

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P3918-24-MO-D9.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 105127679LAX-006
[TESTLAB] Intertek
[ISSUE DATE]
[MANUFAC] Prudential Lighting
[LUMCAT] P39 and P4018-24-D9 only-MO

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	899
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	9
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	2.00 ft (Diameter)
Luminous Width (90-270)	2.00 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	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	4.752	4.603	4.523	4.131	3.929	4.131	4.523	4.603	4.752	4.603
95.0	11.732	11.394	11.111	10.760	10.598	10.760	11.111	11.394	11.732	11.394
97.5	20.561	20.196	19.710	19.616	19.481	19.616	19.710	20.196	20.561	20.196
100.0	30.510	30.294	29.970	30.146	30.105	30.146	29.970	30.294	30.510	30.294
102.5	41.621	41.445	41.405	41.513	41.634	41.513	41.405	41.445	41.621	41.445
105.0	53.244	52.961	53.109	53.096	53.339	53.096	53.109	52.961	53.244	52.961
107.5	65.111	64.841	64.989	65.043	65.205	65.043	64.989	64.841	65.111	64.841
110.0	77.301	77.126	77.166	77.396	77.396	77.396	77.166	77.126	77.301	77.126
112.5	90.059	89.856	89.910	90.261	90.140	90.261	89.910	89.856	90.059	89.856
115.0	102.722	102.357	102.519	102.803	102.776	102.803	102.519	102.357	102.722	102.357
117.5	116.235	115.817	116.046	116.181	116.316	116.181	116.046	115.817	116.235	115.817
120.0	129.830	129.465	129.722	129.803	129.938	129.803	129.722	129.465	129.830	129.465
122.5	143.640	143.411	143.532	143.775	143.708	143.775	143.532	143.411	143.640	143.411
125.0	157.842	157.491	157.491	157.856	157.694	157.856	157.491	157.491	157.842	157.491
127.5	172.166	171.558	171.626	171.936	171.923	171.936	171.626	171.558	172.166	171.558
130.0	186.422	185.612	185.841	186.003	186.165	186.003	185.841	185.612	186.422	185.612
132.5	200.489	199.692	199.989	200.030	200.259	200.030	199.989	199.692	200.489	199.692

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CANDELA TABULATION - (Cont.)

135.0	214.313	213.489	213.692	213.746	213.908	213.746	213.692	213.489	214.313	213.489
137.5	227.732	226.881	226.800	227.057	227.057	227.057	226.800	226.881	227.732	226.881
140.0	240.570	239.666	239.315	239.841	239.814	239.841	239.315	239.666	240.570	239.666
142.5	252.761	251.748	251.411	251.870	251.897	251.870	251.411	251.748	252.761	251.748
145.0	264.128	263.034	262.791	263.061	263.169	263.061	262.791	263.034	264.128	263.034
147.5	274.523	273.389	273.159	273.335	273.443	273.335	273.159	273.389	274.523	273.389
150.0	283.824	282.771	282.420	282.636	282.636	282.636	282.420	282.771	283.824	282.771
152.5	292.181	291.114	290.790	290.871	290.831	290.871	290.790	291.114	292.181	291.114
155.0	299.281	298.283	297.959	298.040	297.999	298.040	297.959	298.283	299.281	298.283
157.5	305.262	304.358	304.061	304.141	304.088	304.141	304.061	304.358	305.262	304.358
160.0	310.163	309.353	309.029	309.069	309.110	309.069	309.029	309.353	310.163	309.353
162.5	314.172	313.376	313.051	313.051	313.079	313.051	313.051	313.376	314.172	313.376
165.0	317.210	316.454	316.184	316.170	316.143	316.170	316.184	316.454	317.210	316.454
167.5	319.505	318.803	318.533	318.533	318.533	318.533	318.533	318.803	319.505	318.803
170.0	321.219	320.558	320.288	320.274	320.315	320.274	320.288	320.558	321.219	320.558
172.5	322.407	321.813	321.503	321.543	321.597	321.543	321.503	321.813	322.407	321.813
175.0	323.096	322.569	322.272	322.353	322.366	322.353	322.272	322.569	323.096	322.569
177.5	323.474	322.934	322.691	322.731	322.745	322.731	322.691	322.934	323.474	322.934
180.0	323.001	323.001	323.001	323.001	323.001	323.001	323.001	323.001	323.001	323.001

