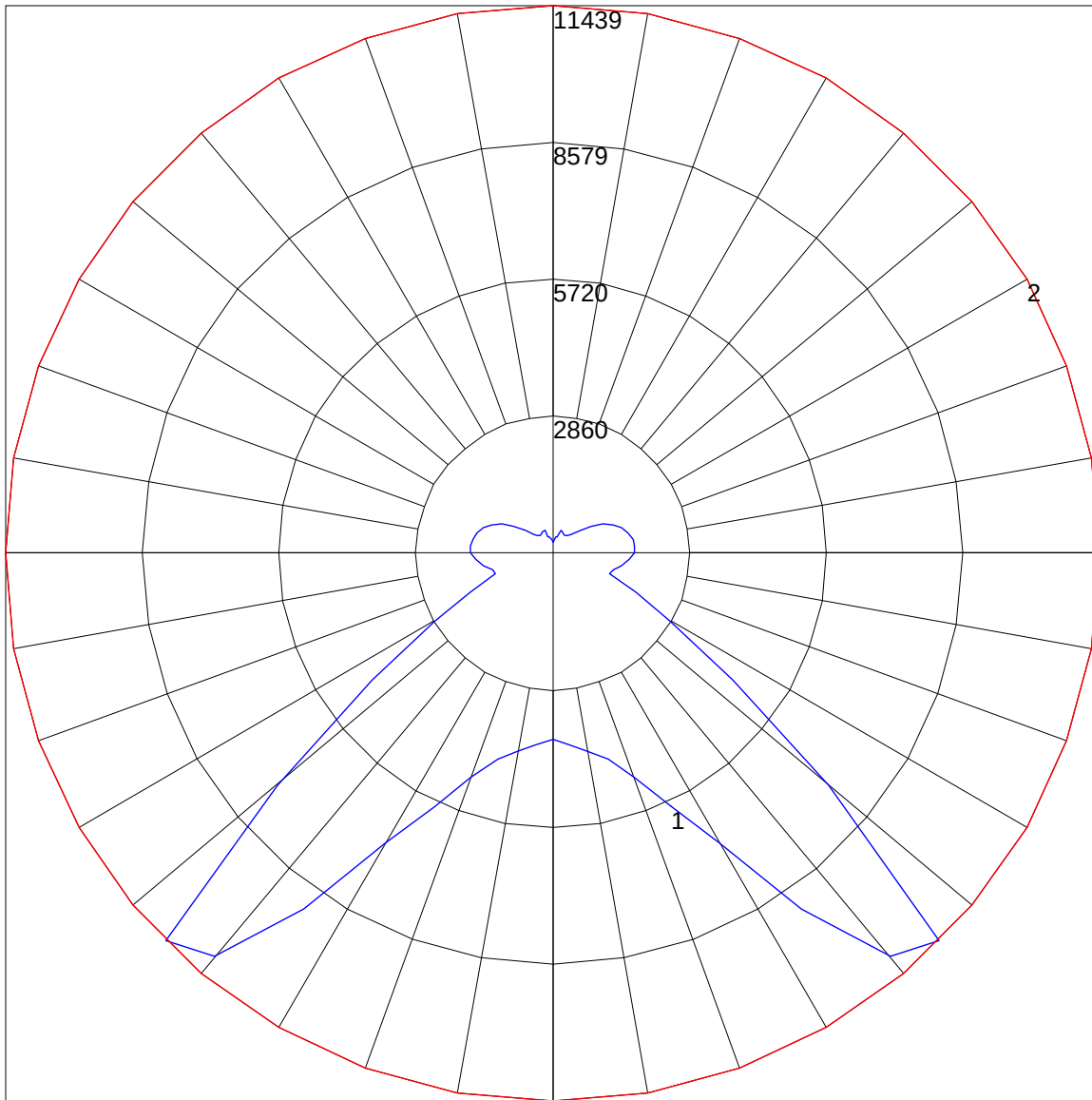
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	96	96	96	88	88	88	80	80	80	77
1	99	94	90	86	95	90	86	83	83	79	77	76	73	71	69	67	65	62
2	90	82	75	70	86	79	72	67	72	67	63	66	62	59	60	57	55	51
3	82	72	64	58	78	69	62	56	63	57	52	58	53	49	53	49	46	43
4	75	63	55	48	71	60	53	47	56	49	44	51	46	41	47	43	39	36
5	68	56	47	41	65	54	46	40	49	43	37	45	40	35	42	37	33	31
6	62	50	41	35	59	48	40	34	44	37	32	41	35	30	37	32	28	26
7	57	44	36	30	55	43	35	29	39	33	28	36	31	26	34	28	25	22
8	53	40	32	26	50	38	31	25	36	29	24	33	27	23	30	25	21	19
9	49	36	28	23	47	35	27	22	32	26	21	30	24	20	28	23	19	17
10	46	33	25	20	43	32	24	20	29	23	19	27	22	18	25	20	17	15

POLAR GRAPH



Maximum Candela = 11439 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.)