

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BOXRAILWITHSLOTS.IES

DESCRIPTION INFORMATION (From Photometric File)

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

CHARACTERISTICS

Total Rated Lamp Lumens	4500
Total Luminaire Efficiency	49.5 %
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	59
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	1.32
Spacing Criteria (90-270)	1.40
Spacing Criteria (Diagonal)	1.46
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.25 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	16012	8789	6569
55	15060	6211	4468
65	13878	3603	2420
75	10446	1404	704
85	3631	112	79

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BOXRAILWITHSLOTS.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	545.57	545.57	545.57	545.57	545.57
5	553.49	530.24	562.60	544.28	594.33
10	531.89	576.29	561.34	603.68	608.11
15	556.53	565.22	571.67	617.56	582.54
20	519.77	557.04	581.65	605.44	611.60
25	507.29	546.97	586.85	588.72	576.11
30	475.64	532.21	555.66	545.66	544.30
35	460.72	506.86	515.30	491.35	493.83
40	432.48	488.81	469.29	441.36	445.67
45	387.77	436.10	415.10	379.45	370.16
50	357.62	393.67	348.92	328.38	313.90
55	299.50	326.87	289.07	253.90	255.19
60	259.50	271.41	222.82	194.82	193.38
65	207.50	202.99	160.15	138.67	135.85
70	151.91	134.49	102.27	85.53	85.21
75	99.89	75.90	57.56	42.07	37.61
80	49.77	31.61	19.72	16.57	13.65
85	14.10	7.52	4.08	4.26	3.88
90	2.75	1.50	1.44	1.55	1.60
95	20.70	11.46	8.89	8.80	10.09
100	39.00	23.77	18.39	17.77	17.50
105	59.01	43.23	27.30	25.63	27.02
110	74.26	68.76	38.00	35.57	35.14
115	85.99	96.24	58.27	46.75	42.10
120	92.56	124.27	96.22	58.31	56.07
125	106.02	145.08	126.45	93.44	80.17
130	103.20	164.88	147.53	134.23	119.12
135	106.14	178.03	172.36	163.10	161.56
140	105.42	183.98	190.91	192.69	180.95
145	113.86	200.90	201.54	203.41	194.29
150	105.01	193.28	221.99	213.41	220.11
155	115.37	187.64	233.36	232.52	244.51
160	115.34	163.13	220.89	240.32	244.53
165	120.76	147.63	212.92	233.77	238.81
170	122.36	120.09	150.09	198.50	176.62
175	126.35	111.79	134.75	153.39	139.02
180	134.49	134.49	134.49	134.49	134.49

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BOXRAILWITHSLOTS.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	477.17	10.6	21.4
0-40	789.1	17.5	35.4
0-60	1359.11	30.2	61
0-90	1604.6	35.7	72.1
90-120	116.55	2.6	5.2
90-130	218.65	4.9	9.8
90-150	460.84	10.2	20.7
90-180	621.84	13.8	27.9
0-180	2226.44	49.5	100

Total Luminaire Efficiency = 49.5%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.57
10-20	164.21
20-30	259.38
30-40	311.92
40-50	311.99
50-60	258.02
60-70	167.11
70-80	67.77
80-90	10.61
90-100	12.52
100-110	37.18
110-120	66.85
120-130	102.1
130-140	123.75
140-150	118.45
150-160	94.34
160-170	53.17
170-180	13.49

