



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ITL37625.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

REPORT NUMBER: ITL37625                      DATE: 12-10-1990  
 PREPARED FOR: LEXALITE INTERNATIONAL  
 CATALOG NUMBER: 816 WITH 2% WHITE (LC=6.75")  
 LUMINAIRE: FORMED ACRYLIC PRISMATIC REFLECTOR/REFRACTOR WITH WHITE-PAINTED UPPER COLLAR, OPEN BOTTOM.  
 LAMP: DIFFUSE 250-WATT E28 HIGH PRESSURE SODIUM, BASE UP POSITION, RATED 26000 LUMENS.  
 MOUNTING: PENDANT  
 THE ARC TUBE VOLTAGE RISE= 1.4

**CHARACTERISTICS**

Total Rated Lamp Lumens	26000
Total Luminaire Efficiency	92.8 %
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	250
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.10
Spacing Criteria (90-270)	2.10
Spacing Criteria (Diagonal)	1.96
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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**CANDELA TABULATION**

	<u>0</u>
<b>0</b>	2968.00
<b>5</b>	2991.00
<b>10</b>	3046.00
<b>15</b>	3118.00
<b>20</b>	3236.00
<b>25</b>	3441.00
<b>30</b>	3780.00
<b>35</b>	4239.00
<b>40</b>	4672.00
<b>45</b>	4649.00
<b>50</b>	4178.00
<b>55</b>	3551.00
<b>60</b>	2829.00
<b>65</b>	2271.00
<b>70</b>	1898.00
<b>75</b>	1664.00
<b>80</b>	1569.00
<b>85</b>	1540.00
<b>90</b>	1520.00
<b>95</b>	1523.00
<b>100</b>	1514.00
<b>105</b>	1468.00
<b>110</b>	1375.00
<b>115</b>	1219.00
<b>120</b>	1052.00
<b>125</b>	846.60
<b>130</b>	629.90
<b>135</b>	439.20
<b>140</b>	407.40
<b>145</b>	459.40
<b>150</b>	549.00
<b>155</b>	601.00
<b>160</b>	618.40
<b>165</b>	369.90
<b>170</b>	205.20
<b>175</b>	95.36
<b>180</b>	98.24

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	2790.62	10.7	11.6
0-40	5458.21	21	22.6
0-60	12122.95	46.6	50.2
0-90	17897.14	68.8	74.2
90-120	4408.34	17	18.3
90-130	5168.24	19.9	21.4
90-150	5834.13	22.4	24.2
90-180	6236.19	24	25.8
0-180	24133.33	92.8	100

Total Luminaire Efficiency = 92.8%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	287.2
10-20	889.3
20-30	1614.12
30-40	2667.59
40-50	3509.48
50-60	3155.26
60-70	2295.44
70-80	1796.11
80-90	1682.64
90-100	1658.42
100-110	1541.02
110-120	1208.9
120-130	759.9
130-140	372.78
140-150	293.11
150-160	273.43
160-170	115.56
170-180	13.07

