

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BOXRAILED.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] Photopia 2.0.0.17 PHOTOMETRIC REPORT
[MANUFAC] VODE LIGHTING
[TESTLAB] VODE PHOTOMETRIC
[ISSUEDATE] 2009-12-07
[LUMINAIRE] BoxrailLED
[LAMP] LED

CHARACTERISTICS

Lumens Per Lamp	937 (1 lamp)
Total Lumens	937
Luminaire Lumens	937
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	39
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.38
Spacing Criteria (90-270)	1.28
Spacing Criteria (Diagonal)	1.32
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.03 m
Luminous Height	0.03 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12741	4897	696
55	12030	748	764
65	9727	763	715
75	6337	548	408
85	1440	228	173

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BOXRAILLED.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	438.61	438.61	438.61	438.61	438.61
5	447.60	446.65	456.18	455.98	454.99
10	454.94	455.01	453.57	460.56	454.89
15	453.42	449.89	455.01	458.61	461.73
20	436.93	441.78	446.06	449.93	449.63
25	427.53	428.27	434.29	439.19	437.89
30	405.51	413.21	419.02	422.93	425.38
35	385.24	388.98	400.45	369.38	293.13
40	359.57	367.41	358.61	118.06	40.46
45	326.47	336.30	211.36	32.62	34.87
50	295.04	301.67	78.93	35.55	38.30
55	252.52	227.48	30.90	37.28	37.68
60	205.61	139.01	30.36	36.11	38.06
65	152.93	75.08	29.14	32.68	33.66
70	108.29	35.88	24.87	25.80	25.84
75	63.21	16.81	18.60	18.60	17.69
80	23.28	10.57	11.67	11.92	11.33
85	5.65	5.94	6.52	6.51	6.64
90	1.63	1.85	1.74	1.40	1.48

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BOXRAILLED.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	371.33	39.6	39.6
0-40	594.02	63.4	63.4
0-60	845.48	90.2	90.2
0-90	937	100	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	937	100	100

Total Luminaire Efficiency = 100%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	43.15
10-20	128.27
20-30	199.91
30-40	222.68
40-50	151.44
50-60	100.02
60-70	58.18
70-80	25.97
80-90	7.37
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

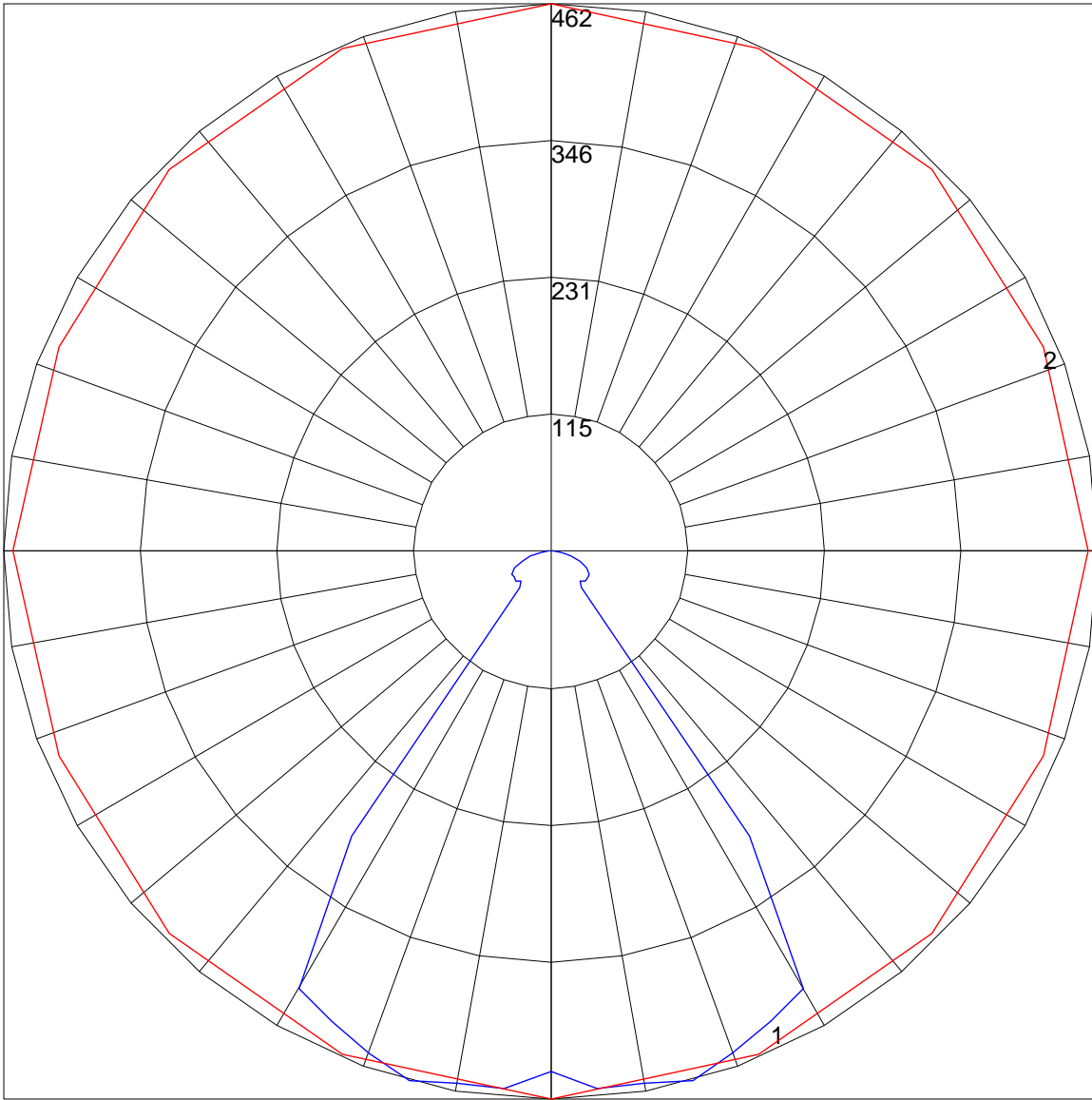
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BOXRAILLED.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	54	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	55	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36
10	59	47	40	35	58	46	39	35	45	39	34	44	39	34	44	38	34	33

POLAR GRAPH



Maximum Candela = 461.73 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.)