



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P9018-LED3SO-FWA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]359807  
 [TESTLAB]UL Verification Services  
 [ISSUE DATE]10/31/2013  
 [MANUFACTURER]Prudential Lighting Group  
 [LUMEN CATEGORY]P9018-LED3-SO-FWA  
 [LUMINAIRE]N/A  
 [LAMP]N/A  
 [LAMP CATEGORY]N/A. LUMINAIRE OUTPUT = 1763 LMS  
 [OTHER]120.0V 0.3326A 39.543W PF=0.991

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1960
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	39
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	4349	4349	4349
55	4142	4142	4142
65	3852	3852	3852
75	3381	3381	3381
85	2785	2785	2785

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CANDELA TABULATION

	0
0.0	704.961
2.5	704.517
5.0	702.297
7.5	698.190
10.0	691.863
12.5	683.871
15.0	674.325
17.5	663.114
20.0	650.238
22.5	635.808
25.0	620.157
27.5	602.841
30.0	584.526
32.5	564.990
35.0	544.455
37.5	522.921
40.0	500.388
42.5	476.967
45.0	452.880
47.5	428.127
50.0	402.597
52.5	376.512
55.0	349.872
57.5	322.899
60.0	295.704
62.5	267.954
65.0	239.760
67.5	211.455
70.0	183.483
72.5	155.955
75.0	128.871
77.5	102.897
80.0	78.366
82.5	55.944
85.0	35.742
87.5	17.316
90.0	2.109

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	256.91	N.A.	13.10
0-30	542.55	N.A.	27.70
0-40	883.08	N.A.	45.10
0-60	1545.12	N.A.	78.80
0-80	1919.09	N.A.	97.90
0-90	1959.69	N.A.	100.00
10-90	1892.99	N.A.	96.60
20-40	626.17	N.A.	32.00
20-50	975.47	N.A.	49.80
40-70	899.25	N.A.	45.90
60-80	373.97	N.A.	19.10
70-80	136.76	N.A.	7.00
80-90	40.61	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	1959.69	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	66.71
10-20	190.20
20-30	285.64
30-40	340.53
40-50	349.30
50-60	312.74
60-70	237.21
70-80	136.76
80-90	40.61
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

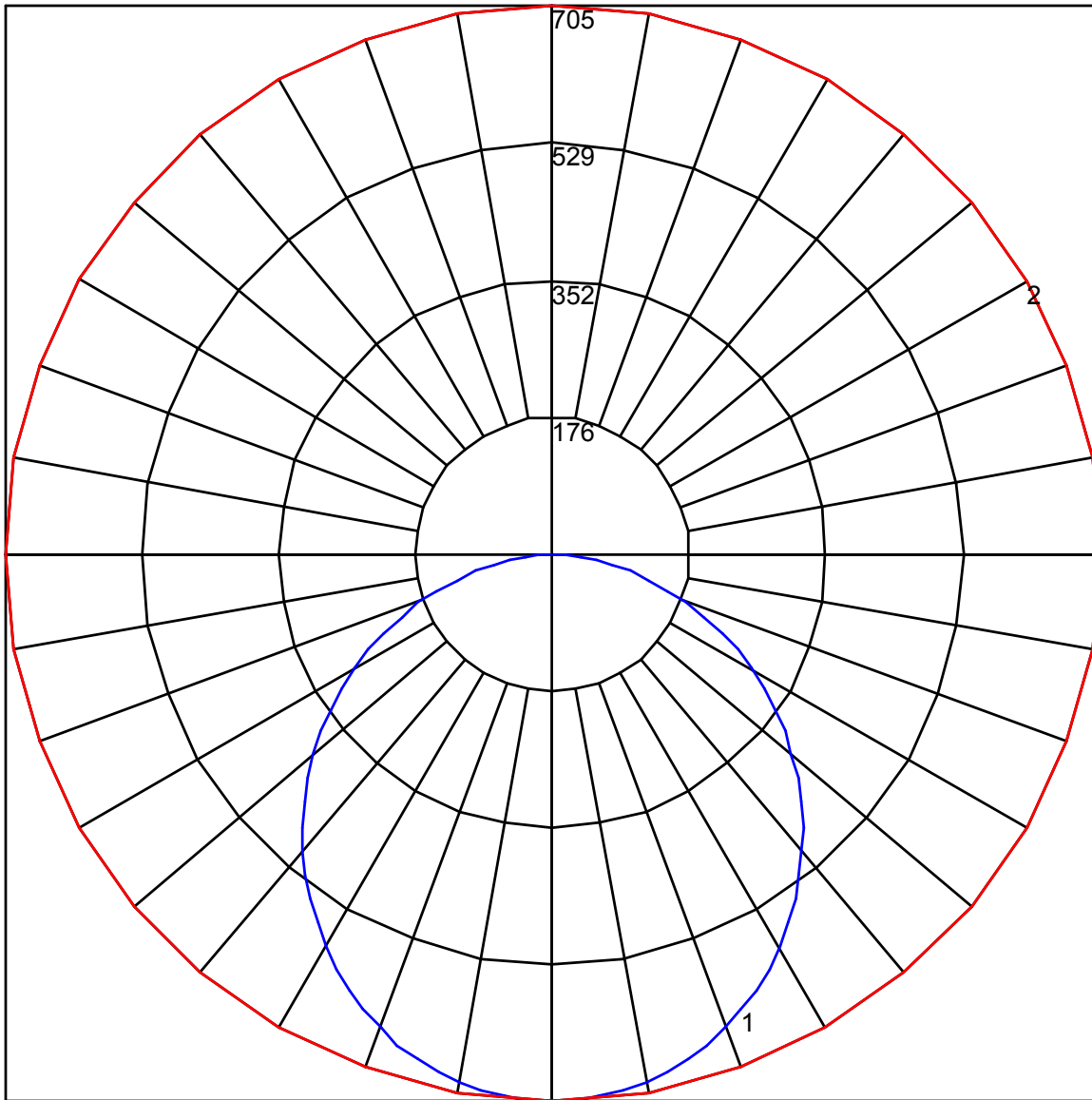
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	90	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	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	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 = 704.961 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.)