

IES INDOOR REPORT
PHOTOMETRIC FILENAME : QUEFUSE.IES

DESCRIPTION INFORMATION (From Photometric File)

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

CHARACTERISTICS

Total Rated Lamp Lumens	4500
Total Luminaire Efficiency	88 %
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	59
Ballast Factor	1.00
CIE Type	Semi-Indirect
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)	1.29 m
Luminous Width (90-270)	0.07 m
Luminous Height	0.04 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2290	2554	3098
55	2217	2710	3670
65	2255	3044	4007
75	2072	3230	4471
85	2083	3535	5043

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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	190.42	190.42	190.42	190.42	190.42
5	245.62	208.56	216.65	196.84	204.81
10	222.95	205.50	211.02	215.84	240.24
15	205.83	205.74	210.78	215.53	219.70
20	211.14	197.69	210.55	219.92	246.33
25	189.42	186.20	230.47	246.53	261.09
30	201.78	189.13	228.03	258.52	279.03
35	169.15	190.98	234.64	279.57	293.12
40	161.28	181.58	228.58	288.27	310.82
45	158.28	178.49	239.22	300.43	318.04
50	145.99	172.62	241.56	311.37	327.68
55	125.86	160.83	230.93	325.76	350.89
60	112.41	142.80	234.48	315.99	360.64
65	96.28	123.90	225.78	316.29	343.29
70	71.49	111.62	216.89	315.09	358.23
75	56.62	92.28	196.59	293.59	327.00
80	40.25	74.57	186.04	289.15	326.38
85	23.18	61.94	161.59	252.91	294.31
90	19.50	48.44	140.44	236.47	278.66
95	55.46	86.90	149.16	233.30	264.05
100	100.33	156.79	220.03	288.23	317.96
105	157.33	214.09	307.23	364.08	377.13
110	225.91	260.18	373.48	440.35	461.90
115	281.82	300.29	421.75	506.97	537.79
120	355.53	347.39	450.37	540.79	567.61
125	424.57	393.34	469.15	558.33	593.43
130	480.82	434.79	487.83	561.47	585.56
135	487.72	478.33	504.43	572.37	587.52
140	554.26	533.69	534.81	579.84	590.99
145	591.59	570.80	550.58	584.47	617.65
150	608.51	601.97	589.80	593.31	594.94
155	656.13	647.71	601.20	609.98	624.00
160	659.35	650.35	644.06	627.55	597.48
165	683.67	677.30	678.79	661.05	626.44
170	702.33	687.46	688.92	685.73	666.34
175	707.12	679.12	718.62	647.96	736.38
180	640.04	640.04	640.04	640.04	640.04

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	183.37	4.1	4.6
0-40	329.6	7.3	8.3
0-60	727.29	16.2	18.4
0-90	1331.31	29.6	33.6
90-120	890.56	19.8	22.5
90-130	1320.66	29.3	33.3
90-150	2089.9	46.4	52.8
90-180	2630.06	58.4	66.4
0-180	3961.37	88	100

Total Luminaire Efficiency = 88%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	20.11
10-20	60.4
20-30	102.86
30-40	146.23
40-50	184.45
50-60	213.24
60-70	220.75
70-80	207.52
80-90	175.75
90-100	184.51
100-110	303.56
110-120	402.5
120-130	430.1
130-140	407.3
140-150	361.94
150-160	286.97
160-170	187.96
170-180	65.23

