



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WING14-LED35-LO-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-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	3095
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	33
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	1474	1929	1818
55	1334	1489	1264
65	1188	1114	934
75	925	854	770
85	652	689	608

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	1136.025	1136.025	1136.025	1136.025	1136.025
5	1123.470	1126.305	1130.355	1132.380	1132.785
10	1103.220	1106.055	1113.345	1119.825	1121.445
15	1069.200	1074.870	1090.260	1105.245	1112.535
20	1024.245	1033.155	1063.530	1102.005	1119.420
25	967.545	984.555	1043.280	1121.040	1155.465
30	901.125	930.285	1034.775	1150.200	1185.030
35	825.390	875.205	1028.295	1118.610	1132.785
40	746.415	819.720	979.290	1006.425	1000.350
45	660.960	757.755	865.080	835.920	815.265
50	575.505	675.135	705.105	646.785	622.080
55	485.190	566.190	541.485	481.950	459.675
60	405.405	454.410	413.100	363.285	345.060
65	318.330	338.175	298.485	262.440	250.290
70	230.850	237.735	208.575	187.515	180.630
75	151.875	155.520	140.130	129.600	126.360
80	85.455	89.505	85.455	80.190	78.570
85	36.045	39.690	38.070	34.425	33.615
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	415.83	N.A.	13.40
0-30	902.97	N.A.	29.20
0-40	1523.69	N.A.	49.20
0-60	2602.9	N.A.	84.10
0-80	3052.53	N.A.	98.60
0-90	3095.49	N.A.	100.00
10-90	2988.19	N.A.	96.50
20-40	1107.86	N.A.	35.80
20-50	1720.28	N.A.	55.60
40-70	1376.79	N.A.	44.50
60-80	449.63	N.A.	14.50
70-80	152.05	N.A.	4.90
80-90	42.95	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	3095.49	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	107.29
10-20	308.54
20-30	487.14
30-40	620.73
40-50	612.41
50-60	466.79
60-70	297.59
70-80	152.05
80-90	42.95
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

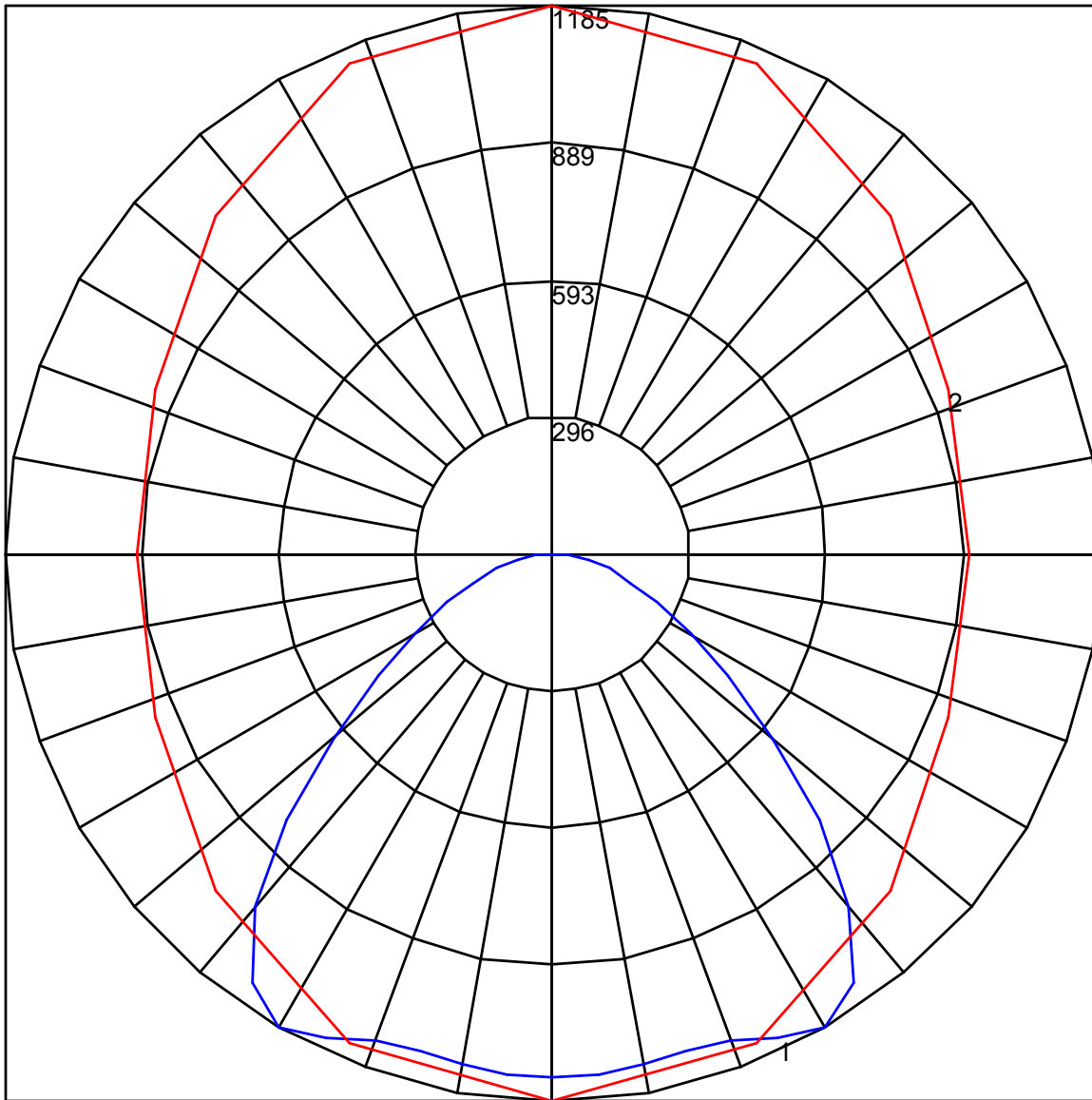
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1185.03 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.)