



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ITL52323.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
 [DATE]03/01/02  
 [TEST]ITL52323  
 [MANUFAC]LEXALITE INTERNATIONAL CORPORATION  
 [LUMCAT]MODEL 812 (2ND MOLD)  
 [LUMINAIRE]CLEAR LINEAR PRISMATIC ACRYLIC REFLECTOR WITH FORMED WHITE  
 [MORE]PAINTED METAL UPPER MOUNTING COLLAR, OPEN BOTTOM. LAMP LIGHT  
 [MORE]CENTER LOCATED 4" FROM BOTTOM OF REFLECTOR.  
 [LAMP]ONE 70-WATT PHOSPHOR-COATED ED-17 METAL HALIDE, VERTICAL BASE-UP  
 [MORE]POSITION.  
 [\_MOUNTING]PENDANT

**CHARACTERISTICS**

Total Rated Lamp Lumens	5000
Total Luminaire Efficiency	97.3 %
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	70
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.66
Spacing Criteria (90-270)	2.66
Spacing Criteria (Diagonal)	2.16
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.03 ft (Diameter)
Luminous Height	0.56 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17041	17041	17041
55	10232	10232	10232
65	3745	3745	3745
75	2257	2257	2257
85	3124	3124	3124

CANDELA TABULATION

	<u>0</u>
0.0	503
2.5	514
5.0	543
7.5	565
10.0	571
12.5	574
15.0	588
17.5	614
20.0	649
22.5	695
25.0	756
27.5	823
30.0	896
32.5	977
35.0	1074
37.5	1188
40.0	1329
42.5	1487
45.0	1586
47.5	1583
50.0	1470
52.5	1203
55.0	908
57.5	678
60.0	515
62.5	398
65.0	306
67.5	228
70.0	168
72.5	156
75.0	163
77.5	170
80.0	178
82.5	184
85.0	189
87.5	195
90.0	200
92.5	204
95.0	207
97.5	209
100.0	208
102.5	208
105.0	204
107.5	199
110.0	193
112.5	188
115.0	180
117.5	173
120.0	165
122.5	156
125.0	144
127.5	131
130.0	116
132.5	101

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	88
<b>137.5</b>	77
<b>140.0</b>	66
<b>142.5</b>	60
<b>145.0</b>	54
<b>147.5</b>	50
<b>150.0</b>	49
<b>152.5</b>	53
<b>155.0</b>	60
<b>157.5</b>	62
<b>160.0</b>	58
<b>162.5</b>	49
<b>165.0</b>	36
<b>167.5</b>	24
<b>170.0</b>	16
<b>172.5</b>	12
<b>175.0</b>	11
<b>177.5</b>	10
<b>180.0</b>	12

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	578.88	11.6	11.9
0-40	1267.52	25.4	26
0-60	3281.3	65.6	67.4
0-90	3976.81	79.5	81.7
90-120	618.29	12.4	12.7
90-130	746.9	14.9	15.3
90-150	851.54	17	17.5
90-180	889.99	17.8	18.3
0-180	4866.8	97.3	100

Total Luminaire Efficiency = 97.3%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	52.74
10-20	170.22
20-30	355.92
30-40	688.64
40-50	1174.15
50-60	839.63
60-70	313.84
70-80	175.15
80-90	206.51
90-100	224.75
100-110	214.69
110-120	178.85
120-130	128.61
130-140	69.64
140-150	35.01
150-160	26.27
160-170	11
170-180	1.18

