



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ITL35756.IES

DESCRIPTION INFORMATION (From Photometric File)

REPORT NUMBER: ITL35756 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: PHOSPHOR COATED 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)	1.74
Spacing Criteria (90-270)	1.74
Spacing Criteria (Diagonal)	1.58
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	29396	29396	29396
55	21980	21980	21980
65	19767	19767	19767
75	25732	25732	25732
85	71632	71632	71632

CANDELA TABULATION

	<u>0</u>
0	5617.0
5	5759.0
10	6190.0
15	6807.0
20	7278.0
25	7704.0
30	8095.0
35	8024.0
40	6807.0
45	5337.0
50	4138.0
55	3237.0
60	2580.0
65	2145.0
70	1843.0
75	1710.0
80	1665.0
85	1603.0
90	1630.0
95	1687.0
100	1754.0
105	1772.0
110	1732.0
115	1625.0
120	1465.0
125	1274.0
130	1035.0
135	848.1
140	754.9
145	737.1
150	737.1
155	701.6
160	666.1
165	510.6
170	546.2
175	470.7
180	417.4

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	6065.94	16.8	19
0-40	10914.01	30.3	34.2
0-60	18025.29	50.1	56.5
0-90	23788.7	66.1	74.6
90-120	5303.77	14.7	16.6
90-130	6438.94	17.9	20.2
90-150	7582.27	21.1	23.8
90-180	8114.44	22.5	25.4
0-180	31903.14	88.6	100

Total Luminaire Efficiency = 88.6%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	563.45
10-20	1931.78
20-30	3570.71
30-40	4848.08
40-50	4163.12
50-60	2948.15
60-70	2158.44
70-80	1831.75
80-90	1773.21
90-100	1843.22
100-110	1859.35
110-120	1601.2
120-130	1135.17
130-140	677.32
140-150	466.02
150-160	325.52
160-170	159.67
170-180	46.99

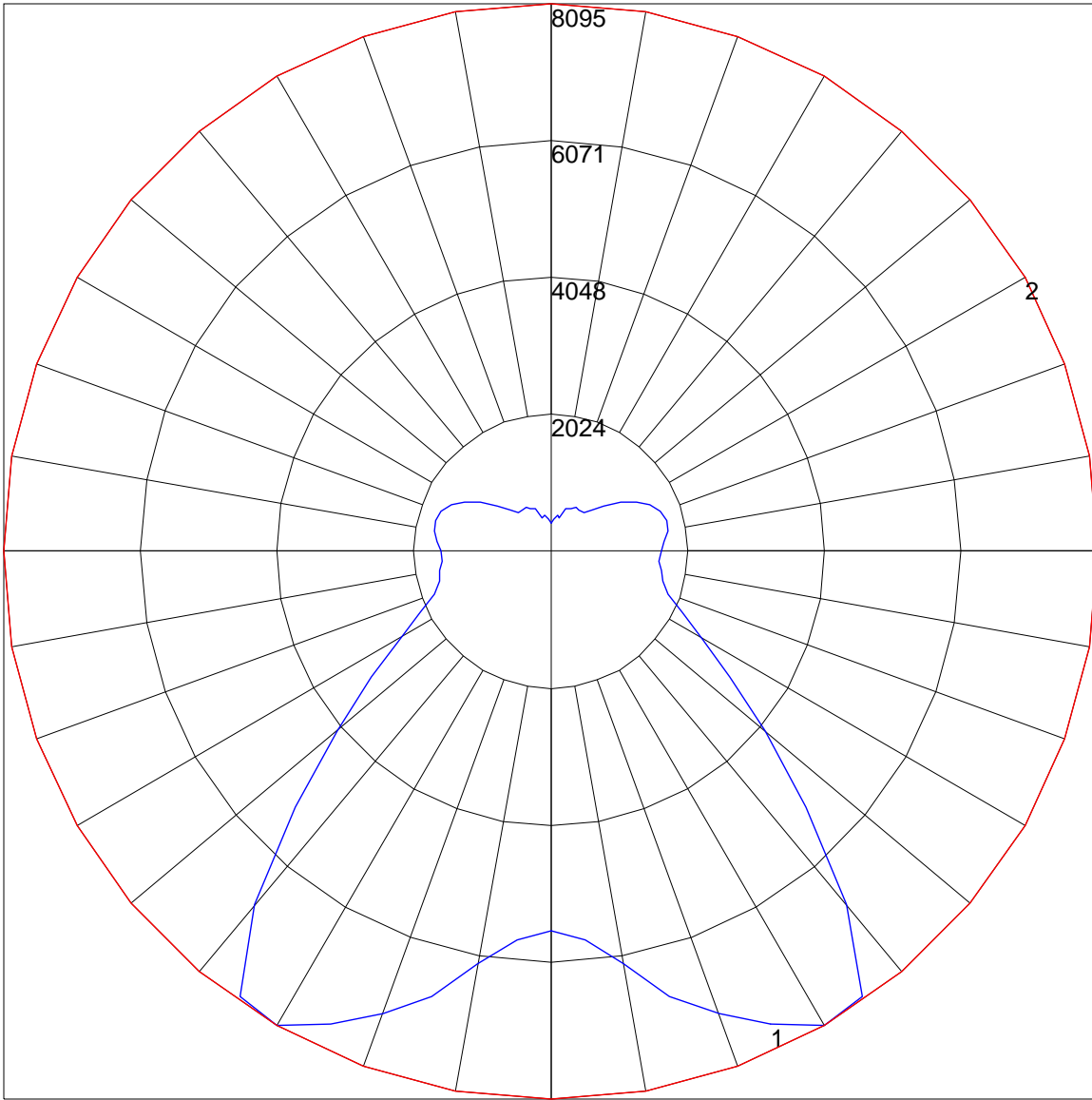
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	100	100	100	95	95	95	95	86	86	86	77	77	77	70	70	70	66
1	90	85	81	78	85	81	78	74	73	70	68	66	64	62	59	58	56	53
2	82	74	68	63	77	71	65	61	64	60	56	58	54	51	52	49	47	44
3	75	65	58	53	71	62	56	51	57	51	47	51	47	43	46	43	40	37
4	68	58	50	45	65	55	48	43	50	45	40	46	41	37	41	37	34	32
5	63	52	44	38	59	49	42	37	45	39	35	41	36	32	37	33	30	27
6	58	47	39	33	55	45	37	32	41	35	30	37	32	28	34	30	26	24
7	54	42	35	29	51	40	33	28	37	31	27	34	29	25	31	27	23	21
8	50	38	31	26	47	37	30	25	34	28	24	31	26	22	28	24	21	19
9	46	35	28	23	44	34	27	22	31	25	21	28	23	20	26	22	19	17
10	43	32	25	21	41	31	24	20	28	23	19	26	21	18	24	20	17	15

POLAR GRAPH



Maximum Candela = 8095 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)