



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL53357.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [DATE]03/03/03
 [TEST]ITL53357
 [MANUFAC]LEXALITE INTERNATIONAL CORPORATION
 [LUMCAT]MODEL 822 GV
 [LUMINAIRE]CAST WHITE PAINTED METAL BALLAST HOUSING WITH FABRICATED
 [MORE]WHITE PAINTED METAL SOCKET ASSEMBLY, CLEAR ACRYLIC REFLECTOR
 [MORE]WITH LINEAR EXTERIOR PRISMS AND CONCENTRIC CIRCULAR UPPER
 [MORE]INTERIOR PRISMS, FABRICATED WHITE PAINTED METAL UPPER MOUNTING
 [MORE]COLLAR, OPEN BOTTOM. LAMP LIGHT CENTER LOCATED 8.75" UP FROM
 [MORE]REFLECTOR BOTTOM.
 [LAMP]ONE 400-WATT PHOSPHOR-COATED ED-37 METAL HALIDE, VERTICAL BASE-UP
 [MORE]POSITION.
 [_ MOUNTING]SUSPENDED

CHARACTERISTICS

Total Rated Lamp Lumens	36000
Total Luminaire Efficiency	92.7 %
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	400
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	1.86
Spacing Criteria (90-270)	1.86
Spacing Criteria (Diagonal)	1.58
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.87 ft (Diameter)
Luminous Height	1.03 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	23582	23582	23582
55	10060	10060	10060
65	4596	4596	4596
75	5353	5353	5353
85	7143	7143	7143

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL53357.IES

CANDELA TABULATION

	<u>0</u>
0.0	6811
2.5	6871
5.0	7018
7.5	7192
10.0	7340
12.5	7502
15.0	7730
17.5	7993
20.0	8337
22.5	8789
25.0	9282
27.5	9816
30.0	10387
32.5	10914
35.0	11086
37.5	10819
40.0	10045
42.5	8798
45.0	7248
47.5	5848
50.0	4670
52.5	3695
55.0	2951
57.5	2354
60.0	1845
62.5	1399
65.0	1243
67.5	1209
70.0	1215
72.5	1240
75.0	1281
77.5	1326
80.0	1375
82.5	1409
85.0	1435
87.5	1453
90.0	1475
92.5	1497
95.0	1518
97.5	1534
100.0	1543
102.5	1537
105.0	1516
107.5	1490
110.0	1453
112.5	1402
115.0	1335
117.5	1252
120.0	1168
122.5	1072
125.0	977
127.5	879
130.0	792
132.5	726

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL53357.IES

CANDELA TABULATION - (Cont.)

135.0	677
137.5	646
140.0	622
142.5	617
145.0	607
147.5	603
150.0	608
152.5	604
155.0	590
157.5	565
160.0	543
162.5	513
165.0	494
167.5	455
170.0	380
172.5	313
175.0	304
177.5	332
180.0	340

IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL53357.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	7234.22	20.1	21.7
0-40	13989.54	38.9	41.9
0-60	22319.39	62	66.9
0-90	26572.76	73.8	79.6
90-120	4567.33	12.7	13.7
90-130	5447.12	15.1	16.3
90-150	6366.21	17.7	19.1
90-180	6807.07	18.9	20.4
0-180	33379.83	92.7	100

Total Luminaire Efficiency = 92.7%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	680.47
10-20	2215.66
20-30	4338.09
30-40	6755.32
40-50	5604.39
50-60	2725.45
60-70	1331.9
70-80	1360.58
80-90	1560.89
90-100	1652.33
100-110	1598.07
110-120	1316.94
120-130	879.78
130-140	535.34
140-150	383.75
150-160	271.09
160-170	138.4
170-180	31.37

