



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WING11-LED35-MO-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-MO-ABW

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	902
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	14
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	4282	5317	5604
55	3695	4506	4225
65	3014	3395	3100
75	2324	2392	2223
85	1445	1480	1409

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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>	335.233	335.233	335.233	335.233	335.233
<b>2.5</b>	335.300	335.300	334.633	334.300	334.500
<b>5.0</b>	334.233	333.967	333.767	333.633	333.967
<b>7.5</b>	332.033	332.633	333.233	332.767	333.300
<b>10.0</b>	329.167	329.767	330.634	331.567	332.433
<b>12.5</b>	325.234	326.301	328.500	330.434	331.767
<b>15.0</b>	320.768	322.501	325.301	328.834	330.634
<b>17.5</b>	314.435	316.702	321.634	326.967	329.500
<b>20.0</b>	307.369	310.369	317.968	325.634	329.100
<b>22.5</b>	299.837	303.836	313.502	324.701	329.634
<b>25.0</b>	291.438	296.570	309.302	324.368	330.967
<b>27.5</b>	281.972	288.038	304.503	323.968	332.033
<b>30.0</b>	271.373	278.505	299.170	322.968	332.167
<b>32.5</b>	260.041	268.306	293.504	320.768	329.967
<b>35.0</b>	248.242	257.908	285.838	315.835	324.168
<b>37.5</b>	235.376	245.975	277.372	307.103	313.969
<b>40.0</b>	222.311	233.843	267.573	294.237	298.303
<b>42.5</b>	208.446	221.445	255.974	276.972	277.772
<b>45.0</b>	193.981	207.513	240.843	256.108	253.841
<b>47.5</b>	179.649	193.447	223.578	232.577	228.111
<b>50.0</b>	164.917	178.915	205.646	208.712	202.580
<b>52.5</b>	150.452	163.717	185.848	183.915	178.116
<b>55.0</b>	135.786	148.318	165.583	160.517	155.251
<b>57.5</b>	121.255	132.920	146.052	139.053	134.253
<b>60.0</b>	107.323	117.255	126.387	119.788	115.388
<b>62.5</b>	94.057	102.590	108.322	102.323	98.657
<b>65.0</b>	81.592	88.724	91.924	86.658	83.925
<b>67.5</b>	69.860	75.592	76.926	72.459	70.526
<b>70.0</b>	58.727	62.594	63.260	59.594	58.194
<b>72.5</b>	48.262	51.795	50.795	47.862	46.862
<b>75.0</b>	38.529	40.529	39.663	37.663	36.863
<b>77.5</b>	29.664	31.064	29.997	28.530	28.464
<b>80.0</b>	21.864	22.531	21.731	20.665	20.598
<b>82.5</b>	14.799	15.065	14.532	13.665	13.665
<b>85.0</b>	8.066	8.799	8.266	7.666	7.866
<b>87.5</b>	3.000	4.000	3.266	2.600	2.866
<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	123.74	N.A.	13.70
0-30	266.97	N.A.	29.60
0-40	445.47	N.A.	49.40
0-60	762.55	N.A.	84.60
0-80	891.90	N.A.	98.90
0-90	901.83	N.A.	100.00
10-90	870.05	N.A.	96.50
20-40	321.73	N.A.	35.70
20-50	499.87	N.A.	55.40
40-70	404.45	N.A.	44.80
60-80	129.35	N.A.	14.30
70-80	41.98	N.A.	4.70
80-90	9.93	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	901.83	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	31.78
10-20	91.96
20-30	143.23
30-40	178.50
40-50	178.14
50-60	138.94
60-70	87.37
70-80	41.98
80-90	9.93
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

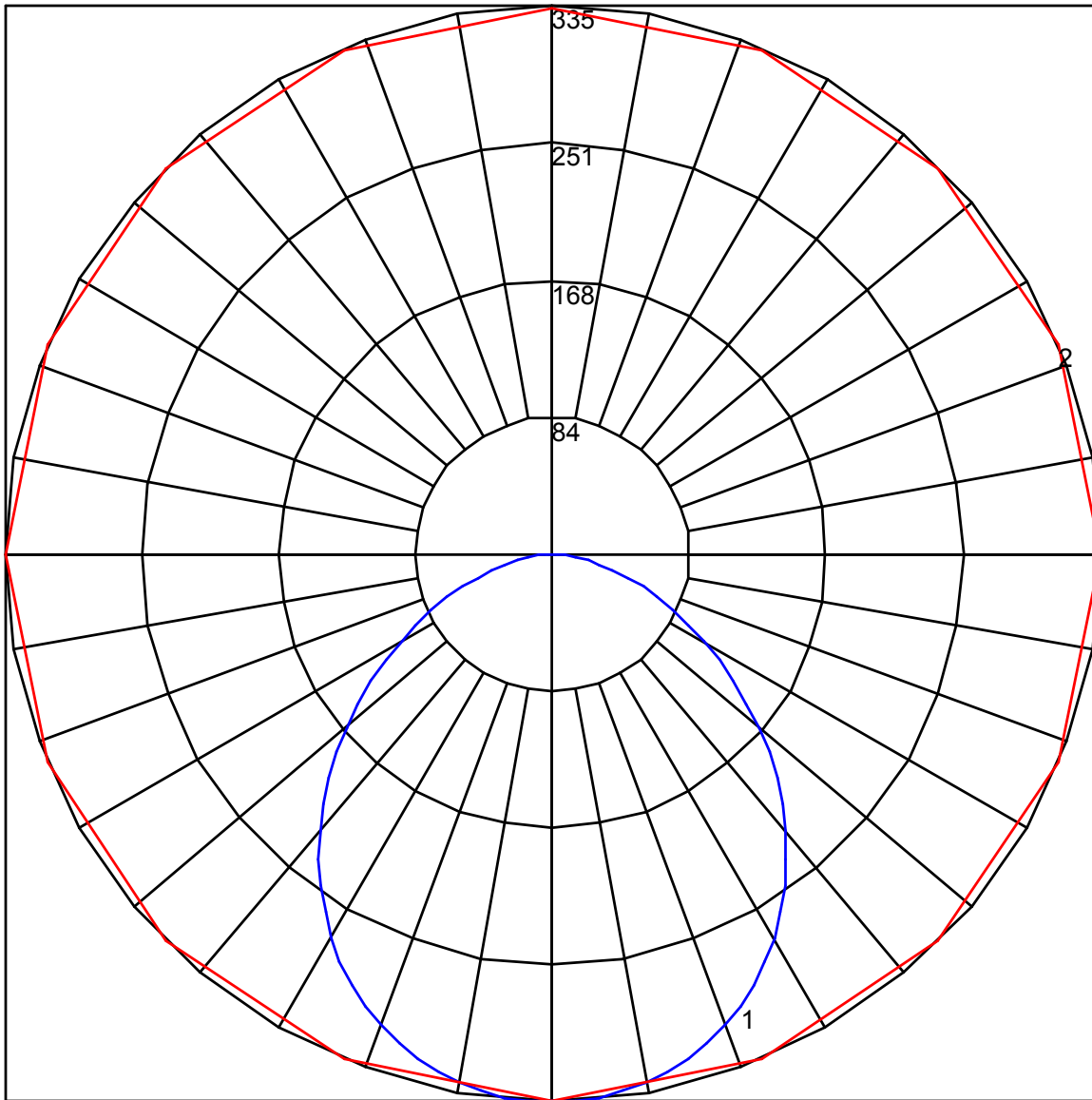
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 335.3 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.)