

IES INDOOR REPORT
PHOTOMETRIC FILENAME : WINGRAILLED.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] WingRail
[LAMP] LED

CHARACTERISTICS

Lumens Per Lamp	1148 (1 lamp)
Total Lumens	1148
Luminaire Lumens	1148
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	48
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.42
Spacing Criteria (90-270)	1.36
Spacing Criteria (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.04 m
Luminous Width (90-270)	1.22 m
Luminous Height	0.05 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5379	6235	10946
55	2127	5110	10240
65	946	1798	8352
75	883	948	5431
85	737	795	1947

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	487.75	487.75	487.75	487.75	487.75	487.75	487.75	487.75	487.75
5	511.85	507.84	496.35	490.35	496.31	481.34	491.11	498.95	496.48
10	501.31	504.79	503.22	501.96	497.21	501.71	484.39	492.26	491.39
15	504.87	507.79	503.81	497.00	494.22	491.09	489.93	485.94	485.99
20	495.17	495.02	491.32	489.90	480.46	472.30	476.22	473.51	474.49
25	474.18	481.01	478.46	475.19	464.79	459.65	459.47	455.91	454.28
30	464.03	463.49	458.48	455.42	444.50	440.03	435.45	432.68	426.08
35	443.97	438.71	438.30	432.10	420.38	413.42	412.09	230.27	73.79
40	420.10	418.73	412.88	404.47	393.30	388.29	292.35	27.79	24.17
45	387.74	386.14	381.06	370.45	360.58	351.17	119.28	20.74	20.33
50	349.46	352.09	345.56	335.28	322.11	296.91	27.57	14.18	8.30
55	154.18	240.91	305.49	292.81	277.94	199.54	15.43	2.20	0.05
60	68.33	77.27	220.67	244.08	227.44	119.75	6.20	0.06	0.00
65	66.86	63.65	101.84	192.36	171.39	58.36	1.11	0.04	0.00
70	62.80	60.09	54.49	125.66	121.65	17.58	0.22	0.03	0.00
75	58.91	56.87	49.06	65.12	72.09	3.05	0.10	0.02	0.00
80	53.70	50.98	43.82	35.60	31.93	0.39	0.01	0.00	0.00
85	44.79	42.44	36.01	25.00	10.95	0.01	0.00	0.00	0.00
90	42.41	39.27	30.33	19.87	4.83	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	402.24	35	35
0-40	640.96	55.8	55.8
0-60	1010.57	88	88
0-90	1148.16	100	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	1148.16	100	100

Total Luminaire Efficiency = 100%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.3
10-20	139.58
20-30	215.36
30-40	238.72
40-50	212.72
50-60	156.9
60-70	79.86
70-80	38.01
80-90	19.72
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

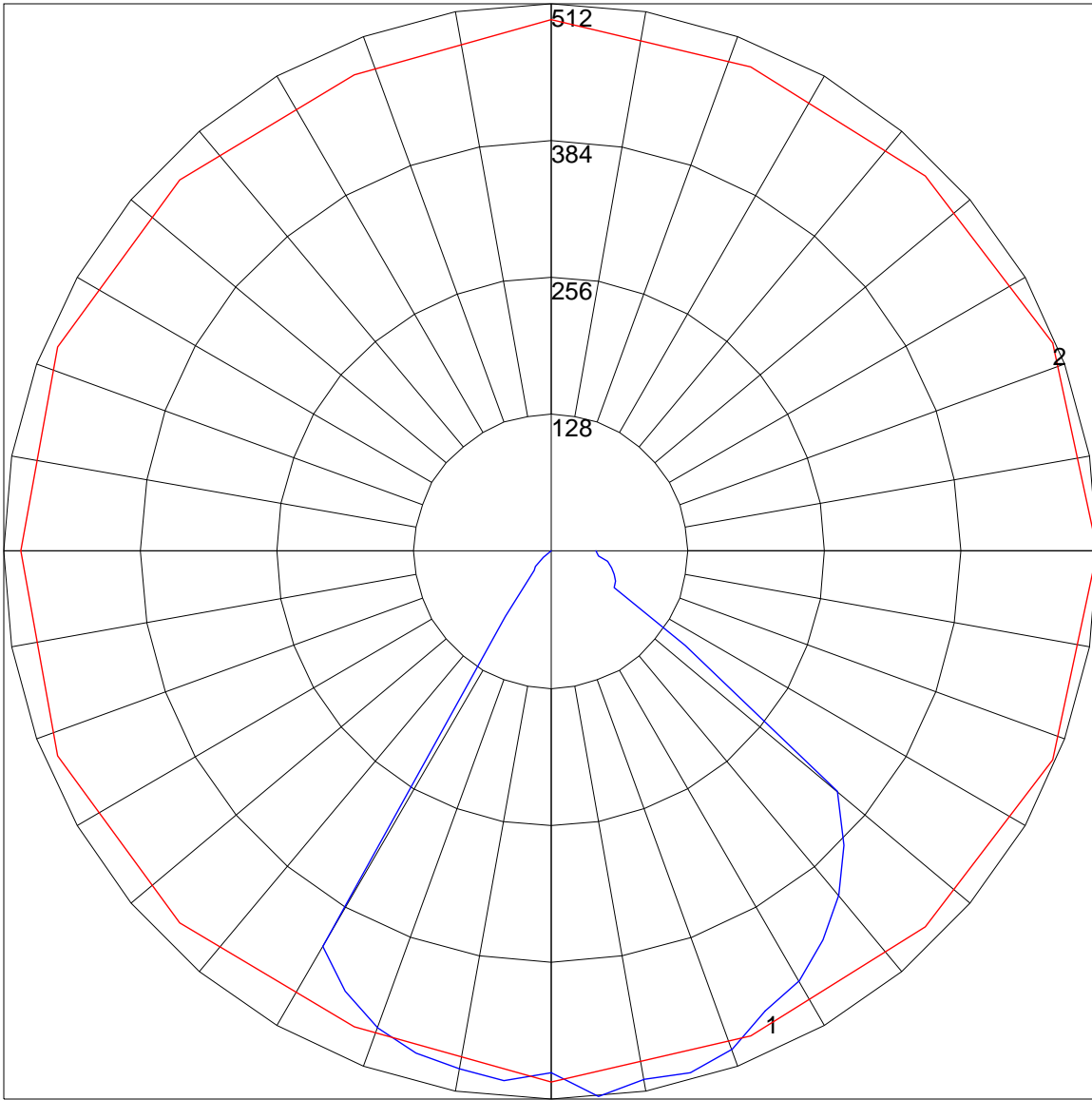
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	80	77	75
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	67	65
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57
5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	56	52	50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44
7	69	56	48	43	67	56	48	42	54	47	42	53	47	42	51	46	42	40
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	38	36
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	30

POLAR GRAPH



Maximum Candela = 511.85 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)