



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ITL35755.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

REPORT NUMBER: ITL35755                      DATE: 6-12-1989  
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.  
 CATALOG NUMBER: LUMISISTEMAS 22"  
 LUMINAIRE: WHITE PAINTED METAL BALLAST HOUSING AND SOCKET ASSEMBLY,  
               CLEAR ACRYLIC PRISMATIC REFLECTOR WITH WHITE PAINTED SUPPORT  
               RING, DROP ACRYLIC PRISMATIC LOWER ENCLOSURE.  
 LAMP: CLEAR 400-WATT METAL HALIDE, RATED 36000 LUMENS.  
 MOUNTING: PENDENT

**CHARACTERISTICS**

Total Rated Lamp Lumens	36000
Total Luminaire Efficiency	88.6 %
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	400
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	1.96
Spacing Criteria (90-270)	1.96
Spacing Criteria (Diagonal)	1.68
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.88 ft (Diameter)
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	35074	35074	35074
55	23759	23759	23759
65	17786	17786	17786
75	20901	20901	20901
85	48172	48172	48172

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : ITL35755.IES

CANDELA TABULATION

	<u>0</u>
0	5055.0
5	5370.0
10	6238.0
15	7371.0
20	8277.0
25	8596.0
30	8839.0
35	9707.0
40	9170.0
45	6368.0
50	4598.0
55	3499.0
60	2559.0
65	1930.0
70	1561.0
75	1389.0
80	1321.0
85	1078.0
90	1036.0
95	1179.0
100	1313.0
105	1418.0
110	1389.0
115	1221.0
120	981.6
125	792.9
130	675.4
135	654.4
140	746.7
145	922.9
150	1074.0
155	1011.0
160	709.0
165	520.2
170	528.6
175	520.2
180	620.9

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ITL35755.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	6612.85	18.4	20.7
0-40	12493.37	34.7	39.2
0-60	20747.04	57.6	65.1
0-90	25449.17	70.7	79.8
90-120	3944.39	11	12.4
90-130	4673.82	13	14.7
90-150	5774.57	16	18.1
90-180	6433.5	17.9	20.2
0-180	31882.67	88.6	100

Total Luminaire Efficiency = 88.6%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	539.88
10-20	2096.89
20-30	3976.08
30-40	5880.51
40-50	5092.83
50-60	3160.85
60-70	1975.23
70-80	1496.2
80-90	1230.7
90-100	1283.62
100-110	1464.44
110-120	1196.33
120-130	729.43
130-140	528.13
140-150	572.62
150-160	444.25
160-170	163.52
170-180	51.16

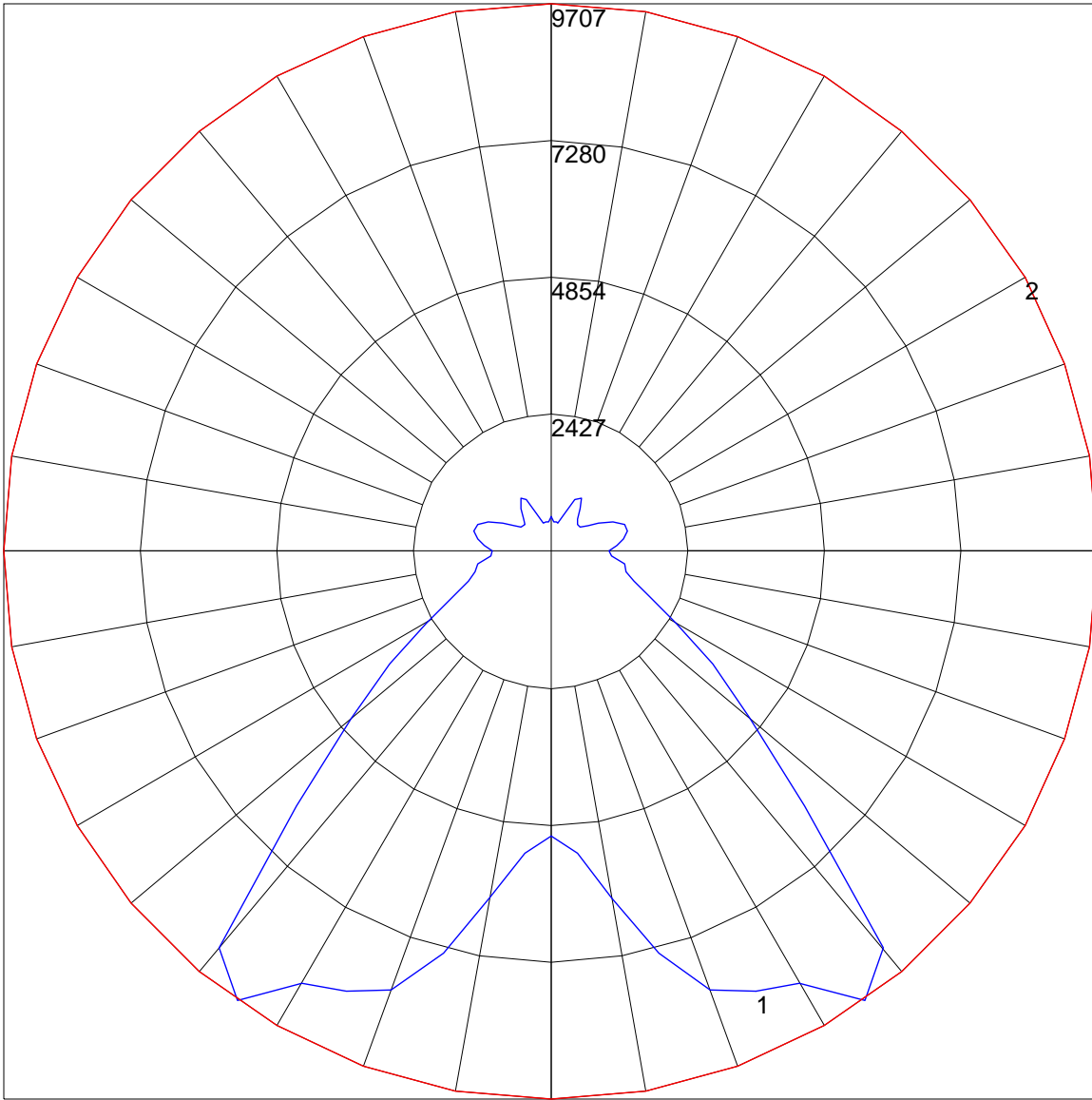
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ITL35755.IES**

**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	101	101	101	101	97	97	97	97	88	88	88	81	81	81	74	74	74	71
1	92	88	84	80	88	84	81	77	77	74	72	70	68	66	65	63	61	58
2	84	77	71	66	80	74	68	64	68	63	60	62	59	56	57	54	52	49
3	77	68	61	55	73	65	59	54	60	55	51	55	51	47	51	47	45	42
4	70	60	53	47	67	58	51	46	53	48	43	49	45	41	45	42	38	36
5	65	54	46	41	62	52	45	40	48	42	38	44	39	36	41	37	34	31
6	60	48	41	35	57	47	40	34	43	37	33	40	35	31	37	33	29	27
7	55	44	36	31	53	42	35	30	39	33	29	36	31	27	34	29	26	24
8	51	40	32	27	49	38	32	27	36	30	26	33	28	24	31	27	23	21
9	48	36	29	24	46	35	28	24	33	27	23	31	25	22	28	24	21	19
10	45	33	26	22	43	32	26	21	30	24	21	28	23	20	26	22	19	17

POLAR GRAPH



Maximum Candela = 9707 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.)