



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WING11-LED35-HO-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-HO-ABW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1448
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	24
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	6874	8534	8995
55	5932	7234	6782
65	4838	5450	4976
75	3730	3840	3569
85	2319	2376	2261

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	538.103	538.103	538.103	538.103	538.103
2.5	538.210	538.210	537.140	536.605	536.926
5.0	536.498	536.070	535.749	535.535	536.070
7.5	532.967	533.930	534.893	534.144	535.000
10.0	528.366	529.329	530.720	532.218	533.609
12.5	522.053	523.765	527.296	530.399	532.539
15.0	514.884	517.666	522.160	527.831	530.720
17.5	504.719	508.357	516.275	524.835	528.901
20.0	493.377	498.192	510.390	522.695	528.259
22.5	481.286	487.706	503.221	521.197	529.115
25.0	467.804	476.043	496.480	520.662	531.255
27.5	452.610	462.347	488.776	520.020	532.967
30.0	435.597	447.046	480.216	518.415	533.181
32.5	417.407	430.675	471.121	514.884	529.650
35.0	398.468	413.983	458.816	506.966	520.341
37.5	377.817	394.830	445.227	492.949	503.970
40.0	356.845	375.356	429.498	472.298	478.825
42.5	334.589	355.454	410.880	444.585	445.869
45.0	311.370	333.091	386.591	411.094	407.456
47.5	288.365	310.514	358.878	373.323	366.154
50.0	264.718	287.188	330.095	335.017	325.173
52.5	241.499	262.792	298.316	295.213	285.904
55.0	217.959	238.075	265.788	257.656	249.203
57.5	194.633	213.358	234.437	223.202	215.498
60.0	172.270	188.213	202.872	192.279	185.217
62.5	150.977	164.673	173.875	164.245	158.360
65.0	130.968	142.417	147.553	139.100	134.713
67.5	112.136	121.338	123.478	116.309	113.206
70.0	94.267	100.473	101.543	95.658	93.411
72.5	77.468	83.139	81.534	76.826	75.221
75.0	61.846	65.056	63.665	60.455	59.171
77.5	47.615	49.862	48.150	45.796	45.689
80.0	35.096	36.166	34.882	33.170	33.063
82.5	23.754	24.182	23.326	21.935	21.935
85.0	12.947	14.124	13.268	12.305	12.626
87.5	4.815	6.420	5.243	4.173	4.601
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	198.62	N.A.	13.70
0-30	428.52	N.A.	29.60
0-40	715.04	N.A.	49.40
0-60	1224.01	N.A.	84.60
0-80	1431.64	N.A.	98.90
0-90	1447.58	N.A.	100.00
10-90	1396.56	N.A.	96.50
20-40	516.43	N.A.	35.70
20-50	802.37	N.A.	55.40
40-70	649.21	N.A.	44.80
60-80	207.63	N.A.	14.30
70-80	67.39	N.A.	4.70
80-90	15.94	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	1447.58	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.01
10-20	147.60
20-30	229.90
30-40	286.52
40-50	285.95
50-60	223.02
60-70	140.24
70-80	67.39
80-90	15.94
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

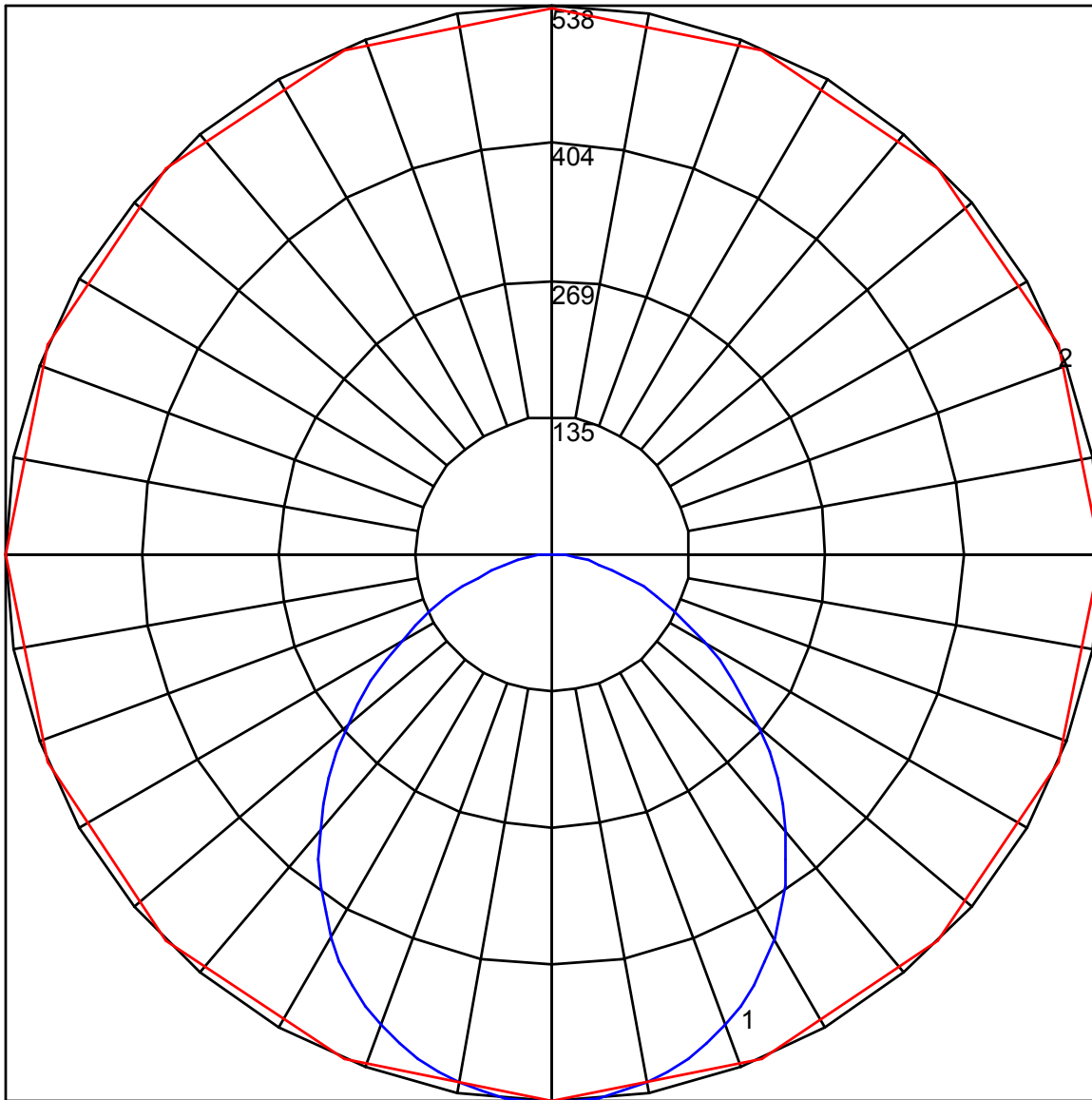
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 538.21 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.)