



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WING11-LED35-SO-ABW.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]31627

[TESTLAB]LIGHTING SCIENCES, INC.

[ISSUE]DATE1

[MANUFAC]PRUDENTIAL LIGHTING - 1' X 1' LED TROFFER

[LUMCAT]WING11-LED35-SO-ABW

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1299
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.83 ft
Luminous Width (90-270)	0.83 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6167	7657	8070
55	5322	6490	6085
65	4340	4890	4464
75	3347	3445	3202
85	2080	2132	2029

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**CANDELA TABULATION**

	<b>0.0</b>	<b>22.5</b>	<b>45.0</b>	<b>67.5</b>	<b>90.0</b>
<b>0.0</b>	482.784	482.784	482.784	482.784	482.784
<b>2.5</b>	482.880	482.880	481.920	481.440	481.728
<b>5.0</b>	481.344	480.960	480.672	480.480	480.960
<b>7.5</b>	478.176	479.040	479.904	479.232	480.000
<b>10.0</b>	474.048	474.912	476.160	477.504	478.752
<b>12.5</b>	468.384	469.920	473.088	475.872	477.792
<b>15.0</b>	461.952	464.448	468.480	473.568	476.160
<b>17.5</b>	452.832	456.096	463.200	470.880	474.528
<b>20.0</b>	442.656	446.976	457.920	468.960	473.952
<b>22.5</b>	431.808	437.568	451.488	467.616	474.720
<b>25.0</b>	419.712	427.104	445.440	467.136	476.640
<b>27.5</b>	406.080	414.816	438.528	466.560	478.176
<b>30.0</b>	390.816	401.088	430.848	465.120	478.368
<b>32.5</b>	374.496	386.400	422.688	461.952	475.200
<b>35.0</b>	357.504	371.424	411.648	454.848	466.848
<b>37.5</b>	338.976	354.240	399.456	442.272	452.160
<b>40.0</b>	320.160	336.768	385.344	423.744	429.600
<b>42.5</b>	300.192	318.912	368.640	398.880	400.032
<b>45.0</b>	279.360	298.848	346.848	368.832	365.568
<b>47.5</b>	258.720	278.592	321.984	334.944	328.512
<b>50.0</b>	237.504	257.664	296.160	300.576	291.744
<b>52.5</b>	216.672	235.776	267.648	264.864	256.512
<b>55.0</b>	195.552	213.600	238.464	231.168	223.584
<b>57.5</b>	174.624	191.424	210.336	200.256	193.344
<b>60.0</b>	154.560	168.864	182.016	172.512	166.176
<b>62.5</b>	135.456	147.744	156.000	147.360	142.080
<b>65.0</b>	117.504	127.776	132.384	124.800	120.864
<b>67.5</b>	100.608	108.864	110.784	104.352	101.568
<b>70.0</b>	84.576	90.144	91.104	85.824	83.808
<b>72.5</b>	69.504	74.592	73.152	68.928	67.488
<b>75.0</b>	55.488	58.368	57.120	54.240	53.088
<b>77.5</b>	42.720	44.736	43.200	41.088	40.992
<b>80.0</b>	31.488	32.448	31.296	29.760	29.664
<b>82.5</b>	21.312	21.696	20.928	19.680	19.680
<b>85.0</b>	11.616	12.672	11.904	11.040	11.328
<b>87.5</b>	4.320	5.760	4.704	3.744	4.128
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	178.20	N.A.	13.70
0-30	384.47	N.A.	29.60
0-40	641.53	N.A.	49.40
0-60	1098.18	N.A.	84.60
0-80	1284.46	N.A.	98.90
0-90	1298.76	N.A.	100.00
10-90	1252.99	N.A.	96.50
20-40	463.34	N.A.	35.70
20-50	719.89	N.A.	55.40
40-70	582.47	N.A.	44.80
60-80	186.28	N.A.	14.30
70-80	60.46	N.A.	4.70
80-90	14.30	N.A.	1.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1298.76	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	45.77
10-20	132.43
20-30	206.27
30-40	257.07
40-50	256.55
50-60	200.09
60-70	125.82
70-80	60.46
80-90	14.30
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

