

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P3918-24-HO-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-HO

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1299
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	13
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>
<b>0.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>2.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>5.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>7.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>10.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>12.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>15.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>17.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>20.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>22.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>25.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>27.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>30.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>32.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>35.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>37.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>40.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>42.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>45.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>47.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>50.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>52.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>55.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>57.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>60.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>62.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>65.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>67.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>70.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>72.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>75.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>77.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>80.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>82.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>85.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>87.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>92.5</b>	6.864	6.649	6.532	5.967	5.674	5.967	6.532	6.649	6.864	6.649
<b>95.0</b>	16.945	16.458	16.049	15.541	15.307	15.541	16.049	16.458	16.945	16.458
<b>97.5</b>	29.698	29.172	28.470	28.333	28.138	28.333	28.470	29.172	29.698	29.172
<b>100.0</b>	44.070	43.758	43.290	43.543	43.485	43.543	43.290	43.758	44.070	43.758
<b>102.5</b>	60.118	59.865	59.807	59.962	60.138	59.962	59.807	59.865	60.118	59.865
<b>105.0</b>	76.908	76.498	76.713	76.693	77.044	76.693	76.713	76.498	76.908	76.498
<b>107.5</b>	94.048	93.658	93.873	93.951	94.185	93.951	93.873	93.658	94.048	93.658
<b>110.0</b>	111.657	111.403	111.462	111.793	111.793	111.793	111.462	111.403	111.657	111.403
<b>112.5</b>	130.084	129.792	129.870	130.377	130.201	130.377	129.870	129.792	130.084	129.792
<b>115.0</b>	148.375	147.849	148.083	148.492	148.453	148.492	148.083	147.849	148.375	147.849
<b>117.5</b>	167.895	167.290	167.622	167.817	168.012	167.817	167.622	167.290	167.895	167.290
<b>120.0</b>	187.531	187.005	187.375	187.492	187.687	187.492	187.375	187.005	187.531	187.005
<b>122.5</b>	207.480	207.149	207.324	207.675	207.577	207.675	207.324	207.149	207.480	207.149
<b>125.0</b>	227.994	227.487	227.487	228.014	227.779	228.014	227.487	227.487	227.994	227.487
<b>127.5</b>	248.684	247.806	247.904	248.352	248.332	248.352	247.904	247.806	248.684	247.806
<b>130.0</b>	269.275	268.105	268.437	268.671	268.905	268.671	268.437	268.105	269.275	268.105
<b>132.5</b>	289.594	288.444	288.873	288.931	289.263	288.931	288.873	288.444	289.594	288.444

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**CANDELA TABULATION - (Cont.)**

135.0	309.562	308.373	308.665	308.743	308.977	308.743	308.665	308.373	309.562	308.373
137.5	328.945	327.717	327.600	327.970	327.970	327.970	327.600	327.717	328.945	327.717
140.0	347.490	346.183	345.676	346.437	346.398	346.437	345.676	346.183	347.490	346.183
142.5	365.098	363.636	363.148	363.811	363.850	363.811	363.148	363.636	365.098	363.636
145.0	381.517	379.938	379.587	379.977	380.133	379.977	379.587	379.938	381.517	379.938
147.5	396.532	394.894	394.563	394.816	394.972	394.816	394.563	394.894	396.532	394.894
150.0	409.968	408.447	407.940	408.252	408.252	408.252	407.940	408.447	409.968	408.447
152.5	422.038	420.498	420.030	420.147	420.088	420.147	420.030	420.498	422.038	420.498
155.0	432.295	430.852	430.385	430.501	430.443	430.501	430.385	430.852	432.295	430.852
157.5	440.934	439.627	439.198	439.315	439.237	439.315	439.198	439.627	440.934	439.627
160.0	448.012	446.842	446.375	446.433	446.491	446.433	446.375	446.842	448.012	446.842
162.5	453.804	452.653	452.185	452.185	452.225	452.185	452.185	452.653	453.804	452.653
165.0	458.191	457.100	456.710	456.690	456.651	456.690	456.710	457.100	458.191	457.100
167.5	461.506	460.492	460.102	460.102	460.102	460.102	460.102	460.492	461.506	460.492
170.0	463.983	463.027	462.637	462.618	462.676	462.618	462.637	463.027	463.983	463.027
172.5	465.699	464.841	464.392	464.451	464.529	464.451	464.392	464.841	465.699	464.841
175.0	466.693	465.933	465.504	465.621	465.640	465.621	465.504	465.933	466.693	465.933
177.5	467.240	466.460	466.108	466.167	466.186	466.167	466.108	466.460	467.240	466.460
180.0	466.557	466.557	466.557	466.557	466.557	466.557	466.557	466.557	466.557	466.557

