



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL40339.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL40339 DATE: 3-18-1993
 PREPARED FOR: LEXALITE INTERNATIONAL CORPORATION
 CATALOG NUMBER: MODEL 822 REFLECTOR
 LUMINAIRE: CLEAR PRISMATIC ACRYLIC REFLECTOR, VERTICAL PRISMS ON LOWER
 PORTION, BOTH VERTICAL AND HORIZONTAL PRISMS ON UPPER PORTION.
 CLEAR PRISMATIC ACRYLIC LENS SECURED BY METAL LOCKING BAND.
 WHITE PAINTED METAL MOUNTING COLLAR.
 LAMP: ONE INSIDE FROSTED 300-WATT PS-30 INCANDESCENT, RATED 6110 LUMENS.
 MOUNTING: PENDANT/SUSPENDED

CHARACTERISTICS

Total Rated Lamp Lumens	6110
Total Luminaire Efficiency	90.3 %
Luminaire Efficacy Rating (LER)	18
Total Luminaire Watts	300
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.08
Spacing Criteria (90-270)	2.08
Spacing Criteria (Diagonal)	1.82
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.86 ft (Diameter)
Luminous Height	1.25 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4056	4056	4056
55	2305	2305	2305
65	1149	1149	1149
75	742	742	742
85	710	710	710

CANDELA TABULATION

	<u>0</u>
0.0	876
2.5	883
5.0	906
7.5	949
10.0	1006
12.5	1064
15.0	1107
17.5	1152
20.0	1214
22.5	1298
25.0	1369
27.5	1400
30.0	1382
32.5	1332
35.0	1323
37.5	1394
40.0	1497
42.5	1486
45.0	1350
47.5	1201
50.0	1067
52.5	885
55.0	745
57.5	613
60.0	510
62.5	418
65.0	349
67.5	297
70.0	260
72.5	230
75.0	204
77.5	188
80.0	182
82.5	179
85.0	169
87.5	160
90.0	163
92.5	171
95.0	185
97.5	201
100.0	217
102.5	230
105.0	243
107.5	254
110.0	261
112.5	258
115.0	245
117.5	223
120.0	199
122.5	172
125.0	145
127.5	124
130.0	112
132.5	107

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CANDELA TABULATION - (Cont.)

135.0	105
137.5	105
140.0	106
142.5	115
145.0	131
147.5	157
150.0	190
152.5	221
155.0	252
157.5	273
160.0	246
162.5	151
165.0	112
167.5	112
170.0	85
172.5	54
175.0	47
177.5	46
180.0	43

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1030.01	16.9	18.7
0-40	1893.41	31	34.3
0-60	3593.3	58.8	65.2
0-90	4359.53	71.4	79
90-120	696.64	11.4	12.6
90-130	831.21	13.6	15.1
90-150	999.24	16.4	18.1
90-180	1155.43	18.9	21
0-180	5514.96	90.3	100

Total Luminaire Efficiency = 90.3%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.74
10-20	316.97
20-30	623.3
30-40	863.4
40-50	1024.7
50-60	675.2
60-70	358.01
70-80	222.64
80-90	185.58
90-100	203.68
100-110	255.31
110-120	237.65
120-130	134.56
130-140	82.53
140-150	85.5
150-160	110.54
160-170	40.14
170-180	5.51

