



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P9018-TU-MO-FWA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]359807  
 [TESTLAB]  
 [ISSUE DATE]  
 [MANUFAC]Prudential Lighting Group  
 [LUMCAT]P9018-TU-MO-VWA-D1  
 [LUMINAIRE]N/A  
 [LAMP]N/A  
 [OTHER]120.0V 0.3326A 20W PF=0.991

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1765
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	33
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)	0.00 ft
Luminous Width (90-270)	1.42 ft (Diameter)
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3918	3918	3918
55	3732	3732	3732
65	3471	3471	3471
75	3046	3046	3046
85	2509	2509	2509

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CANDELA TABULATION

	<u>0</u>
0.0	635.1
2.5	634.7
5.0	632.7
7.5	629.0
10.0	623.3
12.5	616.1
15.0	607.5
17.5	597.4
20.0	585.8
22.5	572.8
25.0	558.7
27.5	543.1
30.0	526.6
32.5	509.0
35.0	490.5
37.5	471.1
40.0	450.8
42.5	429.7
45.0	408.0
47.5	385.7
50.0	362.7
52.5	339.2
55.0	315.2
57.5	290.9
60.0	266.4
62.5	241.4
65.0	216.0
67.5	190.5
70.0	165.3
72.5	140.5
75.0	116.1
77.5	92.7
80.0	70.6
82.5	50.4
85.0	32.2
87.5	15.6
90.0	1.9

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	231.45	N.A.	13.10
0-30	488.78	N.A.	27.70
0-40	795.56	N.A.	45.10
0-60	1392.00	N.A.	78.80
0-80	1728.91	N.A.	97.90
0-90	1765.49	N.A.	100.00
10-90	1705.39	N.A.	96.60
20-40	564.12	N.A.	32.00
20-50	878.80	N.A.	49.80
40-70	810.13	N.A.	45.90
60-80	336.91	N.A.	19.10
70-80	123.21	N.A.	7.00
80-90	36.58	N.A.	2.10
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	1765.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	60.10
10-20	171.35
20-30	257.34
30-40	306.78
40-50	314.69
50-60	281.75
60-70	213.70
70-80	123.21
80-90	36.58
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

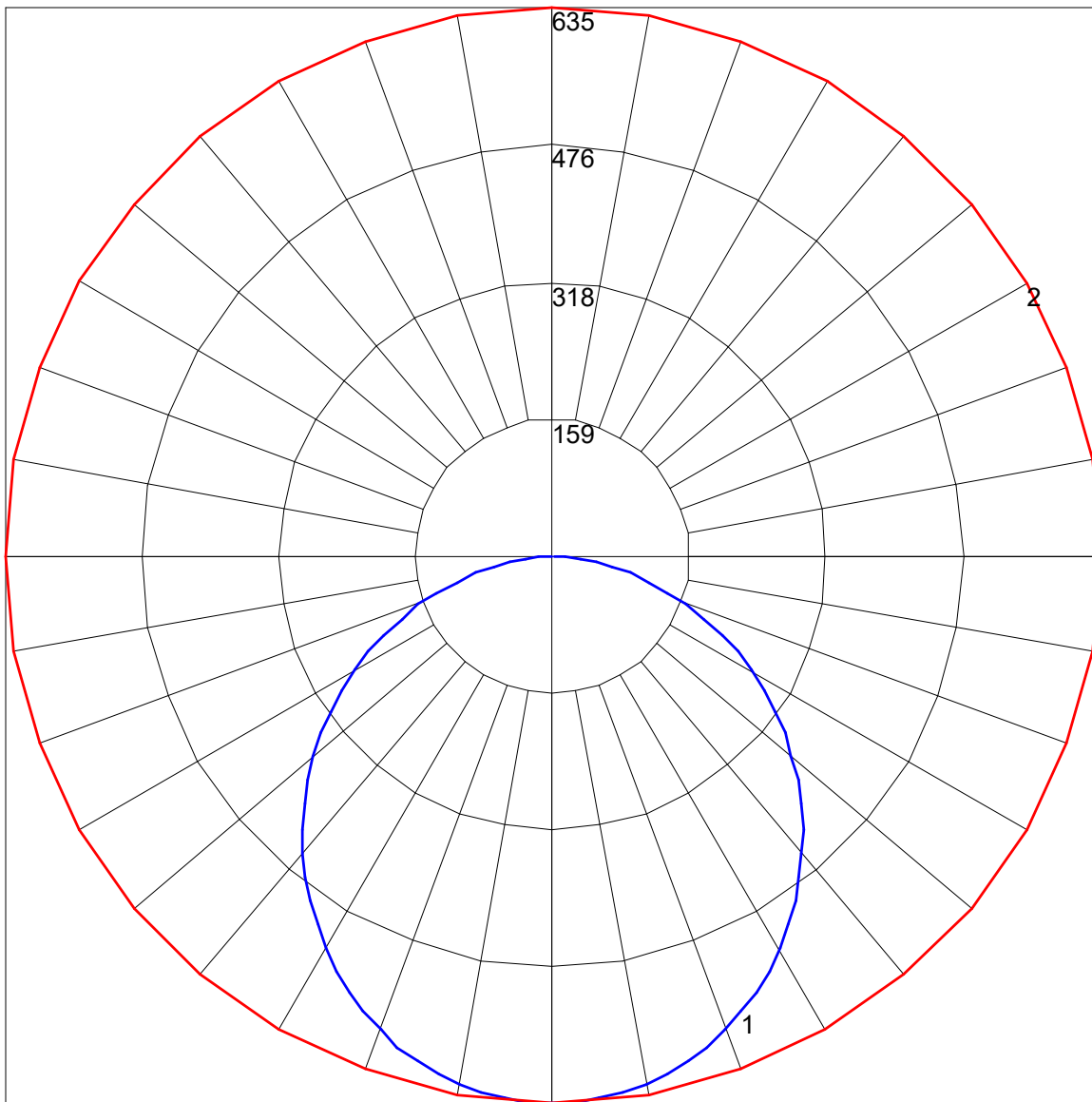
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33
8	60	47	38	33	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 635.1 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.)