

IES INDOOR REPORT
PHOTOMETRIC FILENAME : WINGPERF.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] Photopia 2.0.0.17 PHOTOMETRIC REPORT
[MANUFAC] VODE LIGHTING
[LUMINAIRE] WingPerf
[LAMP] 1 54W T5 HO

CHARACTERISTICS

Total Rated Lamp Lumens	4500
Total Luminaire Efficiency	82.1 %
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	59
Ballast Factor	1.00
CIE Type	General Diffuse
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)	0.02 m
Luminous Width (90-270)	1.22 m
Luminous Height	0.06 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10508	10653	13384
55	10008	10359	12502
65	10120	9899	11132
75	9768	9406	11368
85	9524	8963	18525

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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	393.70	393.70	393.70	393.70	393.70	393.70	393.70	393.70	393.70
5	525.52	483.46	446.84	434.14	412.30	336.81	306.39	312.02	317.35
10	579.74	575.27	547.93	487.79	378.25	314.55	251.37	209.90	186.98
15	612.42	581.43	538.07	489.01	371.56	264.03	173.97	104.11	101.18
20	637.04	620.91	579.76	506.54	370.69	211.88	103.07	65.75	70.47
25	679.30	650.68	577.23	530.51	367.79	163.50	66.73	82.94	81.95
30	691.10	660.78	617.19	507.81	327.33	127.89	73.35	91.81	97.12
35	705.84	682.02	607.33	502.09	318.25	105.04	81.96	101.81	116.46
40	739.63	705.33	612.08	489.06	280.32	83.87	92.55	115.22	125.44
45	771.68	738.96	620.28	475.24	269.29	64.99	97.03	130.22	139.72
50	762.96	740.43	616.86	455.85	234.12	65.32	101.22	142.02	145.86
55	784.91	755.12	629.94	440.75	208.32	65.89	107.78	146.92	179.21
60	826.01	755.10	641.75	406.34	175.82	69.50	116.57	161.76	173.49
65	820.03	754.62	609.22	393.99	141.38	66.17	124.07	162.05	179.71
70	776.04	732.98	599.95	369.91	116.87	70.09	130.41	176.27	185.55
75	792.95	717.95	568.22	361.81	94.94	71.81	131.25	182.84	203.18
80	763.04	696.76	550.10	337.96	77.92	78.88	143.07	187.97	216.71
85	751.09	676.67	514.82	283.12	69.44	79.50	140.20	194.74	203.61
90	719.63	659.32	482.15	250.36	54.09	85.85	149.18	189.16	213.29
95	702.79	637.45	459.67	225.93	48.07	88.86	153.54	195.82	208.81
100	673.53	599.87	449.32	222.42	48.89	86.64	151.98	199.86	209.57
105	640.46	604.47	445.64	217.59	58.85	95.02	147.47	197.09	208.20
110	640.91	598.55	433.04	223.57	62.74	93.06	150.40	185.86	205.05
115	626.58	560.03	422.91	207.17	78.50	93.57	146.62	186.67	202.88
120	595.56	548.28	405.62	204.53	92.12	101.13	151.44	191.04	195.02
125	566.26	522.10	374.68	206.29	107.10	94.10	147.58	185.83	185.06
130	527.68	480.10	357.48	214.58	120.62	91.33	139.46	173.09	188.26
135	482.81	437.97	337.74	198.02	138.62	94.47	136.01	165.34	179.81
140	456.42	403.32	304.34	205.93	155.19	96.56	132.78	161.93	160.71
145	404.76	364.90	296.83	205.86	163.45	112.91	116.80	142.86	153.52
150	340.60	315.14	262.70	214.45	183.28	108.82	108.93	126.62	135.22
155	312.79	291.38	251.60	202.56	198.54	126.44	112.61	122.14	121.12
160	270.13	264.91	253.83	214.82	228.75	135.58	123.25	120.71	131.23
165	229.37	234.70	216.22	239.13	230.79	145.39	110.89	129.83	129.05
170	265.62	231.01	211.23	236.25	217.70	176.00	152.51	116.20	145.22
175	224.12	229.47	251.71	229.52	229.92	207.35	215.10	181.52	168.40
180	189.66	189.66	189.66	189.66	189.66	189.66	189.66	189.66	189.66

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	303.67	6.7	8.2
0-40	524.15	11.6	14.2
0-60	1115.34	24.8	30.2
0-90	2136.64	47.5	57.8
90-120	861.61	19.1	23.3
90-130	1087.46	24.2	29.4
90-150	1397.92	31.1	37.8
90-180	1560.08	34.7	42.2
0-180	3696.72	82.1	100

Total Luminaire Efficiency = 82.1%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	37.6
10-20	103.32
20-30	162.75
30-40	220.48
40-50	274.07
50-60	317.12
60-70	341.32
70-80	346.87
80-90	333.11
90-100	309.18
100-110	289.34
110-120	263.1
120-130	225.85
130-140	178.84
140-150	131.63
150-160	88.9
160-170	53.69
170-180	19.57