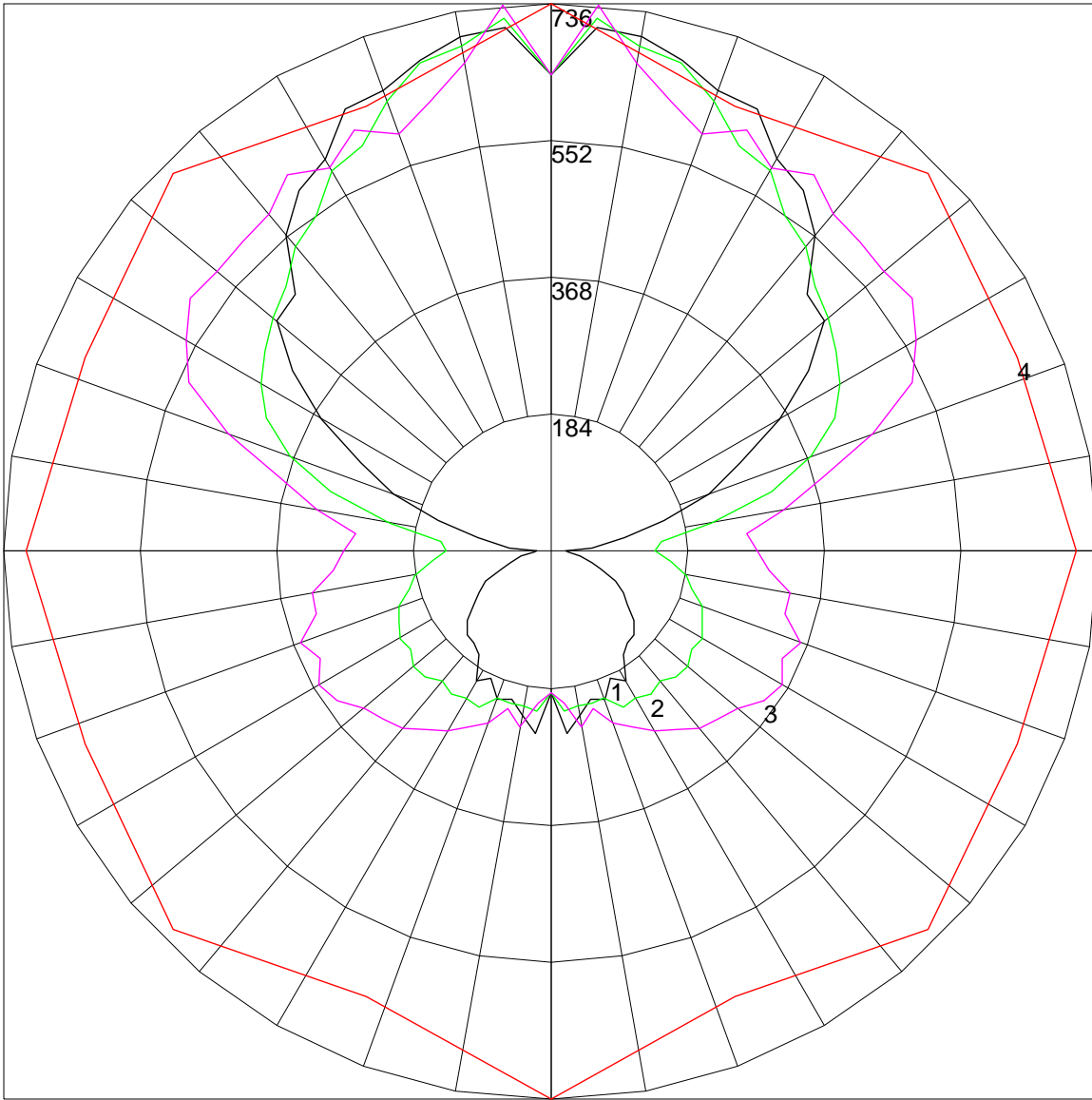
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	91	91	91	91	82	82	82	82	65	65	65	50	50	50	36	36	36	30
1	81	76	72	68	72	69	65	62	54	52	49	41	39	38	29	28	27	21
2	73	65	59	54	65	59	54	49	46	42	39	35	32	30	24	22	21	16
3	66	57	50	44	59	51	45	40	40	36	32	30	27	24	21	18	17	12
4	60	50	42	36	53	45	38	33	35	30	26	26	23	20	18	16	14	10
5	55	44	36	31	49	39	33	28	31	26	22	23	20	17	16	13	12	8
6	50	39	32	26	45	35	29	24	28	23	19	21	17	14	14	12	10	7
7	46	35	28	23	41	31	25	21	25	20	16	19	15	12	13	10	9	6
8	43	31	24	20	38	28	22	18	22	18	14	17	13	11	12	9	7	5
9	40	29	22	17	35	26	20	16	20	16	13	15	12	10	11	8	7	5
10	37	26	20	15	33	23	18	14	19	14	11	14	11	9	10	8	6	4

POLAR GRAPH



Maximum Candela = 736.38 Located At Horizontal Angle = 90, Vertical Angle = 175

- # 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 (175) (Through Max. Cd.)