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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**CANDELA TABULATION - (Cont.)**

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	6.532	5.967	5.674	5.967	6.532	6.649	6.864
95.0	16.049	15.541	15.307	15.541	16.049	16.458	16.945
97.5	28.470	28.333	28.138	28.333	28.470	29.172	29.698
100.0	43.290	43.543	43.485	43.543	43.290	43.758	44.070
102.5	59.807	59.962	60.138	59.962	59.807	59.865	60.118
105.0	76.713	76.693	77.044	76.693	76.713	76.498	76.908
107.5	93.873	93.951	94.185	93.951	93.873	93.658	94.048
110.0	111.462	111.793	111.793	111.793	111.462	111.403	111.657
112.5	129.870	130.377	130.201	130.377	129.870	129.792	130.084
115.0	148.083	148.492	148.453	148.492	148.083	147.849	148.375
117.5	167.622	167.817	168.012	167.817	167.622	167.290	167.895
120.0	187.375	187.492	187.687	187.492	187.375	187.005	187.531
122.5	207.324	207.675	207.577	207.675	207.324	207.149	207.480
125.0	227.487	228.014	227.779	228.014	227.487	227.487	227.994
127.5	247.904	248.352	248.332	248.352	247.904	247.806	248.684
130.0	268.437	268.671	268.905	268.671	268.437	268.105	269.275
132.5	288.873	288.931	289.263	288.931	288.873	288.444	289.594
135.0	308.665	308.743	308.977	308.743	308.665	308.373	309.562
137.5	327.600	327.970	327.970	327.970	327.600	327.717	328.945
140.0	345.676	346.437	346.398	346.437	345.676	346.183	347.490
142.5	363.148	363.811	363.850	363.811	363.148	363.636	365.098
145.0	379.587	379.977	380.133	379.977	379.587	379.938	381.517
147.5	394.563	394.816	394.972	394.816	394.563	394.894	396.532
150.0	407.940	408.252	408.252	408.252	407.940	408.447	409.968
152.5	420.030	420.147	420.088	420.147	420.030	420.498	422.038
155.0	430.385	430.501	430.443	430.501	430.385	430.852	432.295
157.5	439.198	439.315	439.237	439.315	439.198	439.627	440.934
160.0	446.375	446.433	446.491	446.433	446.375	446.842	448.012
162.5	452.185	452.185	452.225	452.185	452.185	452.653	453.804
165.0	456.710	456.690	456.651	456.690	456.710	457.100	458.191
167.5	460.102	460.102	460.102	460.102	460.102	460.492	461.506
170.0	462.637	462.618	462.676	462.618	462.637	463.027	463.983
172.5	464.392	464.451	464.529	464.451	464.392	464.841	465.699
175.0	465.504	465.621	465.640	465.621	465.504	465.933	466.693
177.5	466.108	466.167	466.186	466.167	466.108	466.460	467.240
180.0	466.557	466.557	466.557	466.557	466.557	466.557	466.557

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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	101.07	N.A.	7.80
90-120	248.34	N.A.	19.10
90-130	452.03	N.A.	34.80
90-150	927.31	N.A.	71.40
90-180	1299.08	N.A.	100.00
110-180	1198.01	N.A.	92.20
0-180	1299.08	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	19.83
100-110	81.24
110-120	147.28
120-130	203.69
130-140	237.91
140-150	237.36
150-160	198.32
160-170	129.08
170-180	44.37