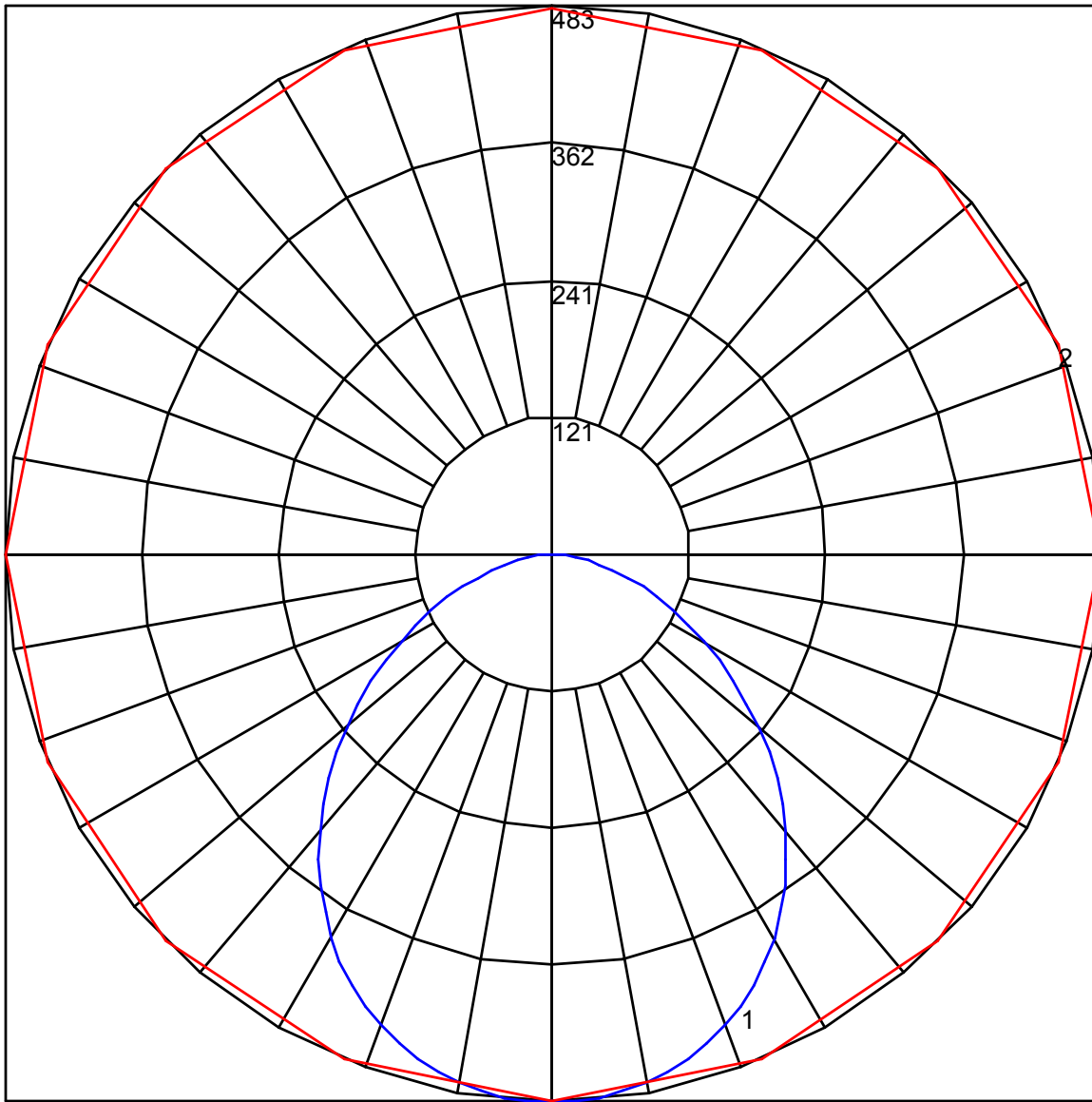
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	44	39	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 482.88 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)