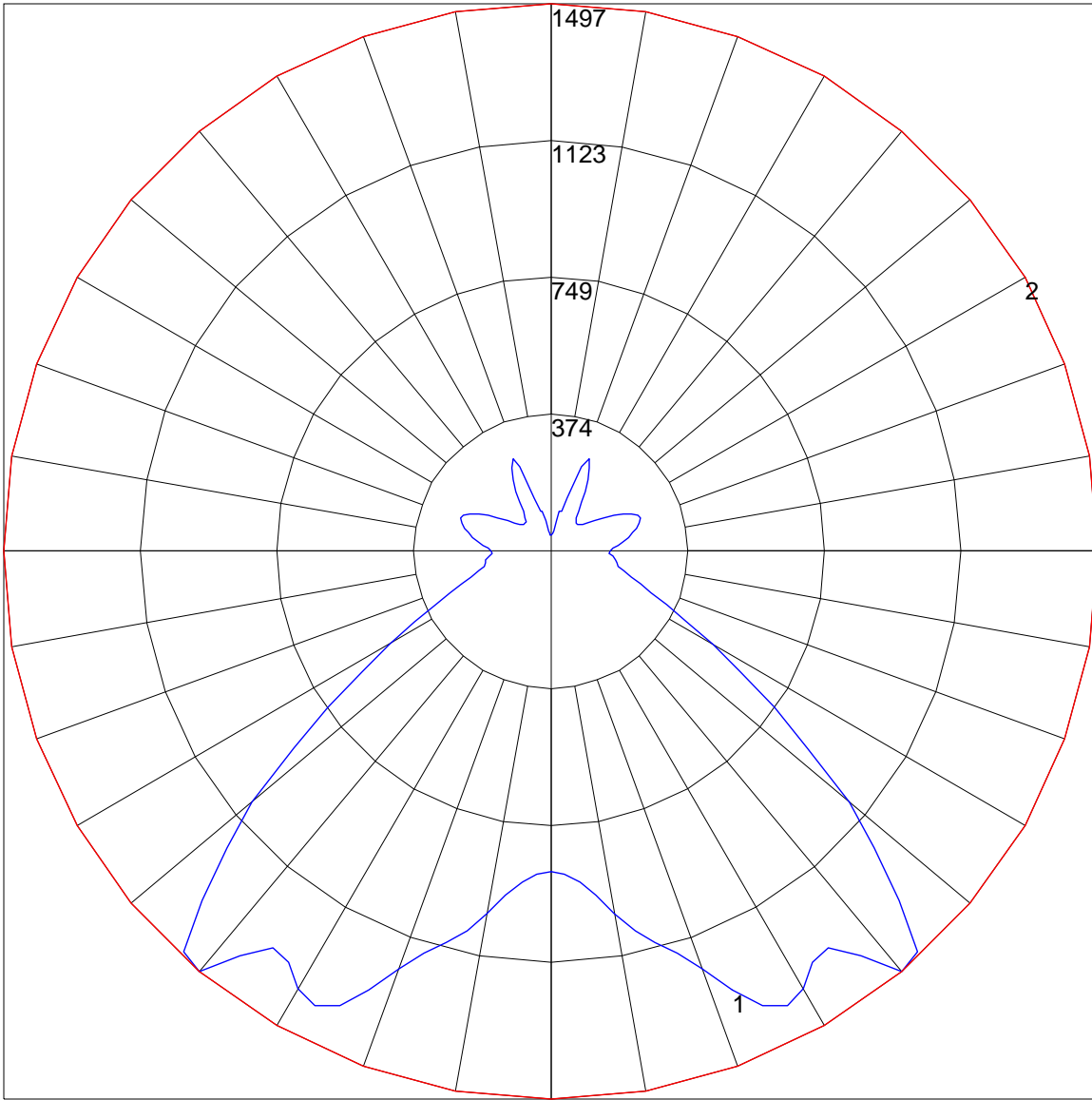
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	98	98	98	98	90	90	90	82	82	82	75	75	75	71	0
1	94	89	85	82	89	85	82	79	78	75	73	71	69	67	65	64	62	59	0
2	85	78	72	67	81	75	69	65	69	64	61	63	59	56	58	55	52	50	0
3	78	69	62	56	74	66	59	54	60	55	51	56	51	48	51	47	45	42	0
4	71	61	53	47	68	58	51	46	54	48	43	49	45	41	45	41	38	36	0
5	65	54	46	40	62	52	45	39	48	42	37	44	39	35	41	36	33	31	0
6	60	48	40	35	57	46	39	34	43	37	32	40	34	30	37	32	29	27	0
7	55	44	36	30	53	42	35	30	39	33	28	36	31	27	33	29	25	23	0
8	51	39	32	27	49	38	31	26	35	29	25	33	27	24	30	26	22	20	0
9	48	36	29	24	45	35	28	23	32	26	22	30	25	21	28	23	20	18	0
10	44	33	26	21	42	32	25	21	29	24	20	27	22	19	26	21	18	16	0

POLAR GRAPH



Maximum Candela = 1497 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.)