



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WING14-LED35-SO-ABW.IES REPORT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L121400202
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 12/3/2014
 [MANUFAC] PRUDENTIAL LIGHTING
 [LUMCAT] Wing14-LED35-MO-ABW
 [LUMINAIRE] 48"L. X 12"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	4392
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	52
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.81 ft
Luminous Width (90-270)	0.79 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	4923	5997	5127
55	4340	4676	3668
65	3709	3577	2863
75	2925	2629	2216
85	2212	1705	1466

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	1657.50	1657.50	1657.50	1657.50	1657.50
5	1642.55	1645.15	1651.00	1654.90	1655.55
10	1612.00	1620.45	1637.35	1653.60	1659.45
15	1566.50	1578.20	1620.45	1670.50	1690.65
20	1503.45	1526.20	1610.05	1708.85	1749.80
25	1425.45	1463.80	1601.60	1741.35	1786.85
30	1331.20	1388.40	1580.15	1710.15	1733.55
35	1224.60	1302.60	1513.20	1572.35	1554.80
40	1103.70	1203.15	1381.90	1342.25	1292.85
45	974.35	1080.30	1186.90	1075.75	1014.65
50	833.30	933.40	960.70	828.10	772.85
55	696.80	774.15	750.75	631.15	588.90
60	570.05	629.20	580.45	485.55	455.00
65	438.75	475.80	423.15	358.15	338.65
70	317.85	337.35	294.45	253.50	241.15
75	211.90	219.70	190.45	166.40	160.55
80	122.20	124.15	108.55	98.15	96.20
85	53.95	50.05	41.60	37.05	35.75
90	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	617.79	N.A.	14.10
0-30	1355.02	N.A.	30.90
0-40	2251.17	N.A.	51.30
0-60	3719.5	N.A.	84.70
0-80	4338.03	N.A.	98.80
0-90	4391.59	N.A.	100.00
10-90	4234.47	N.A.	96.40
20-40	1633.39	N.A.	37.20
20-50	2468.62	N.A.	56.20
40-70	1880.44	N.A.	42.80
60-80	618.54	N.A.	14.10
70-80	206.42	N.A.	4.70
80-90	53.56	N.A.	1.20
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	4391.59	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	157.12
10-20	460.67
20-30	737.23
30-40	896.15
40-50	835.23
50-60	633.09
60-70	412.12
70-80	206.42
80-90	53.56
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

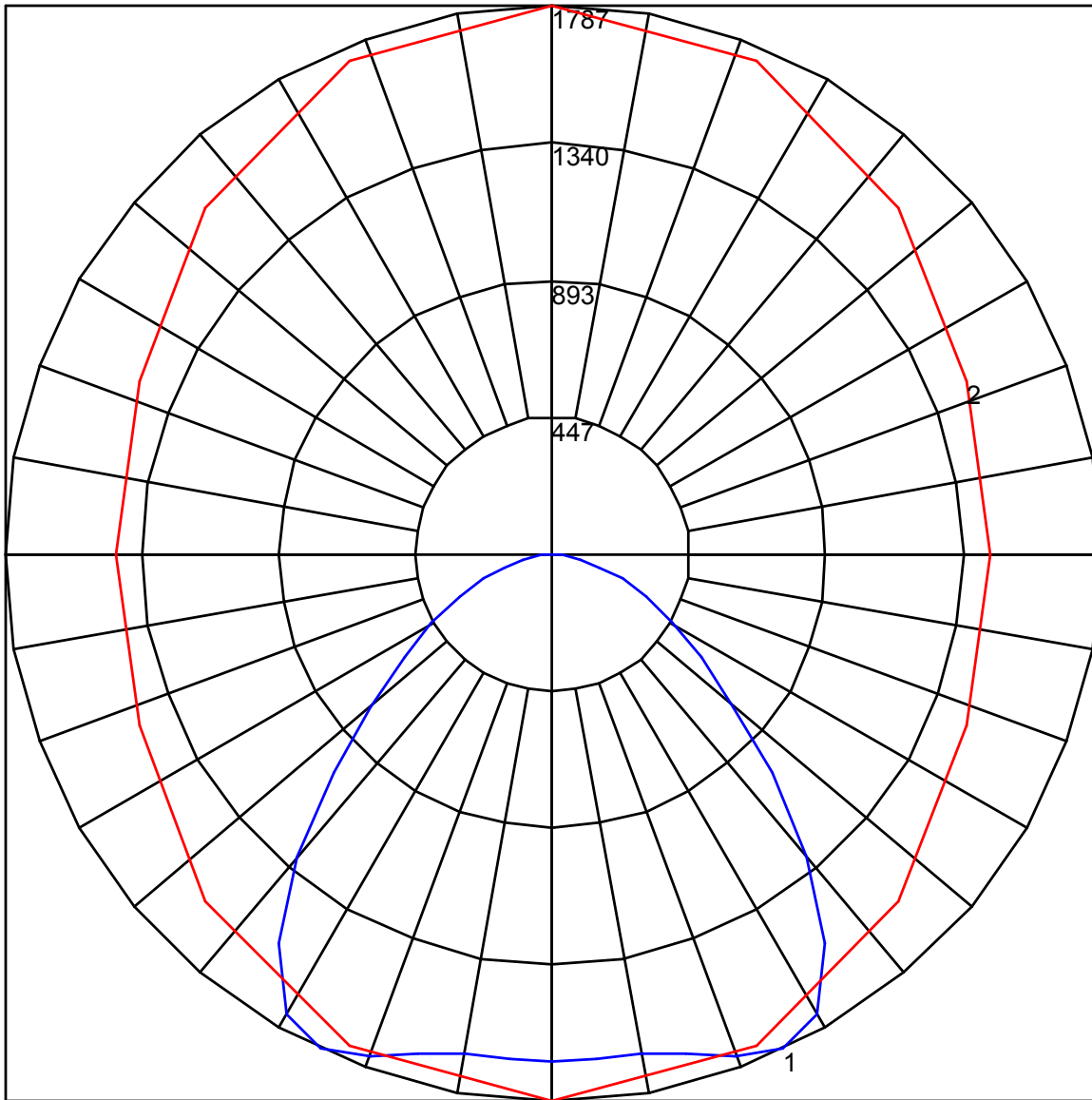
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	96	99	96	93	95	93	90	91	90	88	86
2	101	93	87	81	98	91	85	80	88	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	59	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 1786.85 Located At Horizontal Angle = 90, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)