



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P9012-LED35SO-FWA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] L041411804  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUE DATE] 5/14/2014  
 [MANUFACT] PRUDENTIAL LIGHTING  
 [LUMCAT] P9012-LED35LO-FWA-TMW-SC-UNV  
 [LUMINAIRE] 13"SQ. X 7-5/8"H. LED LUMINAIRE  
 [MORE] DIFFUSED LENS  
 [BALLASTCAT] OSRAM OPTOTRONIC W/PRG1400C/UNV/DIM/L  
 [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, 25W  
 [ TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1213
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	27
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.93 ft (Diameter)
Luminous Width (90-270)	0.93 ft (Diameter)
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	6207	6207	6207
55	5921	5921	5921
65	5651	5651	5651
75	5110	5110	5110
85	4754	4754	4754

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CANDELA TABULATION

	0
0	432.687
5	429.888
10	422.902
15	411.901
20	397.020
25	378.550
30	357.185
35	333.021
40	306.368
45	277.264
50	246.461
55	214.539
60	184.836
65	150.849
70	116.746
75	83.550
80	52.978
85	26.171
90	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	157.01	N.A.	12.90
0-30	331.46	N.A.	27.30
0-40	539.77	N.A.	44.50
0-60	946.21	N.A.	78.00
0-80	1184.46	N.A.	97.60
0-90	1213.13	N.A.	100.00
10-90	1172.31	N.A.	96.60
20-40	382.77	N.A.	31.60
20-50	596.66	N.A.	49.20
40-70	555.80	N.A.	45.80
60-80	238.25	N.A.	19.60
70-80	88.89	N.A.	7.30
80-90	28.67	N.A.	2.40
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	1213.13	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	40.82
10-20	116.19
20-30	174.45
30-40	208.31
40-50	213.89
50-60	192.55
60-70	149.36
70-80	88.89
80-90	28.67
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

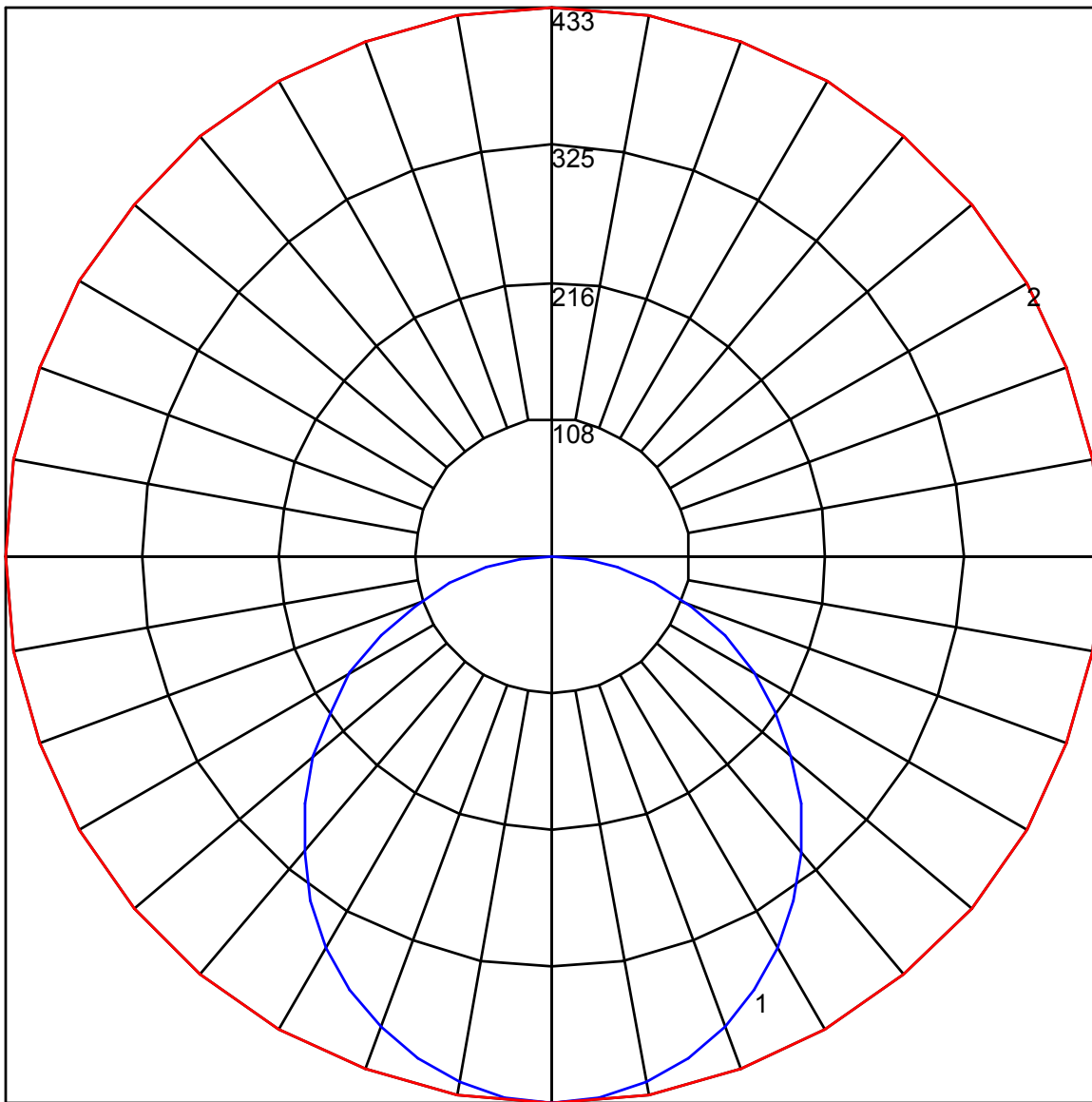
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	39	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 432.687 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)