



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL41132.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL41132 DATE: 10-5-1993
 PREPARED FOR: LEXALITE INTERNATIONAL CORPORATION
 CATALOG NUMBER: 812
 LUMINAIRE: CLEAR POLYCARBONATE REFLECTOR/REFRACTOR, WHITE PAINTED METAL
 MOUNTING COLLAR, OPEN BOTTOM.
 LAMP: 150-WATT DIFFUSE B-17 HIGH PRESSURE SODIUM, RATED 16000 LUMENS,
 VERTICAL BASE-UP POSITION.
 MOUNTING: PENDANT
 THE ARC TUBE VOLTAGE RISE= 0.4

CHARACTERISTICS

Total Rated Lamp Lumens	16000
Total Luminaire Efficiency	81.4 %
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	150
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	2.48
Spacing Criteria (90-270)	2.48
Spacing Criteria (Diagonal)	1.92
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.03 ft (Diameter)
Luminous Height	0.58 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	53087	53087	53087
55	13205	13205	13205
65	3310	3310	3310
75	3734	3734	3734
85	4210	4210	4210

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL41132.IES

CANDELA TABULATION

	<u>0</u>
0.0	1610
2.5	1589
5.0	1622
7.5	1777
10.0	2116
12.5	2582
15.0	3024
17.5	3431
20.0	3738
22.5	3972
25.0	4151
27.5	4283
30.0	4394
32.5	4499
35.0	4584
37.5	4695
40.0	4909
42.5	5079
45.0	4997
47.5	4555
50.0	3700
52.5	2406
55.0	1188
57.5	533
60.0	363
62.5	296
65.0	275
67.5	269
70.0	272
72.5	284
75.0	275
77.5	255
80.0	263
82.5	261
85.0	261
87.5	261
90.0	246
92.5	257
95.0	262
97.5	265
100.0	268
102.5	269
105.0	266
107.5	262
110.0	256
112.5	246
115.0	236
117.5	217
120.0	190
122.5	157
125.0	127
127.5	97
130.0	71
132.5	56

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL41132.IES**

CANDELA TABULATION - (Cont.)

135.0	62
137.5	107
140.0	159
142.5	225
145.0	300
147.5	370
150.0	407
152.5	393
155.0	315
157.5	188
160.0	66
162.5	20
165.0	19
167.5	18
170.0	17
172.5	15
175.0	12
177.5	15
180.0	16

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL41132.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2956.73	18.5	22.7
0-40	5856.77	36.6	45
0-60	10862.05	67.9	83.4
0-90	11717.7	73.2	90
90-120	793.26	5	6.1
90-130	909	5.7	7
90-150	1155.6	7.2	8.9
90-180	1300.48	8.1	10
0-180	13018.18	81.4	100

Total Luminaire Efficiency = 81.4%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	170.24
10-20	871.7
20-30	1914.79
30-40	2900.04
40-50	3654.16
50-60	1351.11
60-70	286.75
70-80	285.92
80-90	282.98
90-100	283.93
100-110	280.13
110-120	229.2
120-130	115.75
130-140	64.83
140-150	181.77
150-160	136.05
160-170	7.43
170-180	1.4

