



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L121400201
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 12/3/2014
 [MANUFACT] PRUDENTIAL LIGHTING
 [LUMCAT] Wing24-LED35-SO-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	6795
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	77
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	3235	4235	3991
55	2928	3268	2774
65	2607	2445	2050
75	2031	1874	1690
85	1431	1512	1335

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	2493.645	2493.645	2493.645	2493.645	2493.645
5	2466.086	2472.309	2481.199	2485.644	2486.533
10	2421.636	2427.859	2443.861	2458.085	2461.641
15	2346.960	2359.406	2393.188	2426.081	2442.083
20	2248.281	2267.839	2334.514	2418.969	2457.196
25	2123.821	2161.159	2290.064	2460.752	2536.317
30	1978.025	2042.033	2271.395	2524.760	2601.214
35	1811.782	1921.129	2257.171	2455.418	2486.533
40	1638.427	1799.336	2149.602	2209.165	2195.830
45	1450.848	1663.319	1898.904	1834.896	1789.557
50	1263.269	1481.963	1547.749	1419.733	1365.504
55	1065.022	1242.822	1188.593	1057.910	1009.015
60	889.889	997.458	906.780	797.433	757.428
65	698.754	742.315	655.193	576.072	549.402
70	506.730	521.843	457.835	411.607	396.494
75	333.375	341.376	307.594	284.480	277.368
80	187.579	196.469	187.579	176.022	172.466
85	79.121	87.122	83.566	75.565	73.787
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	912.77	N.A.	13.40
0-30	1982.07	N.A.	29.20
0-40	3344.6	N.A.	49.20
0-60	5713.52	N.A.	84.10
0-80	6700.49	N.A.	98.60
0-90	6794.78	N.A.	100.00
10-90	6559.27	N.A.	96.50
20-40	2431.83	N.A.	35.80
20-50	3776.11	N.A.	55.60
40-70	3022.14	N.A.	44.50
60-80	986.98	N.A.	14.50
70-80	333.75	N.A.	4.90
80-90	94.29	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	6794.78	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	235.51
10-20	677.26
20-30	1069.3
30-40	1362.53
40-50	1344.28
50-60	1024.64
60-70	653.22
70-80	333.75
80-90	94.29
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

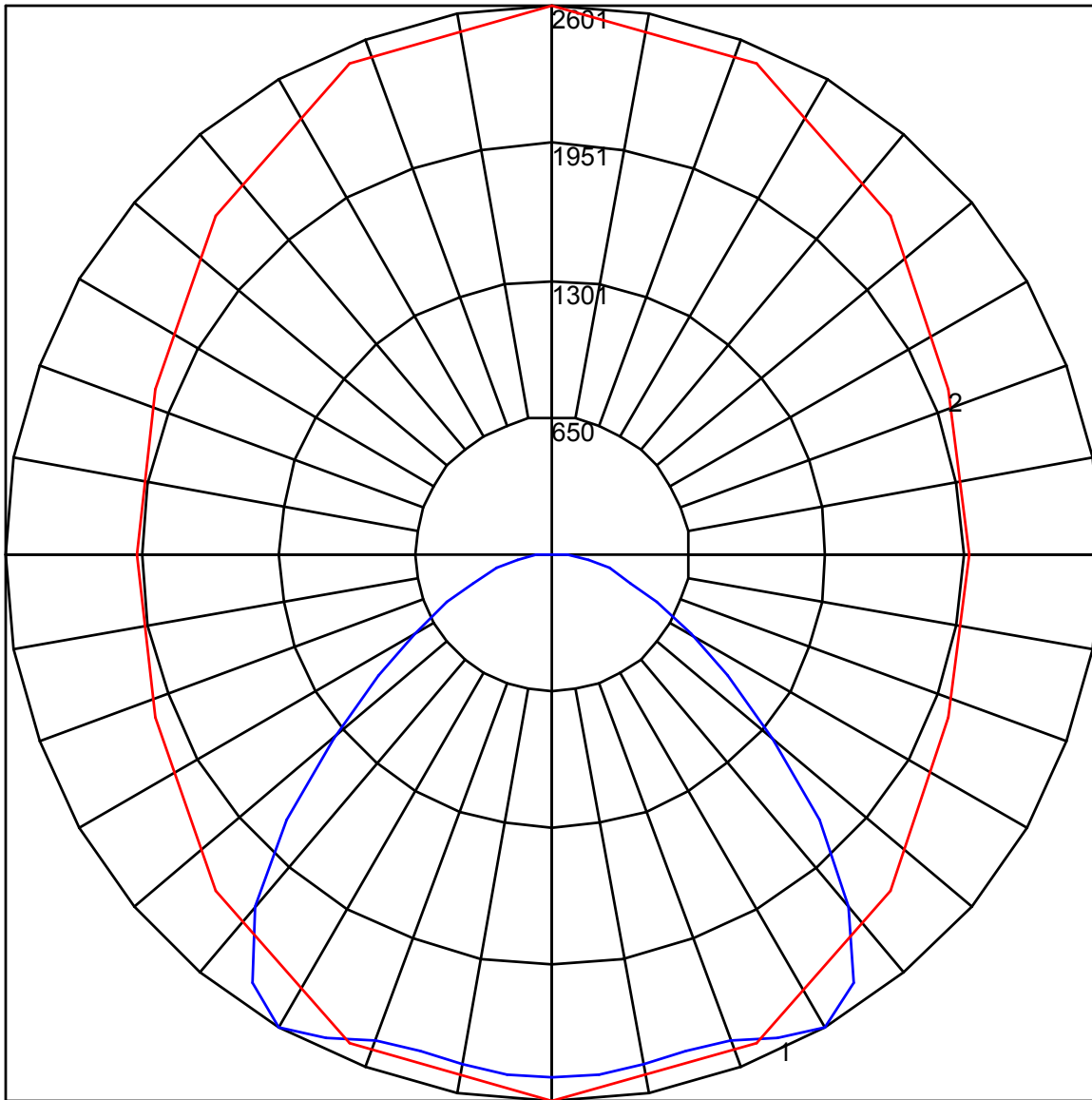
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2601.214 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.)