

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BEEFUSE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] Photopia 2.0.0.17 PHOTOMETRIC REPORT
[MANUFAC] VODE LIGHTING
[LUMINAIRE] BeeFuse
[LAMP] 54W T5HO

CHARACTERISTICS

Total Rated Lamp Lumens	4500
Total Luminaire Efficiency	84 %
Luminaire Efficacy Rating (LER)	64
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)	1.24 m
Luminous Width (90-270)	0.03 m
Luminous Height	0.04 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10635	7256	7451
55	9525	6604	7166
65	8357	6451	7211
75	6562	6147	7625
85	7159	6526	7969

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	415.59	415.59	415.59	415.59	415.59
5	495.11	431.67	440.29	469.22	452.42
10	472.33	453.21	457.74	455.57	485.20
15	452.50	456.64	457.81	460.90	461.16
20	433.62	418.39	446.81	447.49	432.83
25	404.38	417.27	442.36	452.56	465.36
30	374.14	393.55	427.87	454.40	471.26
35	354.13	370.91	411.70	456.85	468.85
40	314.67	339.60	395.76	446.00	469.89
45	276.03	313.12	387.89	456.29	479.28
50	232.60	289.53	363.70	448.24	470.95
55	203.50	250.96	351.49	445.26	471.59
60	158.86	221.86	337.91	445.71	480.31
65	134.79	186.00	331.44	434.37	470.91
70	95.27	166.63	310.65	439.56	474.86
75	68.25	139.70	294.88	432.64	478.91
80	49.38	127.10	290.55	424.60	465.18
85	31.19	121.01	281.30	423.52	465.47
90	25.41	109.60	284.83	422.30	449.01
95	28.43	109.59	278.27	412.13	468.35
100	35.64	110.51	274.39	412.76	462.11
105	48.79	116.54	275.57	407.37	454.26
110	69.36	126.38	276.54	395.38	431.01
115	86.89	132.82	269.63	398.76	448.45
120	112.78	142.91	270.84	382.72	429.58
125	135.94	158.28	265.38	376.83	407.75
130	164.12	164.64	254.51	354.07	386.78
135	178.43	177.82	258.97	333.47	361.22
140	208.44	193.68	254.75	312.90	335.75
145	218.24	200.59	242.28	289.96	313.71
150	253.75	198.49	243.34	269.90	277.67
155	260.83	220.91	232.72	253.37	267.50
160	297.35	224.75	234.23	244.33	254.35
165	290.72	245.99	234.05	230.76	251.43
170	303.54	270.99	241.35	255.54	208.16
175	301.95	298.71	234.40	233.99	287.50
180	295.99	295.99	295.99	295.99	295.99

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	371.98	8.3	9.8
0-40	629.79	14	16.7
0-60	1235.55	27.5	32.7
0-90	2144.13	47.6	56.8
90-120	827.6	18.4	21.9
90-130	1066.56	23.7	28.2
90-150	1425.58	31.7	37.7
90-180	1633.88	36.3	43.2
0-180	3778	84	100

Total Luminaire Efficiency = 84%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	43.13
10-20	128.26
20-30	200.6
30-40	257.81
40-50	294.85
50-60	310.92
60-70	312.29
70-80	302.95
80-90	293.33
90-100	286.22
100-110	277.5
110-120	263.88
120-130	238.96
130-140	201.5
140-150	157.52
150-160	112.79
160-170	70.15
170-180	25.36