Vert. Angles	Horizontal Angles						
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	4.523	4.131	3.929	4.131	4.523	4.603	4.752
95.0	11.111	10.760	10.598	10.760	11.111	11.394	11.732
97.5	19.710	19.616	19.481	19.616	19.710	20.196	20.561
100.0	29.970	30.146	30.105	30.146	29.970	30.294	30.510
102.5	41.405	41.513	41.634	41.513	41.405	41.445	41.621
105.0	53.109	53.096	53.339	53.096	53.109	52.961	53.244
107.5	64.989	65.043	65.205	65.043	64.989	64.841	65.111
110.0	77.166	77.396	77.396	77.396	77.166	77.126	77.301
112.5	89.910	90.261	90.140	90.261	89.910	89.856	90.059
115.0	102.519	102.803	102.776	102.803	102.519	102.357	102.722
117.5	116.046	116.181	116.316	116.181	116.046	115.817	116.235
120.0	129.722	129.803	129.938	129.803	129.722	129.465	129.830
122.5	143.532	143.775	143.708	143.775	143.532	143.411	143.640
125.0	157.491	157.856	157.694	157.856	157.491	157.491	157.842
127.5	171.626	171.936	171.923	171.936	171.626	171.558	172.166
130.0	185.841	186.003	186.165	186.003	185.841	185.612	186.422
132.5	199.989	200.030	200.259	200.030	199.989	199.692	200.489
135.0	213.692	213.746	213.908	213.746	213.692	213.489	214.313
137.5	226.800	227.057	227.057	227.057	226.800	226.881	227.732
140.0	239.315	239.841	239.814	239.841	239.315	239.666	240.570
142.5	251.411	251.870	251.897	251.870	251.411	251.748	252.761
145.0	262.791	263.061	263.169	263.061	262.791	263.034	264.128
147.5	273.159	273.335	273.443	273.335	273.159	273.389	274.523
150.0	282.420	282.636	282.636	282.636	282.420	282.771	283.824
152.5	290.790	290.871	290.831	290.871	290.790	291.114	292.181
155.0	297.959	298.040	297.999	298.040	297.959	298.283	299.281
157.5	304.061	304.141	304.088	304.141	304.061	304.358	305.262
160.0	309.029	309.069	309.110	309.069	309.029	309.353	310.163
162.5	313.051	313.051	313.079	313.051	313.051	313.376	314.172
165.0	316.184	316.170	316.143	316.170	316.184	316.454	317.210
167.5	318.533	318.533	318.533	318.533	318.533	318.803	319.505
170.0	320.288	320.274	320.315	320.274	320.288	320.558	321.219
172.5	321.503	321.543	321.597	321.543	321.503	321.813	322.407
175.0	322.272	322.353	322.366	322.353	322.272	322.569	323.096
177.5	322.691	322.731	322.745	322.731	322.691	322.934	323.474
180.0	323.001	323.001	323.001	323.001	323.001	323.001	323.001

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	69.97	N.A.	7.80
90-120	171.93	N.A.	19.10
90-130	312.95	N.A.	34.80
90-150	641.98	N.A.	71.40
90-180	899.36	N.A.	100.00
110-180	829.39	N.A.	92.20
0-180	899.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	13.73
100-110	56.24
110-120	101.96
120-130	141.02
130-140	164.71
140-150	164.33
150-160	137.30
160-170	89.36
170-180	30.72

