IES INDOOR REPORT
PHOTOMETRIC FILENAME : QUERAILWITHBAFFLE.IES

DESCRIPTION INFORMATION (From Photometric File)

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

CHARACTERISTICS

Total Rated Lamp Lumens	4500
Total Luminaire Efficiency	71.8 %
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	59
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.12
Spacing Criteria (90-270)	1.36
Spacing Criteria (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.08 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9609	11265	14171
55	8541	10838	14034
65	7150	9434	13036
75	5547	6901	9523
85	5696	5839	3116

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	1191.34	1191.34	1191.34	1191.34	1191.34
5	1114.24	1145.92	1149.06	1171.02	1180.61
10	1166.02	1118.97	1139.36	1186.61	1197.88
15	1109.6	1067.33	1112.51	1146.68	1155.02
20	1027.12	1028.35	1100.67	1144.62	1162.67
25	963.89	987.39	1038.22	1078.42	1127.52
30	877.23	923.51	970.37	1032.35	1103.86
35	797.27	832.40	892.90	986.62	1042.63
40	745.83	752.69	828.91	897.23	1014.53
45	642.87	675.29	753.69	859.67	948.08
50	553.39	589.07	668.41	778.99	860.67
55	463.55	501.74	588.19	689.59	761.63
60	366.07	402.60	476.89	584.75	656.95
65	285.92	300.88	377.22	465.71	521.29
70	190.69	210.62	268.08	340.57	373.77
75	135.85	143.25	168.99	212.80	233.21
80	92.03	85.24	94.85	111.39	110.72
85	46.97	44.23	48.15	44.08	25.70
90	16.17	18.14	22.58	23.24	6.40

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	905.84	20.1	28.1
0-40	1475.33	32.8	45.7
0-60	2599.54	57.8	80.5
0-90	3228.84	71.8	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	3228.84	71.8	100

Total Luminaire Efficiency = 71.8%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.67
10-20	316.61
20-30	478.56
30-40	569.49
40-50	592.64
50-60	531.57
60-70	381.8
70-80	192.09
80-90	55.4
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

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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	85	85	85	85	83	83	83	83	80	80	80	76	76	76	73	73	73	72
1	78	75	72	69	76	73	70	68	70	68	66	67	66	64	65	63	62	60
2	71	65	61	56	69	64	60	56	61	58	55	59	56	53	57	54	52	51
3	65	57	52	47	63	56	51	47	54	50	46	52	48	45	50	47	44	43
4	60	51	45	40	58	50	44	40	48	43	39	47	42	39	45	41	38	36
5	55	46	39	34	53	45	39	34	43	38	34	42	37	33	40	36	33	32
6	51	41	35	30	49	40	34	30	39	34	30	38	33	29	37	32	29	28
7	47	37	31	27	46	37	31	26	35	30	26	34	30	26	33	29	26	24
8	44	34	28	24	42	33	28	24	32	27	23	32	27	23	31	26	23	22
9	41	31	25	21	40	31	25	21	30	25	21	29	24	21	28	24	21	20
10	38	29	23	19	37	28	23	19	28	23	19	27	22	19	26	22	19	18

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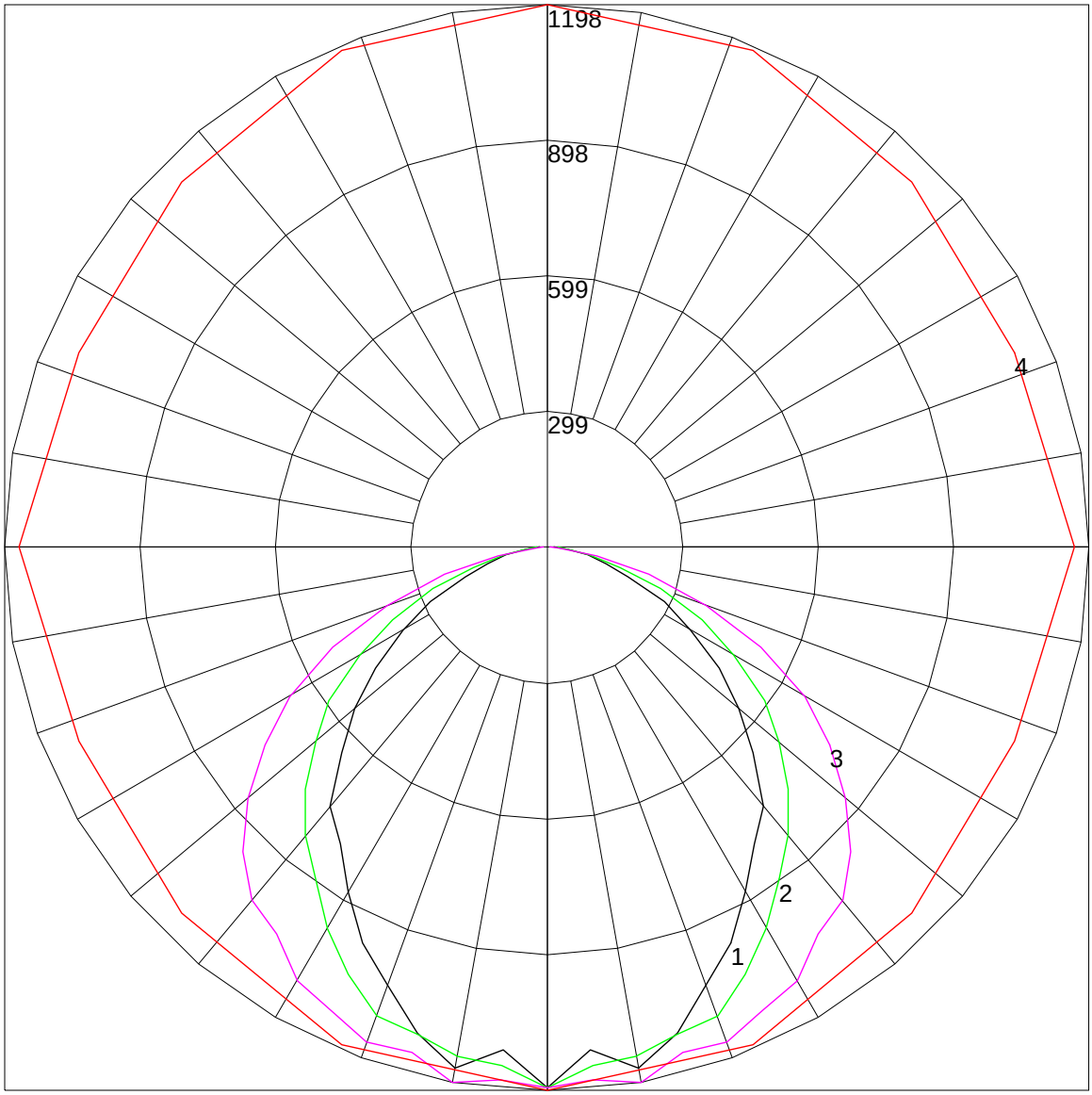
POLAR GRAPH



Maximum Candela = 1197.88 Located At Horizontal Angle = 90, Vertical Angle = 10
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 (10) (Through Max. Cd.)