



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P9012-TU-LO-FWA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] L041411804  
 [TESTLAB]  
 [ISSUE DATE]  
 [MANUFAC] PRUDENTIAL LIGHTING  
 [LUMCAT] P9012-LED-TU-FWA  
 [LUMINAIRE] 13"SQ. X 7-5/8"H. LED LUMINAIRE  
 [MORE] DIFFUSED LENS  
 [BALLASTCAT] OSRAM OPTOTRONIC OT50W/PRG1400C/UNV/DIM/L  
 [BALLAST] INPUT: 120-277VAC, 0.52-0.24A, 50/60Hz. OUTPUT: 50W, 10-55VDC, 400-1400mA  
 [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, 14.80W  
 [ TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	566
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	40
Total Luminaire Watts	14
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	2895	2895	2895
55	2761	2761	2761
65	2635	2635	2635
75	2383	2383	2383
85	2217	2217	2217

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CANDELA TABULATION

	<u>0</u>
0	201.771
5	200.466
10	197.208
15	192.078
20	185.139
25	176.526
30	166.563
35	155.295
40	142.866
45	129.294
50	114.930
55	100.044
60	86.193
65	70.344
70	54.441
75	38.961
80	24.705
85	12.204
90	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	73.21	N.A.	12.90
0-30	154.57	N.A.	27.30
0-40	251.71	N.A.	44.50
0-60	441.24	N.A.	78.00
0-80	552.34	N.A.	97.60
0-90	565.71	N.A.	100.00
10-90	546.67	N.A.	96.60
20-40	178.49	N.A.	31.60
20-50	278.23	N.A.	49.20
40-70	259.18	N.A.	45.80
60-80	111.10	N.A.	19.60
70-80	41.45	N.A.	7.30
80-90	13.37	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	565.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	19.03
10-20	54.18
20-30	81.35
30-40	97.14
40-50	99.74
50-60	89.79
60-70	69.65
70-80	41.45
80-90	13.37
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

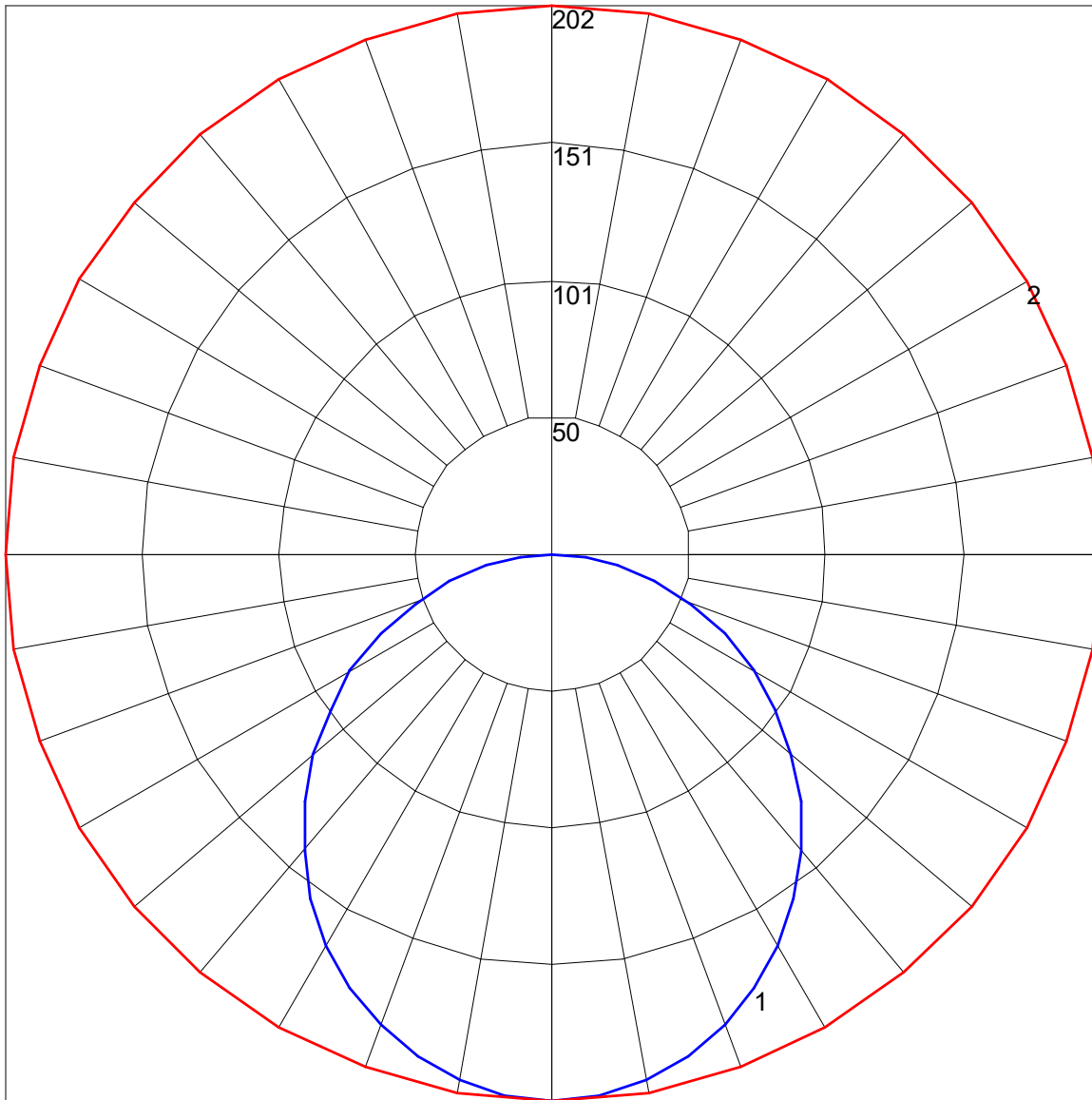
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	98	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	57	52	62	56	52	49
5	75	62	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	53	46	40	52	45	40	50	44	39	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	29
9	56	43	34	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	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 201.771 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.)