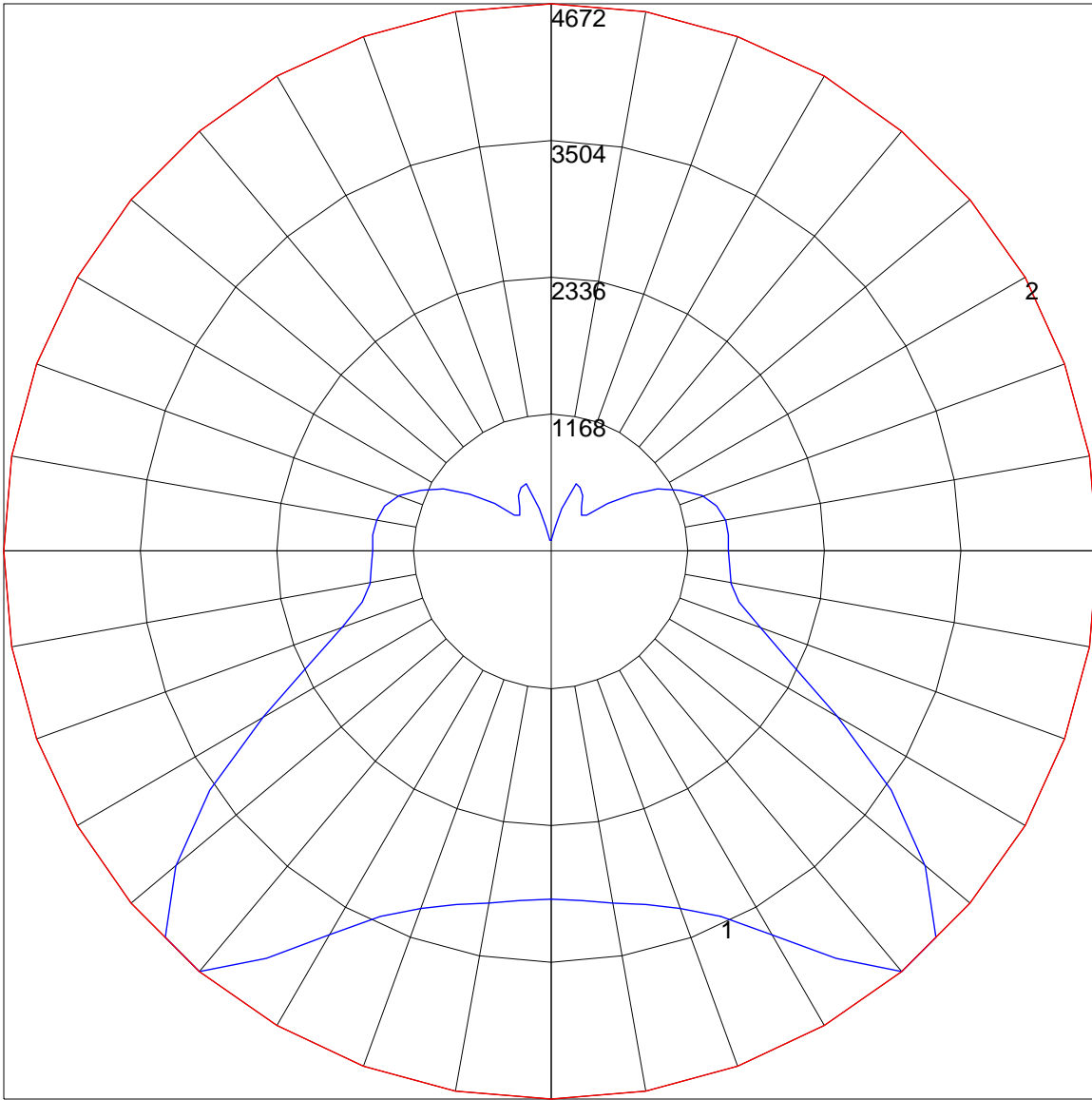
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	105	105	105	105	100	100	100	100	90	90	90	81	81	81	73	73	73	69
1	93	88	83	78	88	83	79	75	75	71	68	67	64	62	60	58	56	52
2	84	75	68	62	79	71	65	59	64	59	54	57	53	49	51	48	45	41
3	75	65	57	50	71	61	54	48	55	49	44	49	45	40	44	40	37	34
4	68	57	48	41	64	54	46	40	48	42	37	43	38	34	39	34	31	28
5	62	50	41	35	59	47	39	33	43	36	31	38	33	28	34	30	26	23
6	57	44	36	30	54	42	34	28	38	31	26	34	29	24	31	26	22	20
7	53	40	31	25	50	38	30	25	34	28	23	31	25	21	28	23	19	17
8	49	36	28	22	46	34	27	21	31	24	20	28	22	18	25	20	17	15
9	45	33	25	19	43	31	24	19	28	22	17	25	20	16	23	18	15	13
10	42	30	22	17	40	28	21	17	26	20	15	23	18	14	21	16	13	11

POLAR GRAPH



Maximum Candela = 4672 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.)