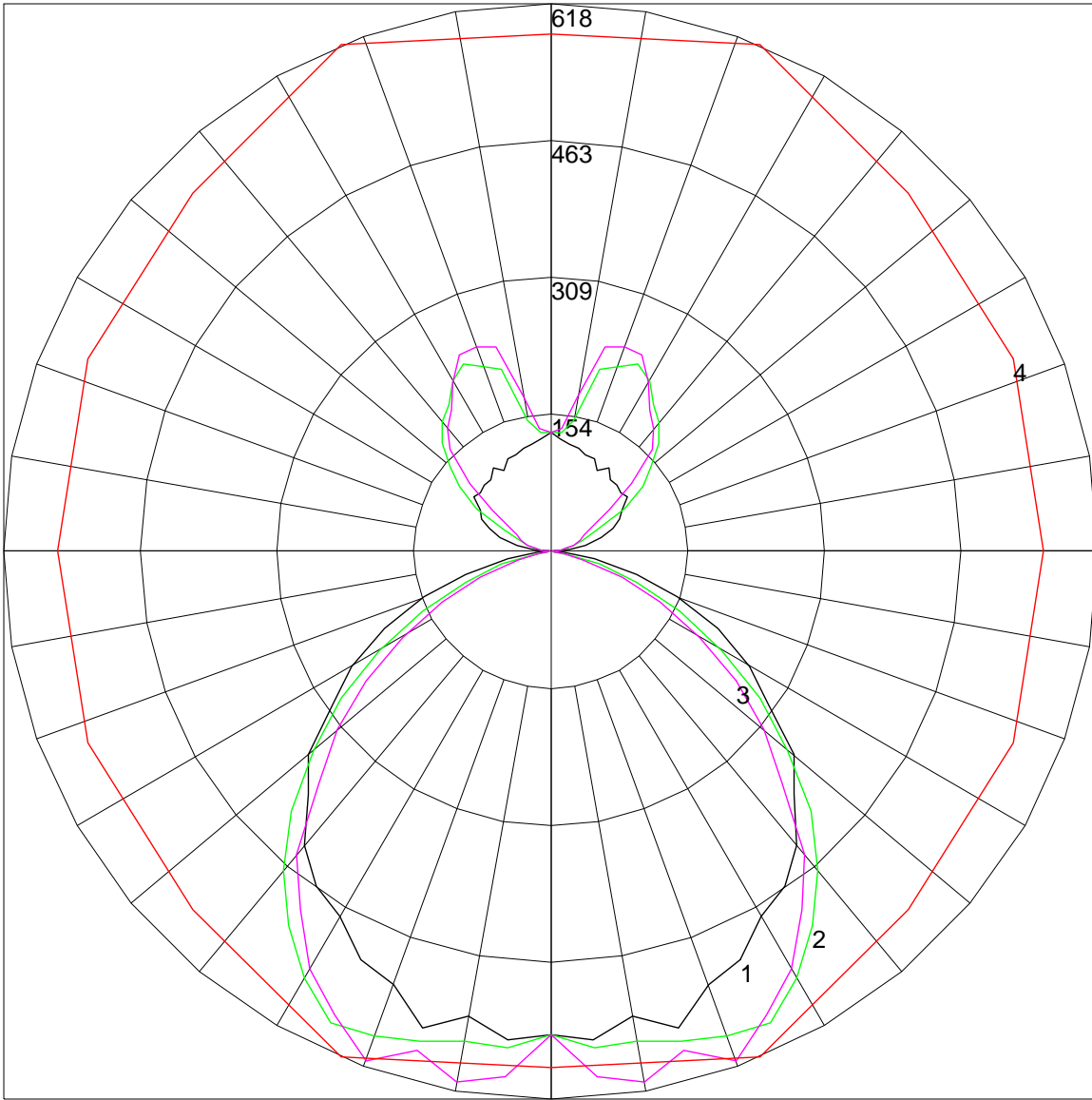
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BOXRAILWITHSLOTS.IES

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	
0	56	56	56	56	53	53	53	53	47	47	47	42	42	42	38	38	38	36
1	51	49	47	45	48	47	45	43	42	41	40	38	37	36	34	33	33	31
2	47	43	40	37	44	41	38	36	37	35	33	33	32	30	30	29	28	26
3	43	38	34	31	40	36	33	30	33	30	28	30	28	26	27	25	24	22
4	39	34	30	27	37	32	29	26	29	26	24	26	24	22	24	22	20	19
5	36	30	26	23	34	29	25	22	26	23	21	24	21	19	22	20	18	17
6	33	27	23	20	31	26	22	19	24	20	18	22	19	17	20	17	16	15
7	31	24	20	18	29	23	20	17	21	18	16	20	17	15	18	16	14	13
8	29	22	18	16	27	21	18	15	20	16	14	18	15	13	16	14	13	11
9	27	20	17	14	25	20	16	14	18	15	13	16	14	12	15	13	11	10
10	25	19	15	13	24	18	15	12	17	14	12	15	13	11	14	12	10	9

POLAR GRAPH



Maximum Candela = 617.56 Located At Horizontal Angle = 67.5, Vertical Angle = 15

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