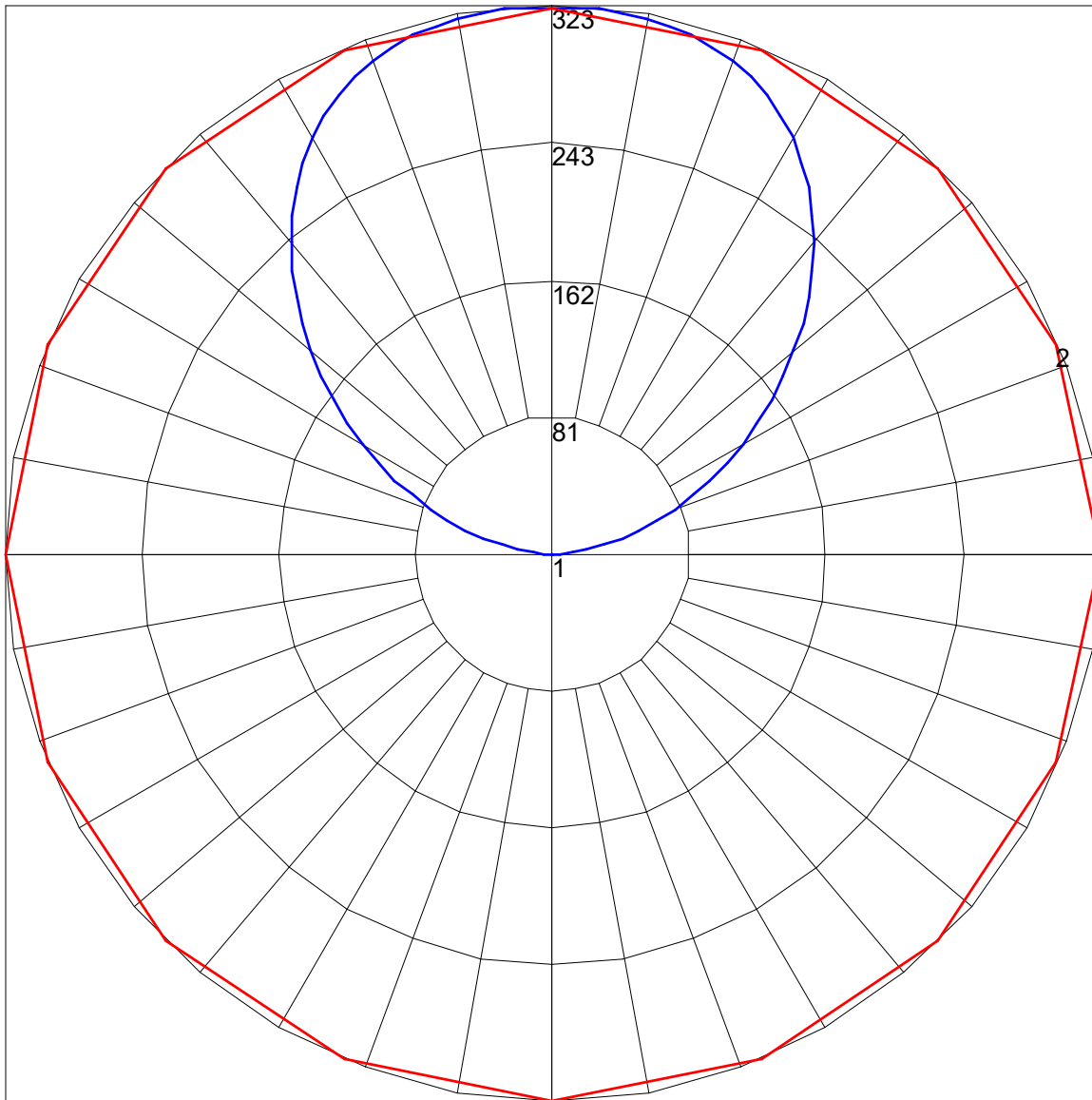
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	57	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 323.474 Located At Horizontal Angle = 0, Vertical Angle = 177.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (177.5) (Through Max. Cd.)