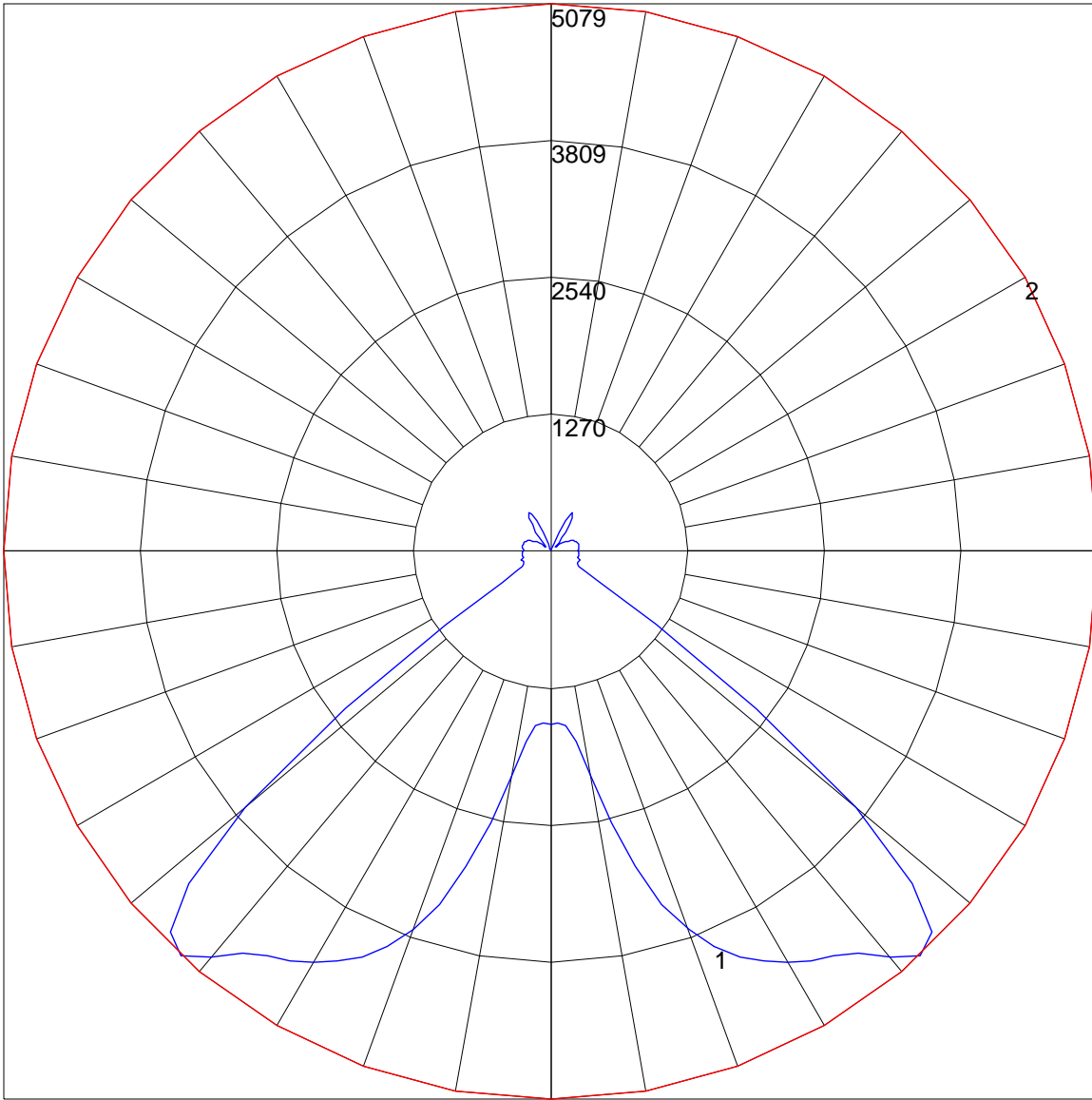
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL41132.IES

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	
0	95	95	95	95	92	92	92	92	86	86	86	81	81	81	76	76	76	73
1	88	84	81	78	85	82	79	76	77	74	72	72	70	69	68	67	65	63
2	81	75	70	66	78	73	68	64	68	65	62	65	62	59	61	59	57	55
3	74	66	60	56	71	65	59	55	61	56	53	58	54	51	55	52	49	47
4	68	59	53	48	66	58	52	47	55	49	45	52	47	44	49	46	43	41
5	63	53	46	41	60	52	45	41	49	44	39	47	42	38	44	40	37	35
6	58	47	41	36	56	46	40	35	44	38	34	42	37	33	40	36	33	31
7	53	43	36	31	51	42	35	31	40	34	30	38	33	29	36	32	29	27
8	49	39	32	27	48	38	32	27	36	30	26	34	29	26	33	29	25	24
9	46	35	29	24	44	34	28	24	33	27	23	31	26	23	30	26	22	21
10	43	32	26	22	41	31	25	21	30	25	21	29	24	20	28	23	20	19

POLAR GRAPH



Maximum Candela = 5079 Located At Horizontal Angle = 0, Vertical Angle = 42.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (42.5) (Through Max. Cd.)