IES INDOOR REPORT
PHOTOMETRIC FILENAME : BOXBAFFLE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] Photopia 2.0.0.17 PHOTOMETRIC REPORT
[MANUFAC] VODE LIGHTING
[LUMINAIRE]BoxBaffle
[LAMP] 54W T5 HO

CHARACTERISTICS

Total Rated Lamp Lumens	4500
Total Luminaire Efficiency	50.6 %
Luminaire Efficacy Rating (LER)	39
Total Luminaire Watts	59
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criteria (0-180)	N.A.
Spacing Criteria (90-270)	N.A.
Spacing Criteria (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.03 m
Luminous Height	0.05 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8293	4199	4254
55	5562	2323	2969
65	2416	1191	1932
75	1592	699	1043
85	1111	376	515

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	545.87	545.87	545.87	545.87	545.87
5	533.99	547.59	572.03	568.56	589.20
10	471.52	523.51	580.11	595.94	610.43
15	523.10	524.51	577.01	639.36	656.55
20	467.22	494.57	554.90	610.19	631.59
25	412.96	466.11	510.36	549.82	558.62
30	401.02	437.51	477.57	476.07	497.04
35	346.08	389.84	388.91	403.93	434.13
40	292.76	328.66	321.84	348.66	374.77
45	257.64	274.57	255.35	286.73	308.07
50	200.22	203.07	204.29	217.06	258.79
55	142.51	142.76	139.57	185.10	218.33
60	84.44	94.05	96.10	137.71	175.55
65	46.85	53.38	68.52	105.50	139.91
70	32.85	36.13	46.61	74.32	97.27
75	20.02	24.72	37.20	53.86	72.06
80	13.09	16.38	27.45	39.95	48.42
85	5.98	12.34	17.80	25.08	32.80
90	5.47	8.52	15.36	20.63	20.05
95	29.00	14.59	18.87	21.18	21.62
100	62.36	32.39	24.60	27.36	28.70
105	99.65	67.65	31.35	30.94	34.33
110	121.91	108.49	53.27	36.08	39.39
115	161.36	157.84	97.40	57.25	52.27
120	175.29	199.85	145.46	107.39	87.39
125	203.87	246.43	196.89	161.07	142.81
130	217.37	282.88	227.38	207.57	201.87
135	229.07	301.21	286.36	250.95	252.64
140	255.42	335.86	343.69	305.26	285.13
145	266.07	331.73	376.06	350.06	346.27
150	289.24	321.59	403.35	401.73	383.59
155	312.35	328.52	397.32	442.17	419.59
160	314.76	318.13	375.54	418.72	428.95
165	327.85	316.92	348.87	390.00	395.22
170	333.50	325.15	314.40	313.25	328.65
175	337.01	317.55	338.95	344.38	338.71
180	338.30	338.30	338.30	338.30	338.30

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	447.29	9.9	19.6
0-40	694.14	15.4	30.5
0-60	1050.94	23.4	46.1
0-90	1198.08	26.6	52.6
90-120	181.73	4	8
90-130	353.11	7.8	15.5
90-150	775.87	17.2	34
90-180	1081.17	24	47.4
0-180	2279.25	50.6	100

Total Luminaire Efficiency = 50.6%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.41
10-20	161.33
20-30	232.56
30-40	246.84
40-50	211.28
50-60	145.53
60-70	81.69
70-80	43.58
80-90	21.88
90-100	23.65
100-110	52.93
110-120	105.15
120-130	171.38
130-140	209.44
140-150	213.32
150-160	173.96
160-170	99.84
170-180	31.5

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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	55	55	55	55	51	51	51	51	43	43	43	36	36	36	30	30	30	27
1	50	48	46	45	46	45	43	42	38	37	36	32	31	31	27	26	26	23
2	46	42	40	37	43	39	37	35	34	32	30	29	27	26	24	23	22	20
3	42	38	34	31	39	35	32	30	30	28	26	26	24	23	22	20	19	17
4	39	34	30	27	36	31	28	25	27	25	23	23	21	20	20	18	17	15
5	36	30	26	23	33	28	25	22	25	22	20	21	19	17	18	16	15	14
6	33	27	23	20	31	26	22	19	22	19	17	19	17	15	16	15	14	12
7	31	25	21	18	28	23	20	17	20	18	16	18	15	14	15	13	12	11
8	29	23	19	16	27	21	18	15	19	16	14	16	14	12	14	12	11	10
9	27	21	17	14	25	19	16	14	17	14	13	15	13	11	13	11	10	9
10	25	19	15	13	23	18	15	13	16	13	11	14	12	10	12	10	9	8

