



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ITL51264.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
 [DATE]07/24/01  
 [TEST]ITL51264  
 [MANUFAC]LEXALITE INTERNATIONAL CORPORATION  
 [LUMCAT]MODEL 822 REFLECTOR  
 [LUMINAIRE]CLEAR ACRYLIC REFLECTOR WITH LINEAR EXTERIOR PRISMS AND  
 [MORE]CONCENTRIC CIRCULAR UPPER INTERIOR PRISMS, FABRICATED WHITE  
 [MORE]PAINTED METAL UPPER MOUNTING COLLAR, OPEN BOTTOM. LAMP LIGHT  
 [MORE]CENTER LOCATED 8.75" UP FROM REFLECTOR BOTTOM.  
 [LAMP]ONE 350-WATT PHOSPHOR-COATED ED-37 METAL HALIDE, VERTICAL  
 [MORE]BASE-UP POSITION.  
 [\_MOUNTING]SUSPENDED

**CHARACTERISTICS**

Total Rated Lamp Lumens	33400
Total Luminaire Efficiency	95 %
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	350
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	1.90
Spacing Criteria (90-270)	1.90
Spacing Criteria (Diagonal)	1.60
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	24064	24064	24064
55	9624	9624	9624
65	3676	3676	3676
75	4246	4246	4246
85	5983	5983	5983

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**CANDELA TABULATION**

	<u>0</u>
<b>0.0</b>	6361
<b>2.5</b>	6384
<b>5.0</b>	6505
<b>7.5</b>	6649
<b>10.0</b>	6782
<b>12.5</b>	6936
<b>15.0</b>	7169
<b>17.5</b>	7492
<b>20.0</b>	7958
<b>22.5</b>	8492
<b>25.0</b>	8971
<b>27.5</b>	9419
<b>30.0</b>	9857
<b>32.5</b>	10281
<b>35.0</b>	10459
<b>37.5</b>	10334
<b>40.0</b>	9864
<b>42.5</b>	8859
<b>45.0</b>	7396
<b>47.5</b>	5864
<b>50.0</b>	4638
<b>52.5</b>	3605
<b>55.0</b>	2823
<b>57.5</b>	2222
<b>60.0</b>	1658
<b>62.5</b>	1166
<b>65.0</b>	994
<b>67.5</b>	946
<b>70.0</b>	954
<b>72.5</b>	982
<b>75.0</b>	1016
<b>77.5</b>	1092
<b>80.0</b>	1130
<b>82.5</b>	1166
<b>85.0</b>	1202
<b>87.5</b>	1247
<b>90.0</b>	1251
<b>92.5</b>	1298
<b>95.0</b>	1327
<b>97.5</b>	1333
<b>100.0</b>	1351
<b>102.5</b>	1354
<b>105.0</b>	1362
<b>107.5</b>	1324
<b>110.0</b>	1306
<b>112.5</b>	1282
<b>115.0</b>	1239
<b>117.5</b>	1177
<b>120.0</b>	1105
<b>122.5</b>	1023
<b>125.0</b>	946
<b>127.5</b>	877
<b>130.0</b>	820
<b>132.5</b>	775

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	747
<b>137.5</b>	728
<b>140.0</b>	717
<b>142.5</b>	728
<b>145.0</b>	752
<b>147.5</b>	783
<b>150.0</b>	820
<b>152.5</b>	873
<b>155.0</b>	910
<b>157.5</b>	922
<b>160.0</b>	896
<b>162.5</b>	899
<b>165.0</b>	902
<b>167.5</b>	857
<b>170.0</b>	702
<b>172.5</b>	583
<b>175.0</b>	482
<b>177.5</b>	384
<b>180.0</b>	309

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	6866.28	20.6	21.6
0-40	13295.69	39.8	41.9
0-60	21544.94	64.5	67.9
0-90	25040.47	75	78.9
90-120	4072.55	12.2	12.8
90-130	4929.22	14.8	15.5
90-150	5989.48	17.9	18.9
90-180	6700.31	20.1	21.1
0-180	31740.78	95	100

Total Luminaire Efficiency = 95%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	629.99
10-20	2069.39
20-30	4166.9
30-40	6429.41
40-50	5627.95
50-60	2621.3
60-70	1091
70-80	1093.57
80-90	1310.96
90-100	1434.37
100-110	1420.06
110-120	1218.12
120-130	856.67
130-140	585.46
140-150	474.8
150-160	411.15
160-170	247.16
170-180	52.52