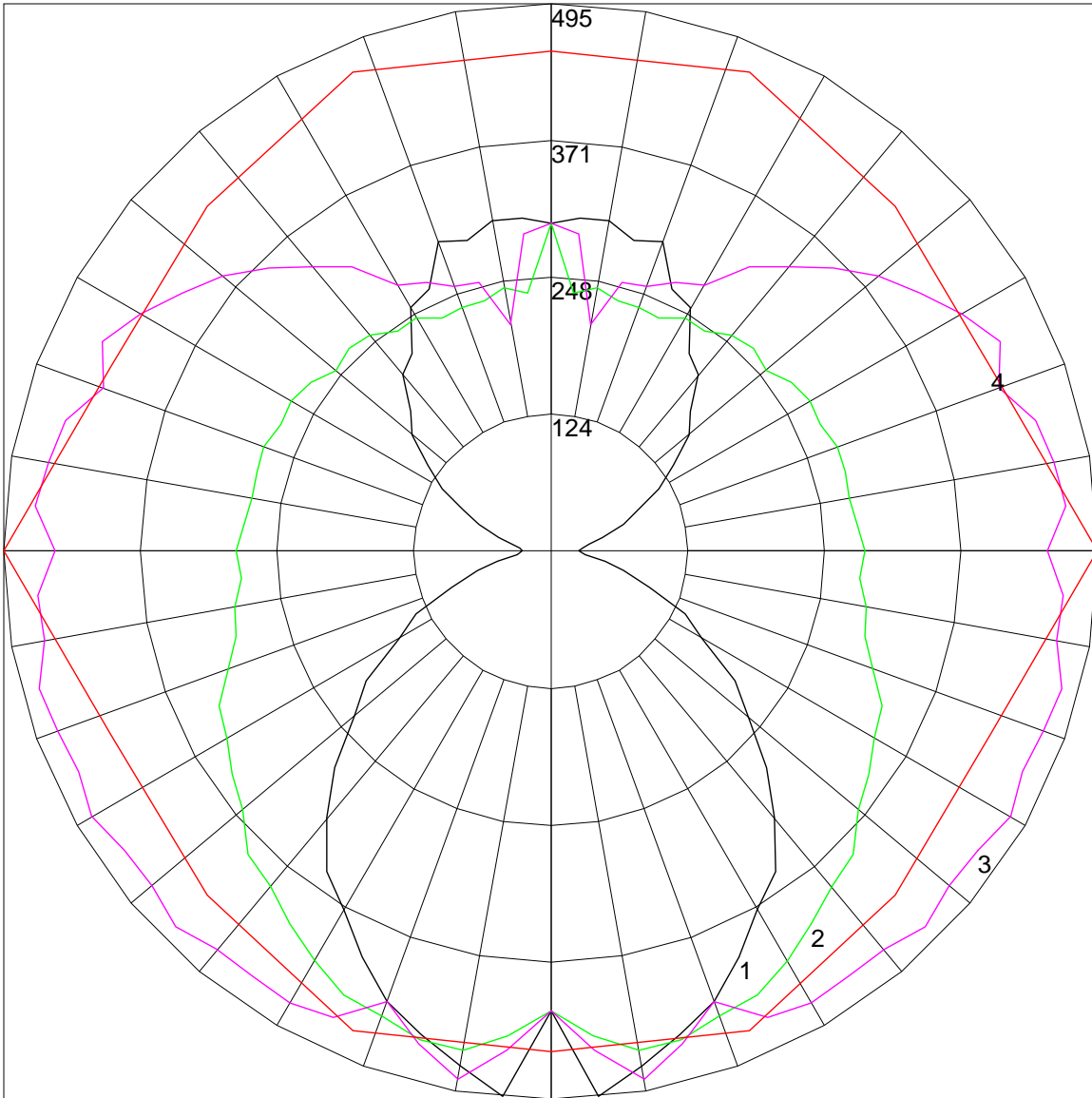
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	91	91	91	91	85	85	85	85	73	73	73	62	62	62	52	52	52	48
1	80	75	71	67	74	70	66	62	60	57	54	50	48	46	41	40	38	34
2	72	64	58	52	66	60	54	49	51	46	42	42	39	36	35	32	30	26
3	65	56	48	42	60	52	45	40	44	39	34	37	33	29	30	27	24	21
4	59	49	41	35	54	45	38	33	38	33	29	32	28	24	26	23	20	17
5	54	43	35	30	50	40	33	28	34	29	24	29	24	21	24	20	17	15
6	50	38	31	25	46	36	29	24	31	25	21	26	21	18	21	18	15	12
7	46	35	27	22	42	32	26	21	28	22	18	23	19	16	19	16	13	11
8	43	31	24	19	39	29	23	18	25	20	16	21	17	14	18	14	12	10
9	40	28	22	17	36	27	20	16	23	18	14	19	15	12	16	13	10	9
10	37	26	20	15	34	24	18	14	21	16	13	18	14	11	15	12	9	8

POLAR GRAPH



Maximum Candela = 495.11 Located At Horizontal Angle = 0, Vertical Angle = 5

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 4 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)