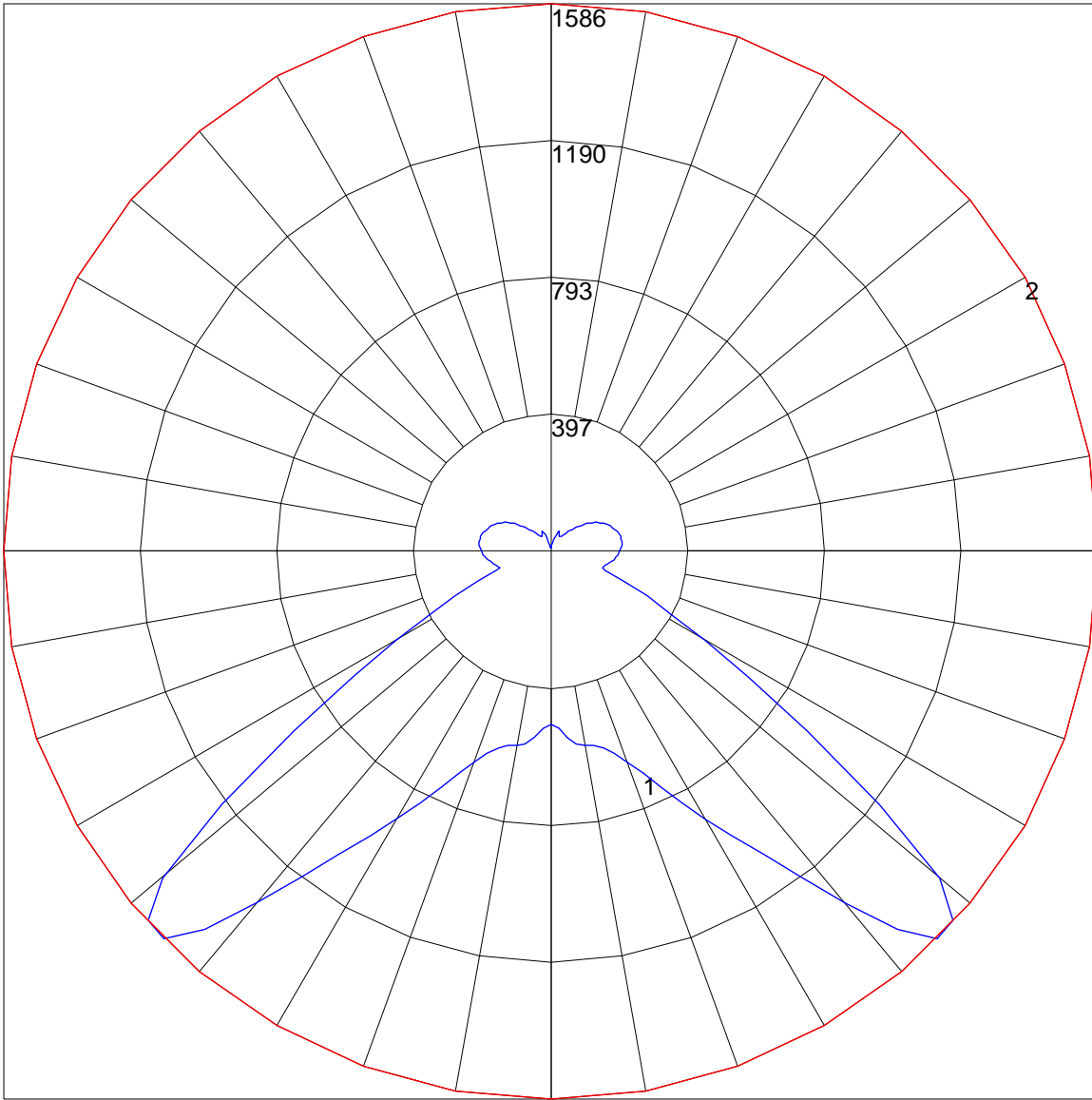
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	112	112	112	112	112	107	107	107	107	98	98	98	90	90	90	83	83	83	80
1	101	96	92	88	88	97	92	88	85	85	82	79	78	75	73	72	70	68	65
2	92	83	77	71	71	87	80	74	69	74	69	64	68	64	60	62	59	56	53
3	83	73	64	58	58	79	70	62	56	64	58	53	59	54	50	54	50	47	44
4	75	63	55	48	48	72	61	53	47	56	50	44	52	46	42	48	43	39	37
5	69	56	47	40	40	65	54	45	39	50	43	37	46	40	35	42	37	33	31
6	63	49	41	34	34	60	48	39	33	44	37	32	41	35	30	38	32	28	26
7	58	44	35	29	29	55	42	34	28	39	32	27	36	30	26	34	28	24	22
8	53	39	31	25	25	50	38	30	25	35	28	23	33	27	22	30	25	21	19
9	49	36	27	22	22	47	34	27	21	32	25	20	30	24	19	27	22	18	16
10	46	32	24	19	19	43	31	24	19	29	22	18	27	21	17	25	20	16	14

POLAR GRAPH



Maximum Candela = 1586 Located At Horizontal Angle = 0, Vertical Angle = 45  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)