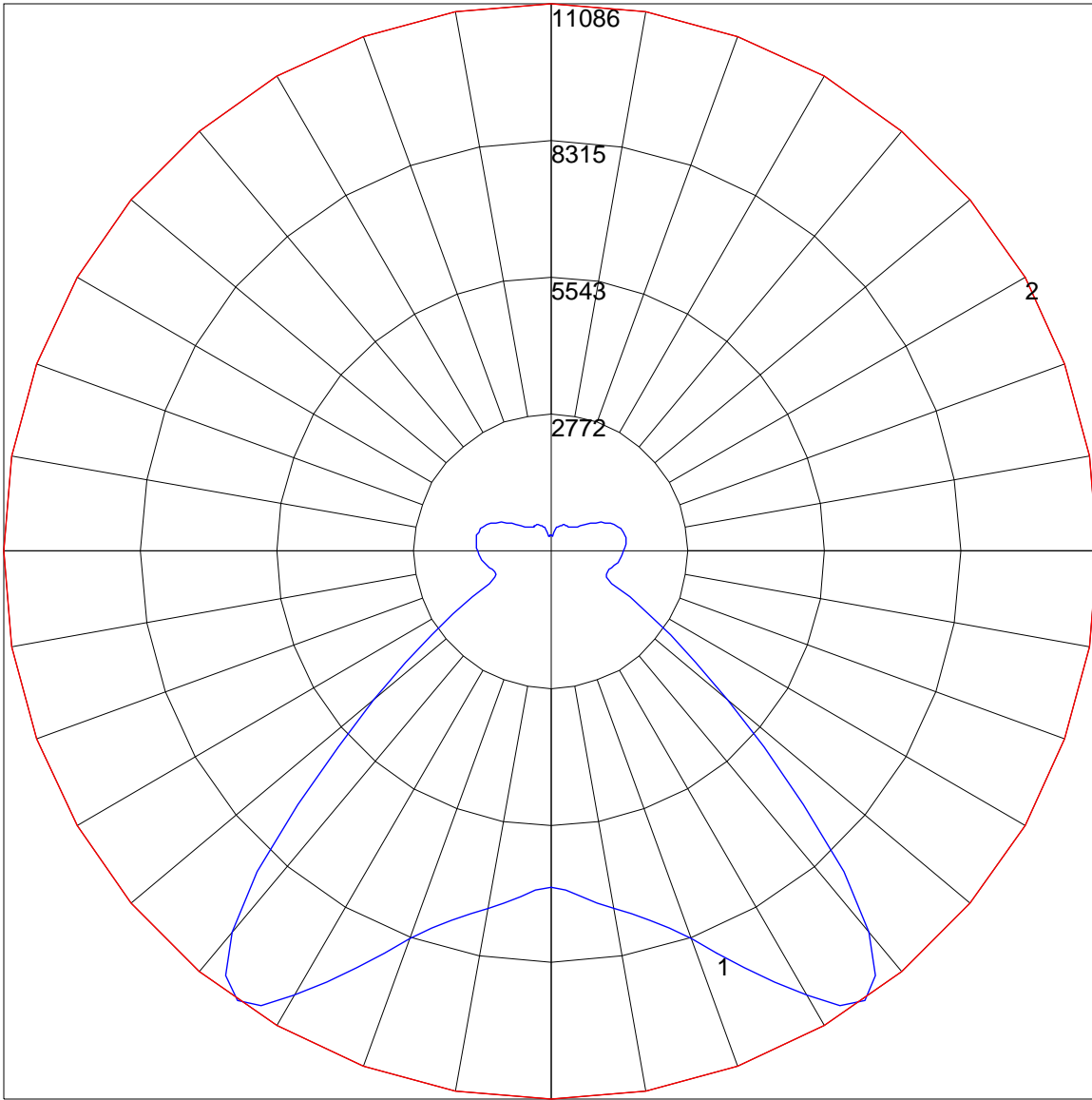
IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL53357.IES

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	10	0
0	106	106	106	106	101	101	101	101	93	93	93	85	85	85	77	77	77	74	0
1	96	92	88	84	92	88	84	81	81	78	75	74	72	70	67	66	64	61	0
2	88	81	75	70	84	78	72	68	71	67	63	66	62	59	60	57	55	52	0
3	81	72	65	59	77	69	63	57	64	58	54	59	54	51	54	51	48	45	0
4	74	64	56	51	71	62	55	49	57	51	47	53	48	44	49	45	41	39	0
5	69	57	50	44	65	55	48	43	51	45	41	48	42	39	44	40	36	34	0
6	63	52	44	38	60	50	43	37	46	40	36	43	38	34	40	36	32	30	0
7	59	47	39	34	56	45	38	33	42	36	32	39	34	30	36	32	29	27	0
8	55	43	35	30	52	41	34	29	38	32	28	36	31	27	33	29	26	24	0
9	51	39	32	27	49	38	31	26	35	29	25	33	28	24	31	26	23	21	0
10	47	36	29	24	45	35	28	24	32	27	23	30	25	22	28	24	21	19	0

POLAR GRAPH



Maximum Candela = 11086 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)