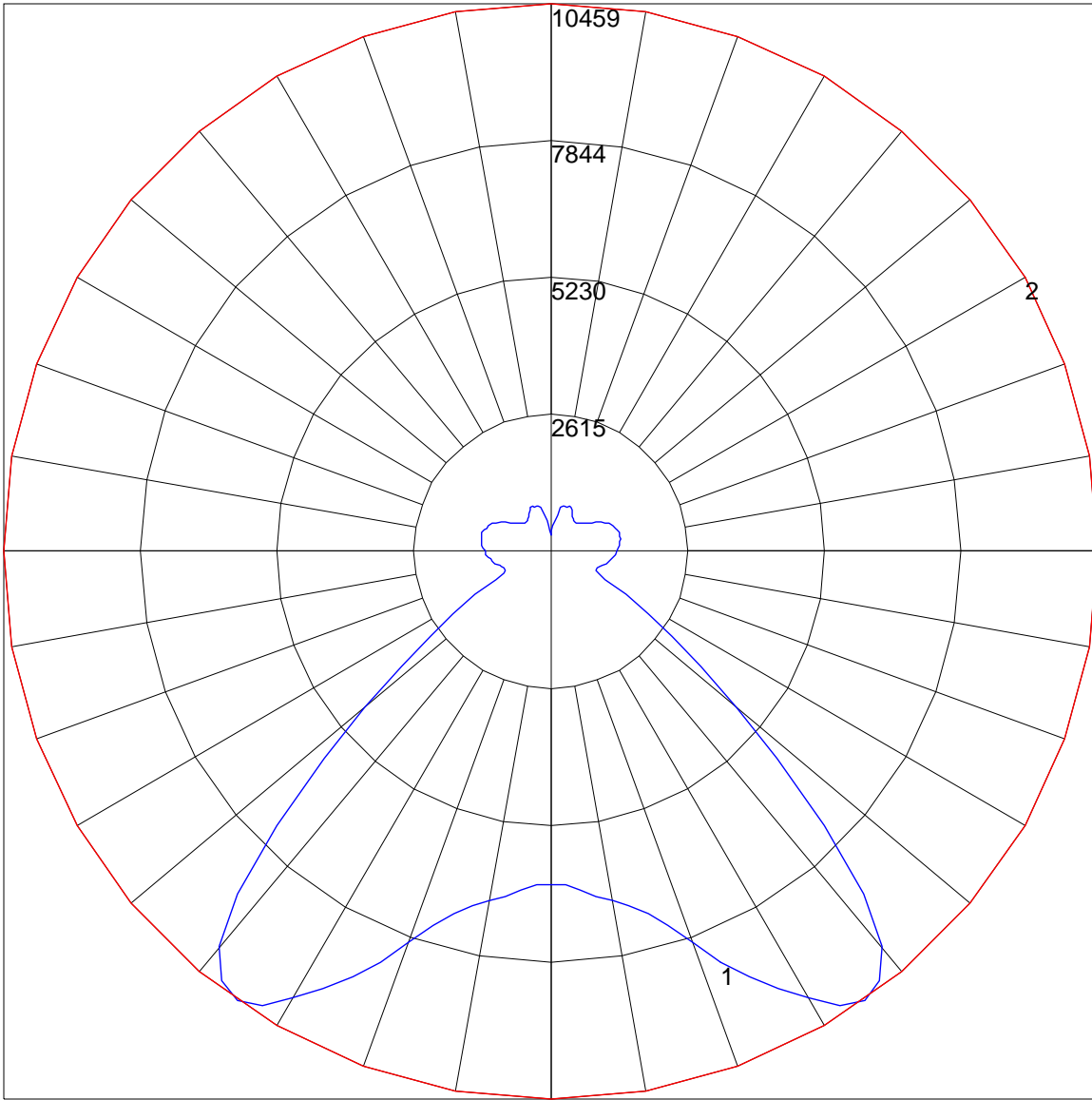
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	108	108	108	104	104	104	104	94	94	94	86	86	86	79	79	79	75	0
1	99	94	90	87	94	90	87	84	83	80	77	76	73	71	69	67	66	63	0
2	91	83	77	72	86	80	74	70	73	69	65	67	64	61	62	59	57	54	0
3	83	74	67	61	79	71	65	59	65	60	56	60	56	52	55	52	49	46	0
4	77	66	58	52	73	63	56	51	59	53	48	54	49	46	50	46	43	40	0
5	71	59	51	45	67	57	50	44	53	47	42	49	44	40	45	41	38	35	0
6	65	53	45	40	62	51	44	39	48	42	37	44	39	35	41	37	33	31	0
7	60	48	40	35	58	47	39	34	43	37	33	40	35	31	37	33	29	27	0
8	56	44	36	31	53	42	35	30	40	33	29	37	32	28	34	30	26	24	0
9	52	40	33	28	50	39	32	27	36	30	26	34	29	25	32	27	24	22	0
10	49	37	30	25	47	36	29	24	33	27	23	31	26	22	29	25	21	20	0

POLAR GRAPH



Maximum Candela = 10459 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.)