



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ITL35666.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

REPORT NUMBER: ITL35666                      DATE: 5-10-1989  
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.  
 CATALOG NUMBER: 822, WHITE PAINTED COLLAR  
 LUMINAIRE: WHITE PAINTED METAL BALLAST HOUSING AND SOCKET ASSEMBLY,  
               CLEAR PLASTIC PRISMATIC REFLECTOR WITH WHITE PAINTED  
               SUPPORT RING AT TOP, OPEN BOTTOM.  
 LAMP: PHOSPHOR COATED 400-WATT METAL HALIDE, RATED 36000 LUMENS.  
 MOUNTING: SUSPENDED

**CHARACTERISTICS**

Total Rated Lamp Lumens	36000
Total Luminaire Efficiency	92.7 %
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	400
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	2.02
Spacing Criteria (90-270)	2.02
Spacing Criteria (Diagonal)	1.68
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>
0	4021.0
5	4220.0
10	4496.0
15	5052.0
20	7071.0
25	11880.0
30	13310.0
35	15337.0
40	21810.0
45	5815.0
50	3542.0
55	1472.0
60	1056.0
65	950.1
70	945.9
75	920.4
80	1001.0
85	916.2
90	835.6
95	967.1
100	1103.0
105	1137.0
110	1069.0
115	899.2
120	610.8
125	309.6
130	169.7
135	178.1
140	190.9
145	284.2
150	585.3
155	665.9
160	441.1
165	292.7
170	258.7
175	237.5
180	288.4

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	7151.23	19.9	21.4
0-40	17567.4	48.8	52.6
0-60	26247.66	72.9	78.7
0-90	29217.97	81.2	87.6
90-120	3097.51	8.6	9.3
90-130	3414.47	9.5	10.2
90-150	3760.38	10.4	11.3
90-180	4152.05	11.5	12.4
0-180	33370.01	92.7	100

Total Luminaire Efficiency = 92.7%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	410.32
10-20	1565.49
20-30	5175.43
30-40	10416.17
40-50	7005.71
50-60	1674.55
60-70	967.77
70-80	1001.93
80-90	1000.61
90-100	1056.09
100-110	1175.97
110-120	865.44
120-130	316.96
130-140	138.6
140-150	207.31
150-160	274.44
160-170	93.18
170-180	24.04

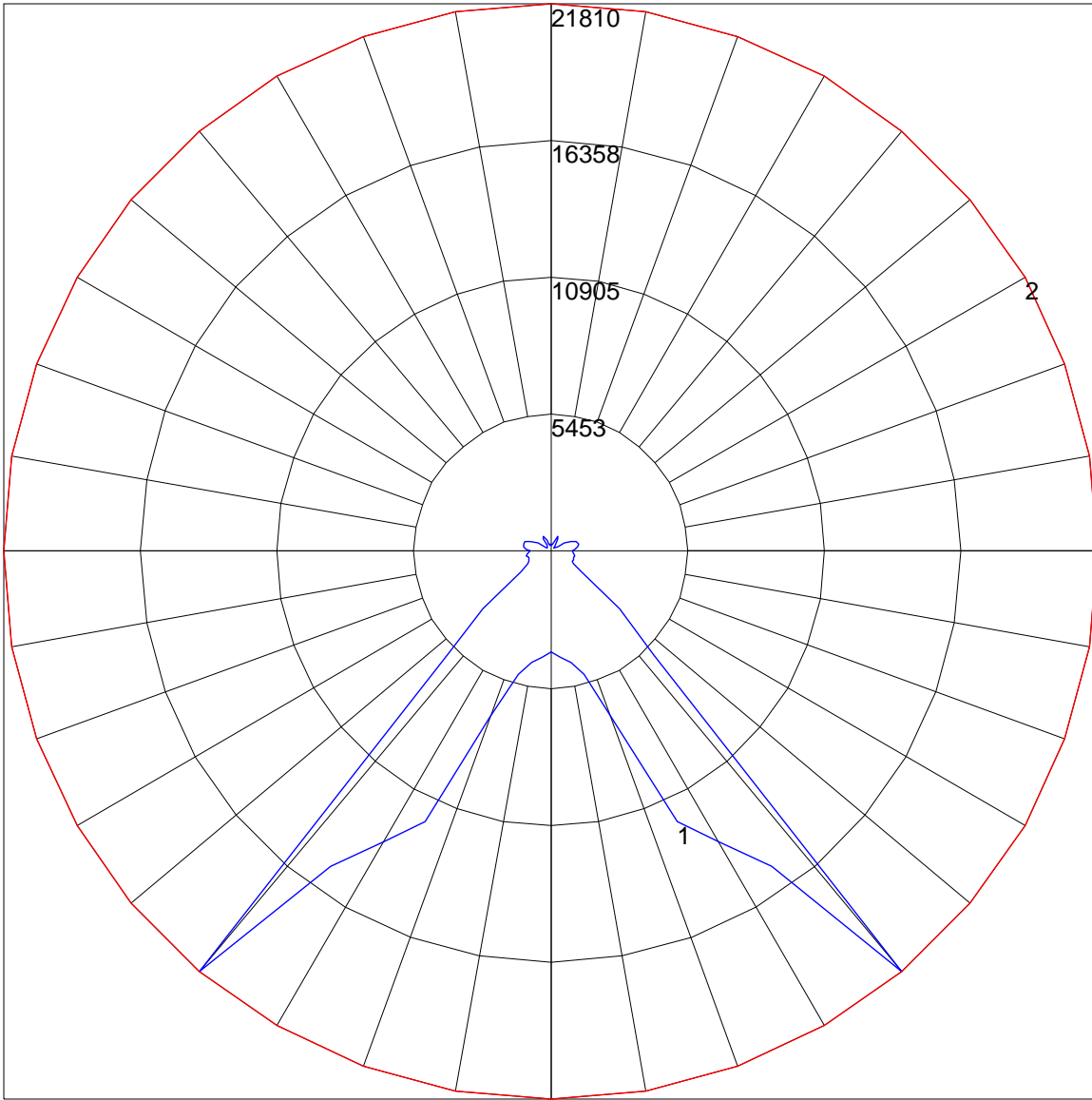
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	97	97	97	90	90	90	84	84	84	81
1	99	95	91	88	95	92	89	86	86	83	81	80	78	76	75	74	72	70
2	91	84	79	74	88	82	77	72	77	73	69	72	69	66	68	65	63	60
3	84	75	69	63	81	73	67	62	69	64	59	65	60	57	61	58	55	52
4	77	67	60	54	74	65	59	53	62	56	51	58	53	50	55	51	48	46
5	71	60	53	47	69	59	52	46	56	49	45	53	47	43	50	45	42	40
6	66	54	47	41	63	53	46	41	50	44	39	48	42	38	45	41	37	35
7	61	49	41	36	59	48	41	36	45	39	35	43	38	34	41	36	33	31
8	56	44	37	32	54	43	36	31	41	35	31	39	34	30	37	33	29	27
9	52	40	33	28	50	39	33	28	38	31	27	36	30	26	34	29	26	24
10	49	37	30	25	47	36	29	25	34	28	24	33	27	24	31	26	23	21

POLAR GRAPH



Maximum Candela = 21810 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.)