

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P3918-24-SO-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-SO

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1099
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	11
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	5.808	5.626	5.528	5.049	4.802	5.049	5.528	5.626	5.808	5.626
95.0	14.339	13.926	13.580	13.151	12.953	13.151	13.580	13.926	14.339	13.926
97.5	25.130	24.684	24.090	23.975	23.810	23.975	24.090	24.684	25.130	24.684
100.0	37.290	37.026	36.630	36.845	36.795	36.845	36.630	37.026	37.290	37.026
102.5	50.870	50.655	50.606	50.738	50.886	50.738	50.606	50.655	50.870	50.655
105.0	65.076	64.730	64.911	64.895	65.192	64.895	64.911	64.730	65.076	64.730
107.5	79.580	79.250	79.431	79.497	79.695	79.497	79.431	79.250	79.580	79.250
110.0	94.479	94.265	94.314	94.595	94.595	94.595	94.314	94.265	94.479	94.265
112.5	110.072	109.824	109.890	110.319	110.171	110.319	109.890	109.824	110.072	109.824
115.0	125.549	125.103	125.301	125.648	125.615	125.648	125.301	125.103	125.549	125.103
117.5	142.065	141.554	141.834	141.999	142.164	141.999	141.834	141.554	142.065	141.554
120.0	158.681	158.235	158.549	158.648	158.813	158.648	158.549	158.235	158.681	158.235
122.5	175.560	175.280	175.428	175.725	175.643	175.725	175.428	175.280	175.560	175.280
125.0	192.918	192.489	192.489	192.935	192.737	192.935	192.489	192.489	192.918	192.489
127.5	210.425	209.682	209.765	210.144	210.128	210.144	209.765	209.682	210.425	209.682
130.0	227.849	226.859	227.139	227.337	227.535	227.337	227.139	226.859	227.849	226.859
132.5	245.042	244.068	244.431	244.481	244.761	244.481	244.431	244.068	245.042	244.068

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PHOTOMETRIC FILENAME : P3918-24-SO-D9.IES

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135.0	261.938	260.931	261.179	261.245	261.443	261.245	261.179	260.931	261.938	260.931
137.5	278.339	277.299	277.200	277.514	277.514	277.514	277.200	277.299	278.339	277.299
140.0	294.030	292.925	292.496	293.139	293.106	293.139	292.496	292.925	294.030	292.925
142.5	308.930	307.692	307.280	307.841	307.874	307.841	307.280	307.692	308.930	307.692
145.0	322.823	321.486	321.189	321.519	321.651	321.519	321.189	321.486	322.823	321.486
147.5	335.528	334.142	333.861	334.076	334.208	334.076	333.861	334.142	335.528	334.142
150.0	346.896	345.609	345.180	345.444	345.444	345.444	345.180	345.609	346.896	345.609
152.5	357.110	355.806	355.410	355.509	355.460	355.509	355.410	355.806	357.110	355.806
155.0	365.788	364.568	364.172	364.271	364.221	364.271	364.172	364.568	365.788	364.568
157.5	373.098	371.993	371.630	371.728	371.663	371.728	371.630	371.993	373.098	371.993
160.0	379.088	378.098	377.702	377.751	377.801	377.751	377.702	378.098	379.088	378.098
162.5	383.988	383.015	382.618	382.618	382.652	382.618	382.618	383.015	383.988	383.015
165.0	387.701	386.777	386.447	386.430	386.397	386.430	386.447	386.777	387.701	386.777
167.5	390.506	389.648	389.318	389.318	389.318	389.318	389.318	389.648	390.506	389.648
170.0	392.601	391.793	391.463	391.446	391.496	391.446	391.463	391.793	392.601	391.793
172.5	394.053	393.327	392.948	392.997	393.063	392.997	392.948	393.327	394.053	393.327
175.0	394.895	394.251	393.888	393.987	394.003	393.987	393.888	394.251	394.895	394.251
177.5	395.357	394.697	394.400	394.449	394.466	394.449	394.400	394.697	395.357	394.697
180.0	394.779	394.779	394.779	394.779	394.779	394.779	394.779	394.779	394.779	394.779

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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PHOTOMETRIC FILENAME : P3918-24-SO-D9.IES

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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	5.528	5.049	4.802	5.049	5.528	5.626	5.808
95.0	13.580	13.151	12.953	13.151	13.580	13.926	14.339
97.5	24.090	23.975	23.810	23.975	24.090	24.684	25.130
100.0	36.630	36.845	36.795	36.845	36.630	37.026	37.290
102.5	50.606	50.738	50.886	50.738	50.606	50.655	50.870
105.0	64.911	64.895	65.192	64.895	64.911	64.730	65.076
107.5	79.431	79.497	79.695	79.497	79.431	79.250	79.580
110.0	94.314	94.595	94.595	94.595	94.314	94.265	94.479
112.5	109.890	110.319	110.171	110.319	109.890	109.824	110.072
115.0	125.301	125.648	125.615	125.648	125.301	125.103	125.549
117.5	141.834	141.999	142.164	141.999	141.834	141.554	142.065
120.0	158.549	158.648	158.813	158.648	158.549	158.235	158.681
122.5	175.428	175.725	175.643	175.725	175.428	175.280	175.560
125.0	192.489	192.935	192.737	192.935	192.489	192.489	192.918
127.5	209.765	210.144	210.128	210.144	209.765	209.682	210.425
130.0	227.139	227.337	227.535	227.337	227.139	226.859	227.849
132.5	244.431	244.481	244.761	244.481	244.431	244.068	245.042
135.0	261.179	261.245	261.443	261.245	261.179	260.931	261.938
137.5	277.200	277.514	277.514	277.514	277.200	277.299	278.339
140.0	292.496	293.139	293.106	293.139	292.496	292.925	294.030
142.5	307.280	307.841	307.874	307.841	307.280	307.692	308.930
145.0	321.189	321.519	321.651	321.519	321.189	321.486	322.823
147.5	333.861	334.076	334.208	334.076	333.861	334.142	335.528
150.0	345.180	345.444	345.444	345.444	345.180	345.609	346.896
152.5	355.410	355.509	355.460	355.509	355.410	355.806	357.110
155.0	364.172	364.271	364.221	364.271	364.172	364.568	365.788
157.5	371.630	371.728	371.663	371.728	371.630	371.993	373.098
160.0	377.702	377.751	377.801	377.751	377.702	378.098	379.088
162.5	382.618	382.618	382.652	382.618	382.618	383.015	383.988
165.0	386.447	386.430	386.397	386.430	386.447	386.777	387.701
167.5	389.318	389.318	389.318	389.318	389.318	389.648	390.506
170.0	391.463	391.446	391.496	391.446	391.463	391.793	392.601
172.5	392.948	392.997	393.063	392.997	392.948	393.327	394.053
175.0	393.888	393.987	394.003	393.987	393.888	394.251	394.895
177.5	394.400	394.449	394.466	394.449	394.400	394.697	395.357
180.0	394.779	394.779	394.779	394.779	394.779	394.779	394.779