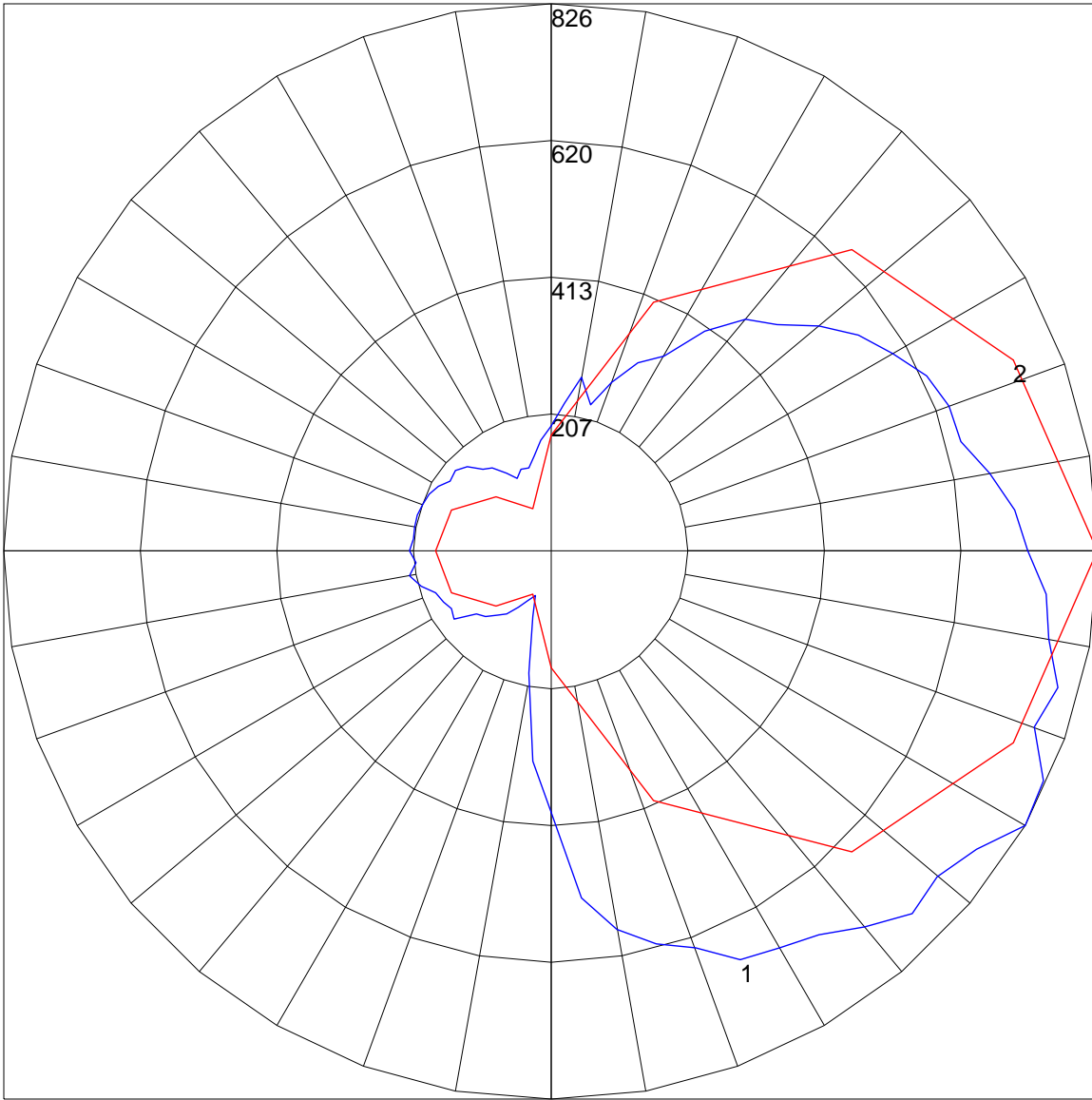
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
0	90	90	90	90	83	83	83	83	72	72	72	62	62	62	52	52	52	47
1	78	73	68	64	72	68	64	60	58	55	52	49	46	44	40	38	37	32
2	70	62	55	50	64	57	51	46	49	44	40	41	37	34	33	31	28	24
3	63	53	46	40	58	49	43	37	42	36	32	35	31	27	28	25	23	19
4	57	46	39	33	52	43	36	31	36	31	26	30	26	22	25	21	19	16
5	52	41	33	27	48	38	31	26	32	27	22	27	22	19	22	18	16	13
6	48	36	29	23	44	34	27	22	29	23	19	24	20	16	20	16	13	11
7	44	33	25	20	40	30	24	19	26	20	16	22	17	14	18	14	12	9
8	41	30	22	18	38	27	21	17	24	18	14	20	15	12	16	13	10	8
9	38	27	20	16	35	25	19	15	22	16	13	18	14	11	15	12	9	7
10	35	25	18	14	33	23	17	13	20	15	11	17	13	10	14	11	8	6

POLAR GRAPH



Maximum Candela = 826.01 Located At Horizontal Angle = 0, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)