



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P9018-LED3LO-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-LED3LO-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	918
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	20
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	2037	2037	2037
55	1940	1940	1940
65	1805	1805	1805
75	1584	1584	1584
85	1305	1305	1305

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CANDELA TABULATION

	0
0.0	330.252
2.5	330.044
5.0	329.004
7.5	327.080
10.0	324.116
12.5	320.372
15.0	315.900
17.5	310.648
20.0	304.616
22.5	297.856
25.0	290.524
27.5	282.412
30.0	273.832
32.5	264.680
35.0	255.060
37.5	244.972
40.0	234.416
42.5	223.444
45.0	212.160
47.5	200.564
50.0	188.604
52.5	176.384
55.0	163.904
57.5	151.268
60.0	138.528
62.5	125.528
65.0	112.320
67.5	99.060
70.0	85.956
72.5	73.060
75.0	60.372
77.5	48.204
80.0	36.712
82.5	26.208
85.0	16.744
87.5	8.112
90.0	0.988

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	120.35	N.A.	13.10
0-30	254.17	N.A.	27.70
0-40	413.69	N.A.	45.10
0-60	723.84	N.A.	78.80
0-80	899.03	N.A.	97.90
0-90	918.06	N.A.	100.00
10-90	886.80	N.A.	96.60
20-40	293.34	N.A.	32.00
20-50	456.98	N.A.	49.80
40-70	421.27	N.A.	45.90
60-80	175.19	N.A.	19.10
70-80	64.07	N.A.	7.00
80-90	19.02	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	918.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	31.25
10-20	89.10
20-30	133.82
30-40	159.53
40-50	163.64
50-60	146.51
60-70	111.13
70-80	64.07
80-90	19.02
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

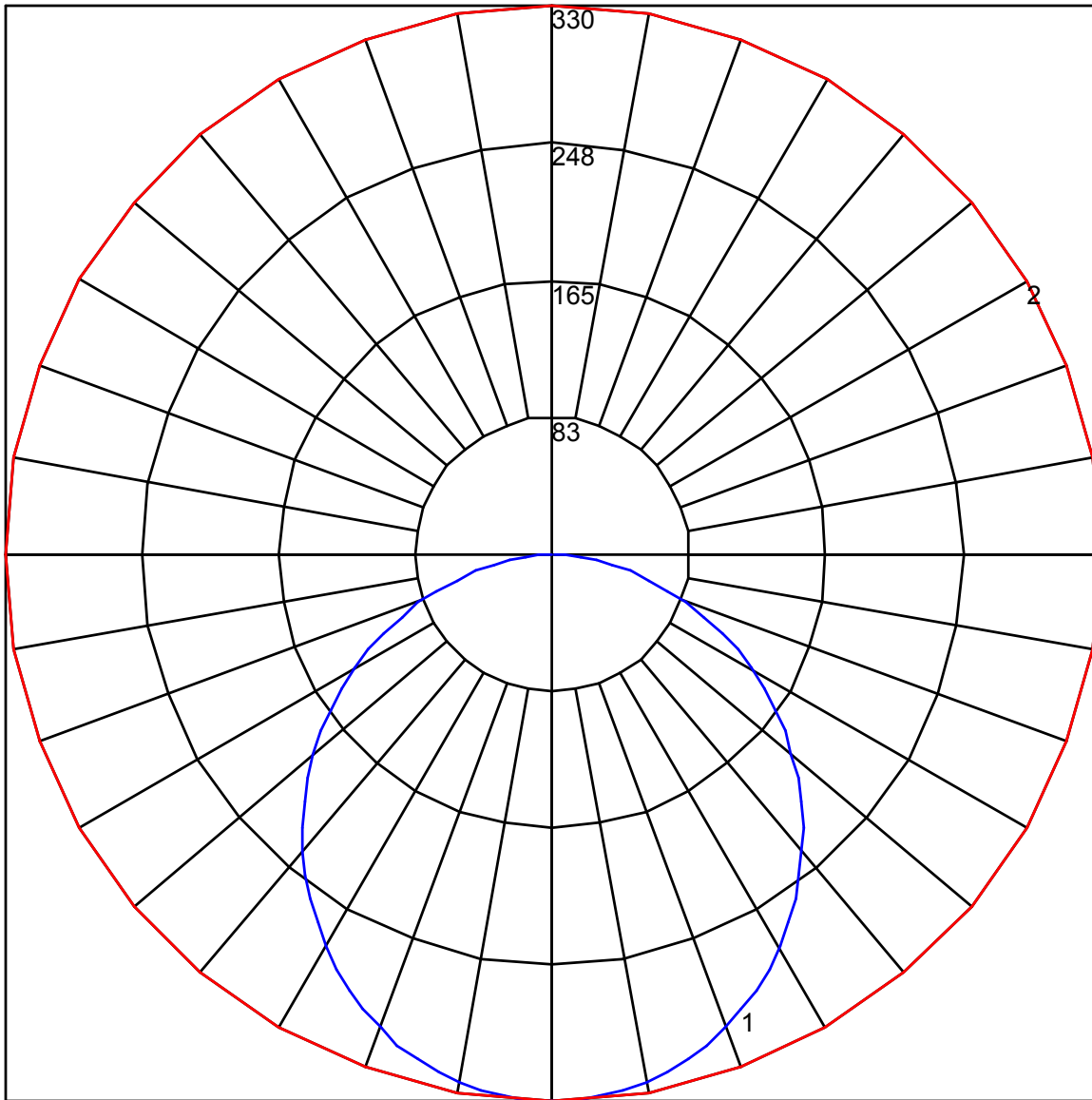
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	33	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 = 330.252 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.)