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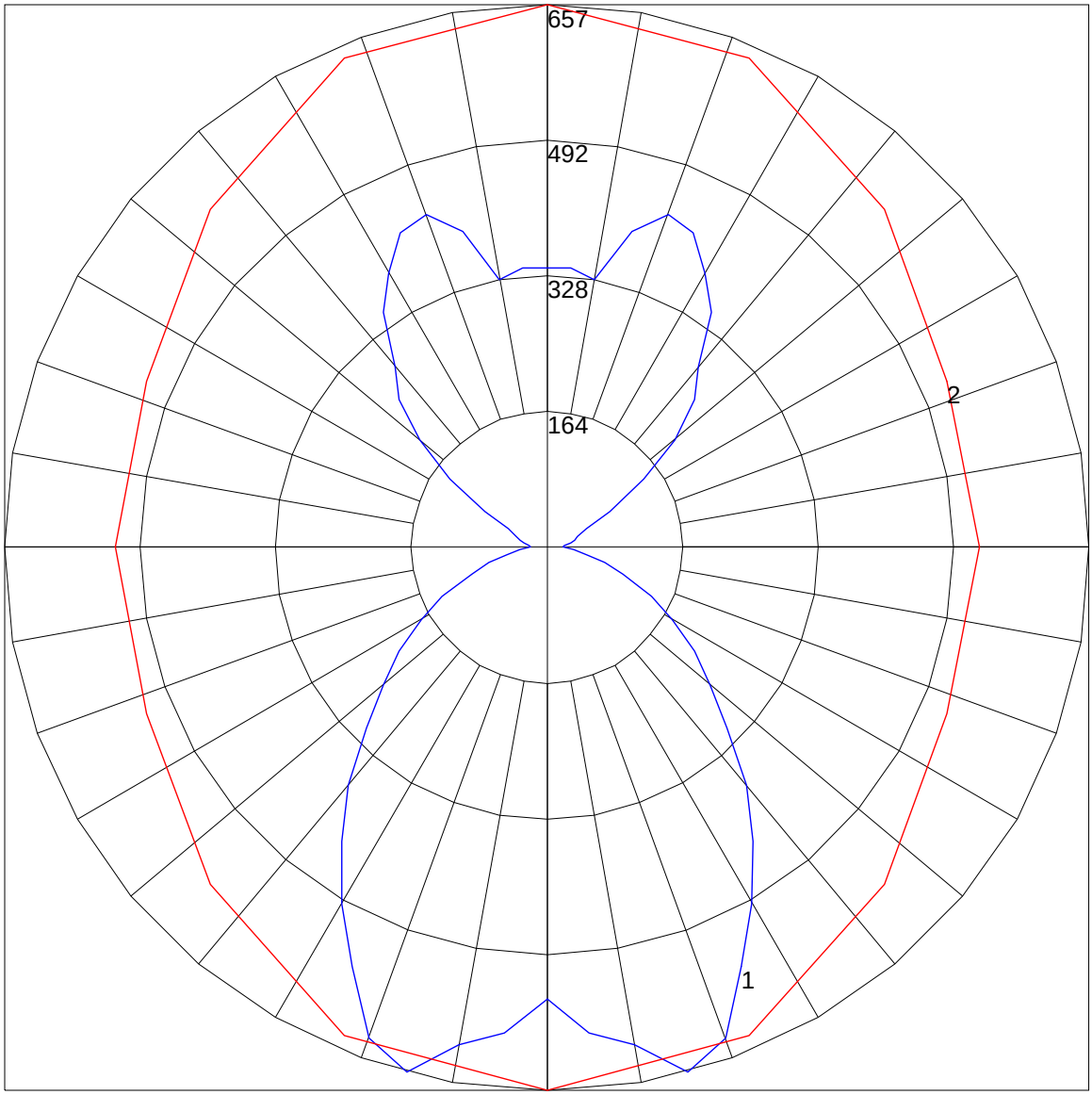
POLAR GRAPH



Maximum Candela = 656.55 Located At Horizontal Angle = 90, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)