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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	85.52	N.A.	7.80
90-120	210.14	N.A.	19.10
90-130	382.49	N.A.	34.80
90-150	784.64	N.A.	71.40
90-180	1099.22	N.A.	100.00
110-180	1013.7	N.A.	92.20
0-180	1099.22	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	16.78
100-110	68.74
110-120	124.62
120-130	172.35
130-140	201.31
140-150	200.84
150-160	167.81
160-170	109.22
170-180	37.55

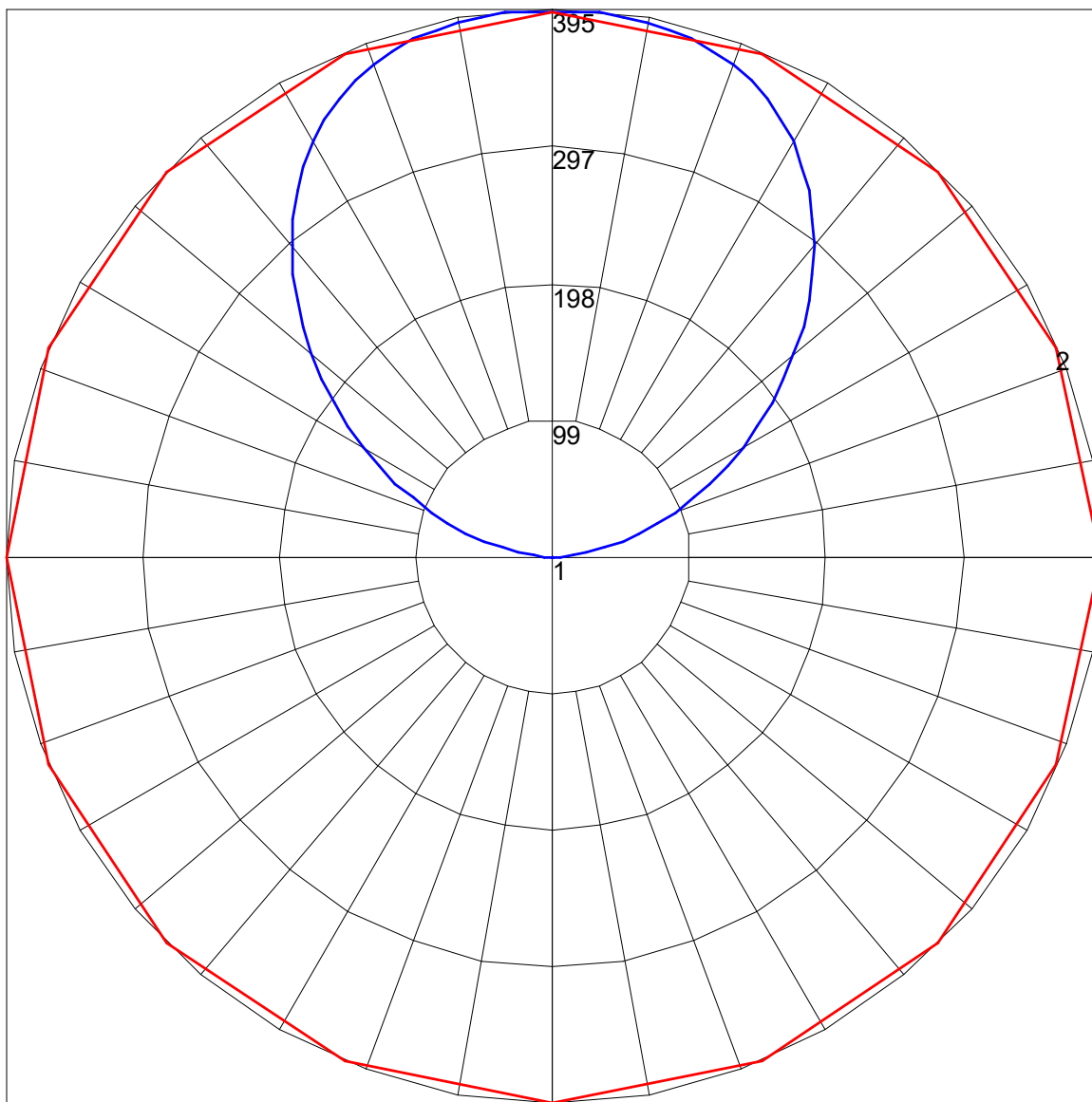
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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	56	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 = 395.357 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.)