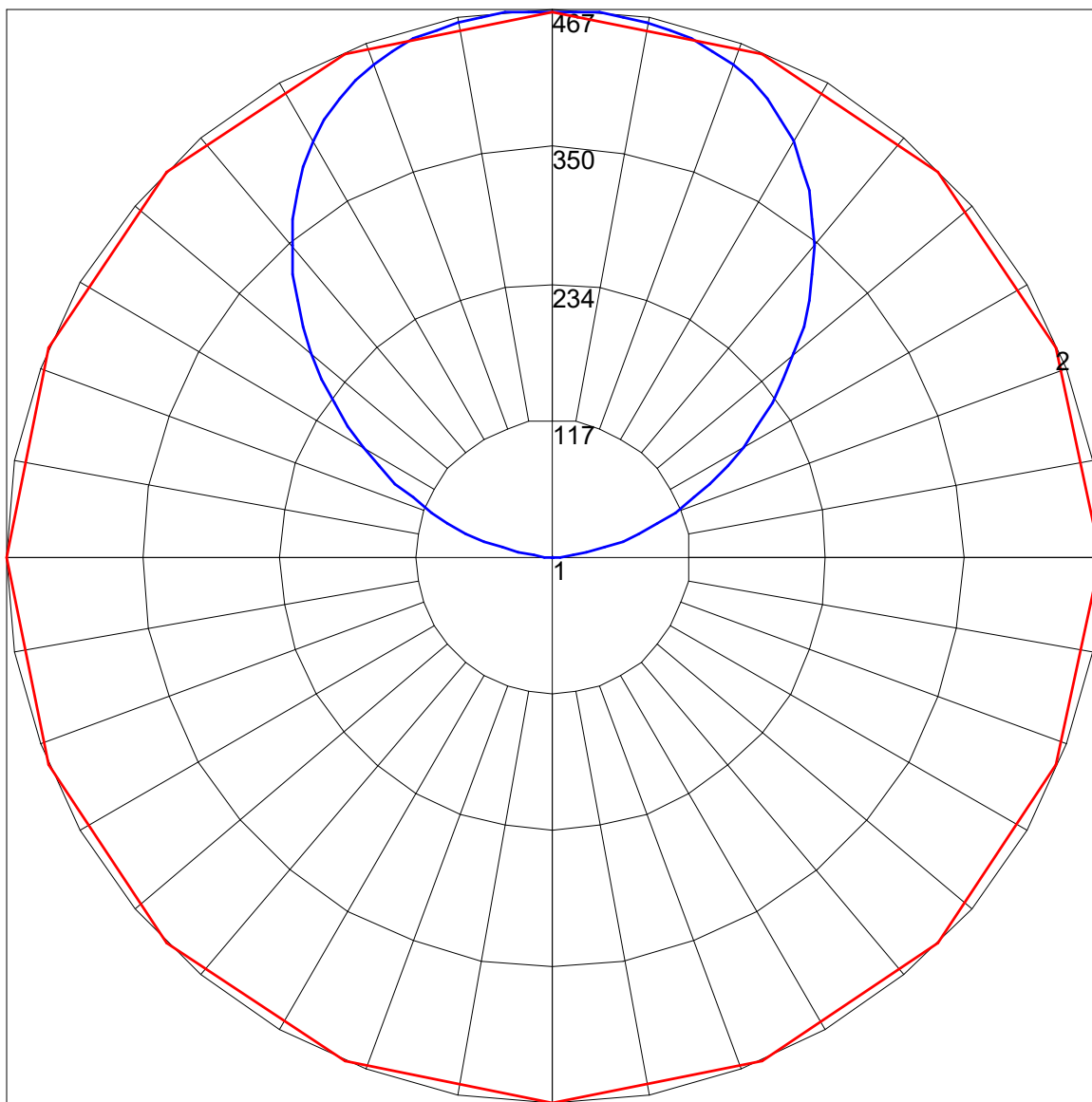
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 467.24 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.)