



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WING24-LED35-MO-ABW.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] L121400201  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUE DATE] 12/3/2014  
 [MANUFAC] PRUDENTIAL LIGHTING  
 [LUMCAT] Wing24-LED35-MO-ABW  
 [LUMINAIRE] 48"L. X 24"W. X 5"H. LED LUMINAIRE  
 [MORE] DIFFUSED LENS  
 [BALLASTCAT] OSRAM OPTOTRONIC  
 [BALLAST] INPUT: 120-277VAC  
 [LAMPPOSITION] 0,0  
 [LAMPCAT] N/A  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [ INPUT] 120VAC  
 [ TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	52
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.81 ft
Luminous Width (90-270)	1.79 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2285	2991	2819
55	2068	2308	1960
65	1842	1727	1448
75	1435	1324	1194
85	1011	1068	943

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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</b>	1761.540	1761.540	1761.540	1761.540	1761.540
<b>5</b>	1742.072	1746.468	1752.748	1755.888	1756.516
<b>10</b>	1710.672	1715.068	1726.372	1736.420	1738.932
<b>15</b>	1657.920	1666.712	1690.576	1713.812	1725.116
<b>20</b>	1588.212	1602.028	1649.128	1708.788	1735.792
<b>25</b>	1500.292	1526.668	1617.728	1738.304	1791.684
<b>30</b>	1397.300	1442.516	1604.540	1783.520	1837.528
<b>35</b>	1279.864	1357.108	1594.492	1734.536	1756.516
<b>40</b>	1157.404	1271.072	1518.504	1560.580	1551.160
<b>45</b>	1024.896	1174.988	1341.408	1296.192	1264.164
<b>50</b>	892.388	1046.876	1093.348	1002.916	964.608
<b>55</b>	752.344	877.944	839.636	747.320	712.780
<b>60</b>	628.628	704.616	640.560	563.316	535.056
<b>65</b>	493.608	524.380	462.836	406.944	388.104
<b>70</b>	357.960	368.636	323.420	290.764	280.088
<b>75</b>	235.500	241.152	217.288	200.960	195.936
<b>80</b>	132.508	138.788	132.508	124.344	121.832
<b>85</b>	55.892	61.544	59.032	53.380	52.124
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	644.79	N.A.	13.40
0-30	1400.16	N.A.	29.20
0-40	2362.66	N.A.	49.20
0-60	4036.1	N.A.	84.10
0-80	4733.31	N.A.	98.60
0-90	4799.91	N.A.	100.00
10-90	4633.55	N.A.	96.50
20-40	1717.87	N.A.	35.80
20-50	2667.49	N.A.	55.60
40-70	2134.88	N.A.	44.50
60-80	697.21	N.A.	14.50
70-80	235.77	N.A.	4.90
80-90	66.61	N.A.	1.40
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	4799.91	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	166.37
10-20	478.42
20-30	755.37
30-40	962.51
40-50	949.62
50-60	723.82
60-70	461.44
70-80	235.77
80-90	66.61
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

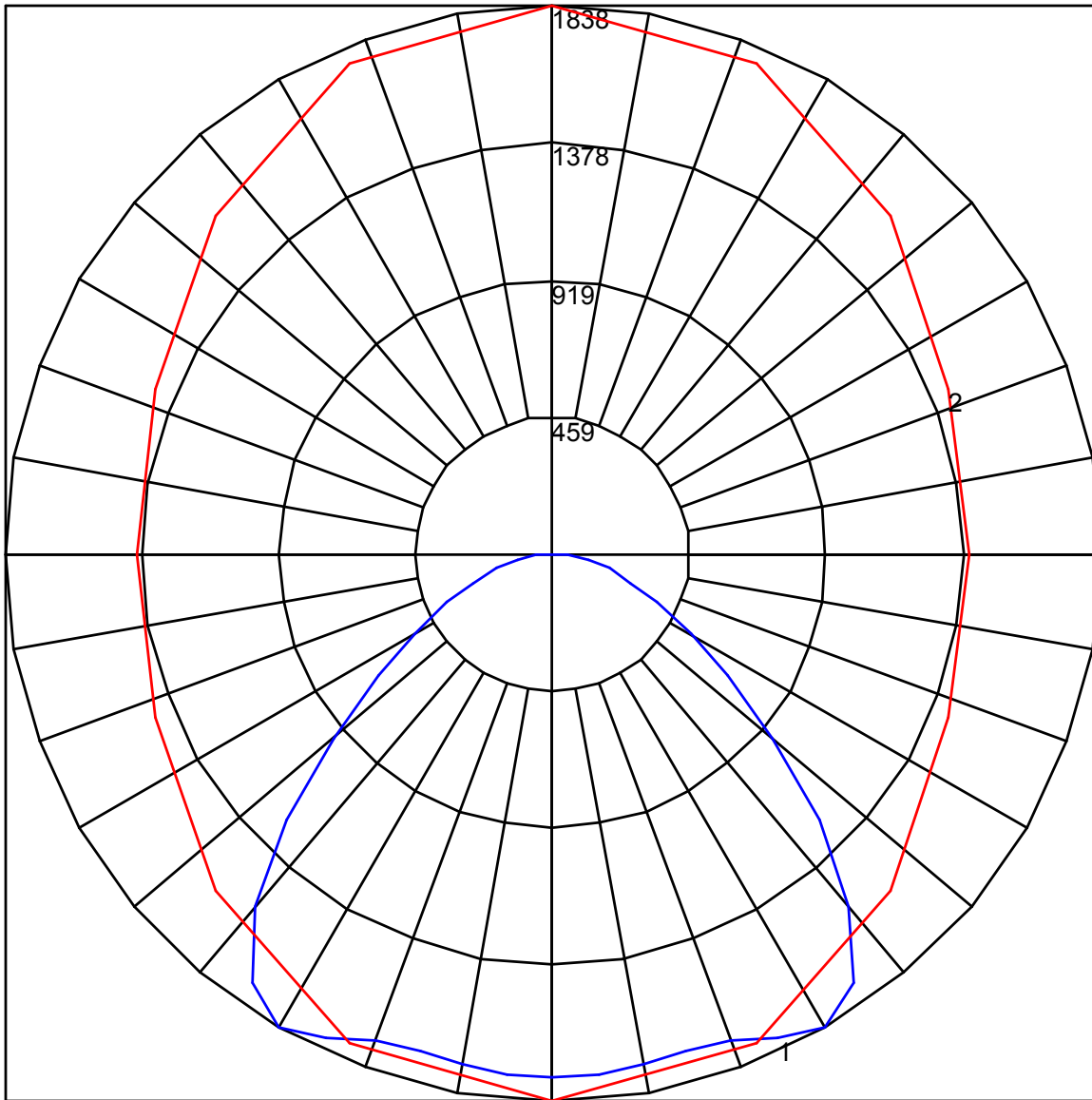
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 1837.528 Located At Horizontal Angle = 90, Vertical Angle = 30  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)