



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL37515.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL37515 DATE: 11-01-1990
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.
 CATALOG NUMBER: 816 ACRYLIC W/2% WHITE (LC=7.25)
 LUMINAIRE: FORMED ACRYLIC PRISMATIC REFLECTOR/REFRACTOR WITH WHITE
 PAINTED UPPER COLLAR, OPEN BOTTOM.
 LAMP: CLEAR 250-WATT HIGH PRESSURE SODIUM, MOGUL BASE
 RATED 27500 LUMENS. BASE UP POSITION.
 MOUNTING: PENDANT
 THE ARC TUBE VOLTAGE RISE= 0.0

CHARACTERISTICS

Total Rated Lamp Lumens	27500
Total Luminaire Efficiency	92.4 %
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	250
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.28
Spacing Criteria (90-270)	2.28
Spacing Criteria (Diagonal)	1.92
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	3232.0
5	3210.0
10	3322.0
15	3788.0
20	4308.0
25	5150.0
30	6034.0
35	6771.0
40	7432.0
45	6816.0
50	5048.0
55	3395.0
60	2224.0
65	1707.0
70	1445.0
75	1276.0
80	1235.0
85	1206.0
90	1177.0
95	1161.0
100	1139.0
105	1066.0
110	928.6
115	718.0
120	523.3
125	376.5
130	309.5
135	453.1
140	615.8
145	791.3
150	852.0
155	772.2
160	558.4
165	153.2
170	124.4
175	105.3
180	102.1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3806.98	13.8	15
0-40	8062.27	29.3	31.7
0-60	16232.3	59	63.9
0-90	20684.91	75.2	81.4
90-120	3095.17	11.3	12.2
90-130	3452.32	12.6	13.6
90-150	4281.08	15.6	16.9
90-180	4711.99	17.1	18.6
0-180	25396.89	92.4	100

Total Luminaire Efficiency = 92.4%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	310.68
10-20	1088.98
20-30	2407.31
30-40	4255.29
40-50	5035.43
50-60	3134.61
60-70	1753.74
70-80	1383.1
80-90	1315.76
90-100	1265.13
100-110	1111.35
110-120	718.69
120-130	357.15
130-140	352.01
140-150	476.75
150-160	345.1
160-170	75.11
170-180	10.7

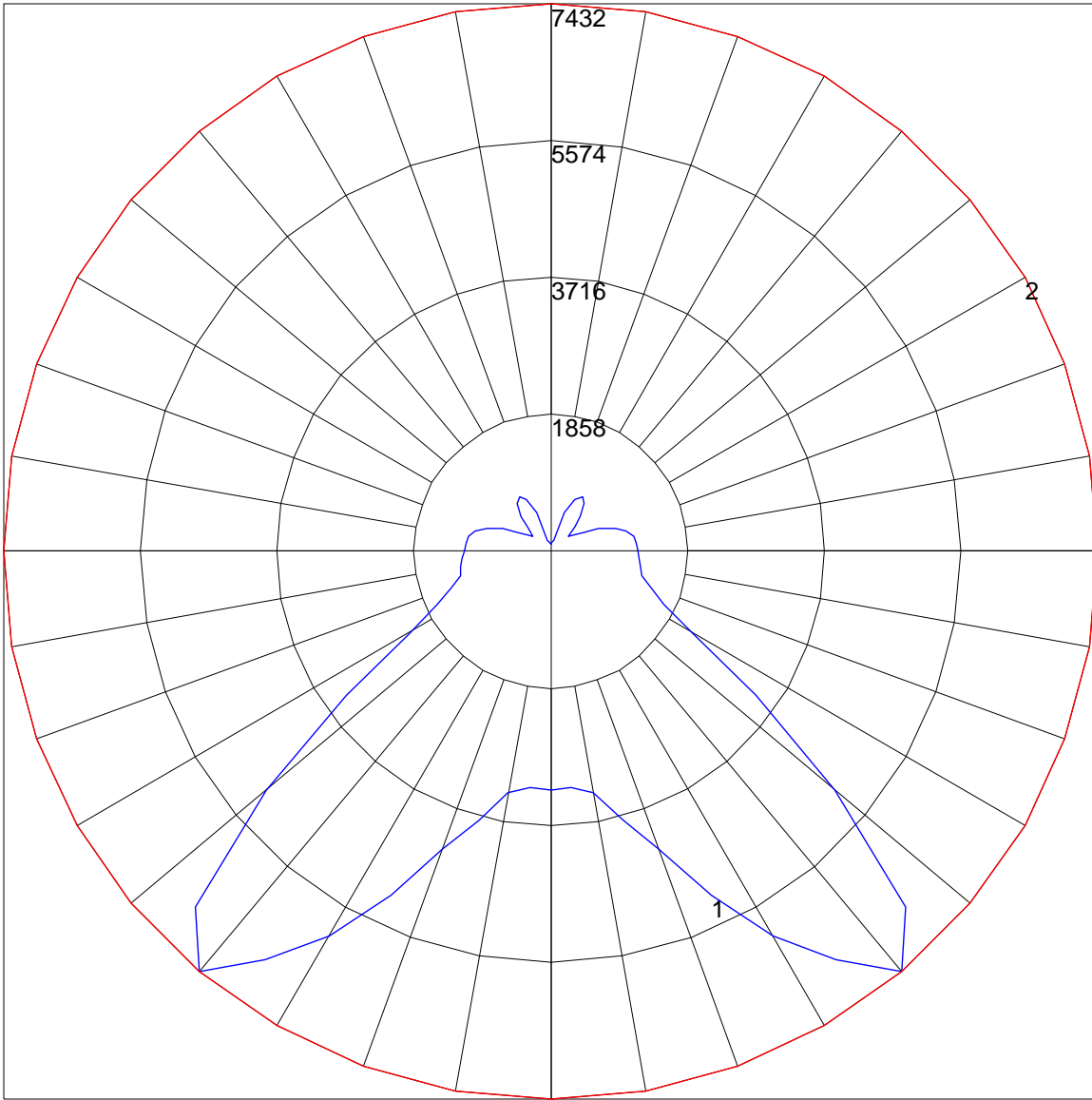
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	106	101	101	101	101	93	93	93	85	85	85	79	79	79	75
1	95	91	86	82	91	87	83	79	80	77	74	73	71	68	67	65	64	60
2	86	79	72	67	82	75	69	64	69	65	60	64	60	56	59	55	53	50
3	79	69	61	55	75	66	59	53	61	55	50	56	51	47	51	48	44	42
4	72	60	52	46	68	58	51	45	54	47	42	49	44	40	46	41	38	35
5	66	54	45	39	62	52	44	38	48	41	36	44	38	34	41	36	32	30
6	60	48	39	33	57	46	38	33	43	36	31	39	34	29	36	32	28	26
7	55	43	35	29	53	41	34	28	38	32	27	36	30	26	33	28	24	22
8	51	39	31	25	49	37	30	25	35	28	24	32	27	22	30	25	21	19
9	48	35	27	22	45	34	27	22	31	25	21	29	24	20	27	22	19	17
10	44	32	25	20	42	31	24	19	29	23	18	27	21	18	25	20	17	15

POLAR GRAPH



Maximum Candela = 7432 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.)