

IES INDOOR REPORT**PHOTOMETRIC FILENAME : P3936-48-60-MO-D9.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] 105127679LAX-005
[TESTLAB] Intertek
[ISSUE DATE]
[MANUFAC] Prudential Lighting
[LUMCAT] P39 or 4036-48-MO

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1333
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	12
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	7.04	6.71	6.71	6.16	5.94	6.16	6.71	6.71	7.04	6.71
95.0	17.16	16.72	16.50	15.95	15.84	15.95	16.50	16.72	17.16	16.72
97.5	30.25	29.70	29.37	29.04	28.82	29.04	29.37	29.70	30.25	29.70
100.0	44.99	44.66	44.55	44.44	44.66	44.44	44.55	44.66	44.99	44.66
102.5	61.49	61.16	61.49	61.38	61.60	61.38	61.49	61.16	61.49	61.16
105.0	78.21	77.99	78.32	78.32	78.32	78.32	78.32	77.99	78.21	77.99
107.5	95.26	95.15	95.70	95.70	95.92	95.70	95.70	95.15	95.26	95.15
110.0	113.19	113.19	113.63	113.85	113.85	113.85	113.63	113.19	113.19	113.19
112.5	132.11	131.89	132.33	132.66	132.88	132.66	132.33	131.89	132.11	131.89
115.0	151.80	151.47	151.91	152.24	152.68	152.24	151.91	151.47	151.80	151.47
117.5	171.93	171.60	172.15	172.26	172.81	172.26	172.15	171.60	171.93	171.60
120.0	192.28	191.84	192.50	192.61	193.16	192.61	192.50	191.84	192.28	191.84
122.5	212.85	212.52	212.85	213.40	213.73	213.40	212.85	212.52	212.85	212.52
125.0	233.75	233.64	233.64	234.41	234.52	234.41	233.64	233.64	233.75	233.64
127.5	254.98	254.87	254.76	255.53	255.64	255.53	254.76	254.87	254.98	254.87
130.0	276.43	276.10	276.21	276.65	276.87	276.65	276.21	276.10	276.43	276.10
132.5	297.55	297.33	297.33	297.66	297.88	297.66	297.33	297.33	297.55	297.33

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CANDELA TABULATION - (Cont.)

135.0	318.12	318.01	317.79	318.23	318.34	318.23	317.79	318.01	318.12	318.01
137.5	337.92	337.70	337.48	337.81	337.81	337.81	337.48	337.70	337.92	337.70
140.0	356.95	356.62	356.29	356.84	356.51	356.84	356.29	356.62	356.95	356.62
142.5	374.99	374.66	374.44	374.66	374.44	374.66	374.44	374.66	374.99	374.66
145.0	391.82	391.49	391.27	391.38	391.16	391.38	391.27	391.49	391.82	391.49
147.5	407.00	406.67	406.56	406.34	406.23	406.34	406.56	406.67	407.00	406.67
150.0	420.42	420.20	419.87	419.87	419.43	419.87	419.87	420.20	420.42	420.20
152.5	432.30	432.08	431.64	431.64	431.20	431.64	431.64	432.08	432.30	432.08
155.0	442.42	442.20	441.76	441.87	441.32	441.87	441.76	442.20	442.42	442.20
157.5	450.89	450.56	450.23	450.23	449.79	450.23	450.23	450.56	450.89	450.56
160.0	457.71	457.38	457.05	457.05	456.61	457.05	457.05	457.38	457.71	457.38
162.5	462.88	462.66	462.33	462.33	462.00	462.33	462.33	462.66	462.88	462.66
165.0	466.73	466.51	466.29	466.29	465.85	466.29	466.29	466.51	466.73	466.51
167.5	469.59	469.26	469.15	469.15	468.71	469.15	469.15	469.26	469.59	469.26
170.0	471.57	471.35	471.13	471.24	470.80	471.24	471.13	471.35	471.57	471.35
172.5	472.89	472.78	472.56	472.78	472.23	472.78	472.56	472.78	472.89	472.78
175.0	473.55	473.44	473.33	473.55	473.22	473.55	473.33	473.44	473.55	473.44
177.5	473.88	473.88	473.77	473.88	473.55	473.88	473.77	473.88	473.88	473.88
180.0	473.88	473.88	473.88	473.88	473.88	473.88	473.88	473.88	473.88	473.88

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	6.71	6.16	5.94	6.16	6.71	6.71	7.04
95.0	16.50	15.95	15.84	15.95	16.50	16.72	17.16
97.5	29.37	29.04	28.82	29.04	29.37	29.70	30.25
100.0	44.55	44.44	44.66	44.44	44.55	44.66	44.99
102.5	61.49	61.38	61.60	61.38	61.49	61.16	61.49
105.0	78.32	78.32	78.32	78.32	78.32	77.99	78.21
107.5	95.70	95.70	95.92	95.70	95.70	95.15	95.26
110.0	113.63	113.85	113.85	113.85	113.63	113.19	113.19
112.5	132.33	132.66	132.88	132.66	132.33	131.89	132.11
115.0	151.91	152.24	152.68	152.24	151.91	151.47	151.80
117.5	172.15	172.26	172.81	172.26	172.15	171.60	171.93
120.0	192.50	192.61	193.16	192.61	192.50	191.84	192.28
122.5	212.85	213.40	213.73	213.40	212.85	212.52	212.85
125.0	233.64	234.41	234.52	234.41	233.64	233.64	233.75
127.5	254.76	255.53	255.64	255.53	254.76	254.87	254.98
130.0	276.21	276.65	276.87	276.65	276.21	276.10	276.43
132.5	297.33	297.66	297.88	297.66	297.33	297.33	297.55
135.0	317.79	318.23	318.34	318.23	317.79	318.01	318.12
137.5	337.48	337.81	337.81	337.81	337.48	337.70	337.92
140.0	356.29	356.84	356.51	356.84	356.29	356.62	356.95
142.5	374.44	374.66	374.44	374.66	374.44	374.66	374.99
145.0	391.27	391.38	391.16	391.38	391.27	391.49	391.82
147.5	406.56	406.34	406.23	406.34	406.56	406.67	407.00
150.0	419.87	419.87	419.43	419.87	419.87	420.20	420.42
152.5	431.64	431.64	431.20	431.64	431.64	432.08	432.30
155.0	441.76	441.87	441.32	441.87	441.76	442.20	442.42
157.5	450.23	450.23	449.79	450.23	450.23	450.56	450.89
160.0	457.05	457.05	456.61	457.05	457.05	457.38	457.71
162.5	462.33	462.33	462.00	462.33	462.33	462.66	462.88
165.0	466.29	466.29	465.85	466.29	466.29	466.51	466.73
167.5	469.15	469.15	468.71	469.15	469.15	469.26	469.59
170.0	471.13	471.24	470.80	471.24	471.13	471.35	471.57
172.5	472.56	472.78	472.23	472.78	472.56	472.78	472.89
175.0	473.33	473.55	473.22	473.55	473.33	473.44	473.55
177.5	473.77	473.88	473.55	473.88	473.77	473.88	473.88
180.0	473.88	473.88	473.88	473.88	473.88	473.88	473.88

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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	103.15	N.A.	7.70
90-120	253.87	N.A.	19.00
90-130	463.19	N.A.	34.80
90-150	952.55	N.A.	71.50
90-180	1332.9	N.A.	100.00
110-180	1229.75	N.A.	92.30
0-180	1332.9	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	20.30
100-110	82.84
110-120	150.72
120-130	209.33
130-140	245.00
140-150	244.36
150-160	203.46
160-170	131.77
170-180	45.12

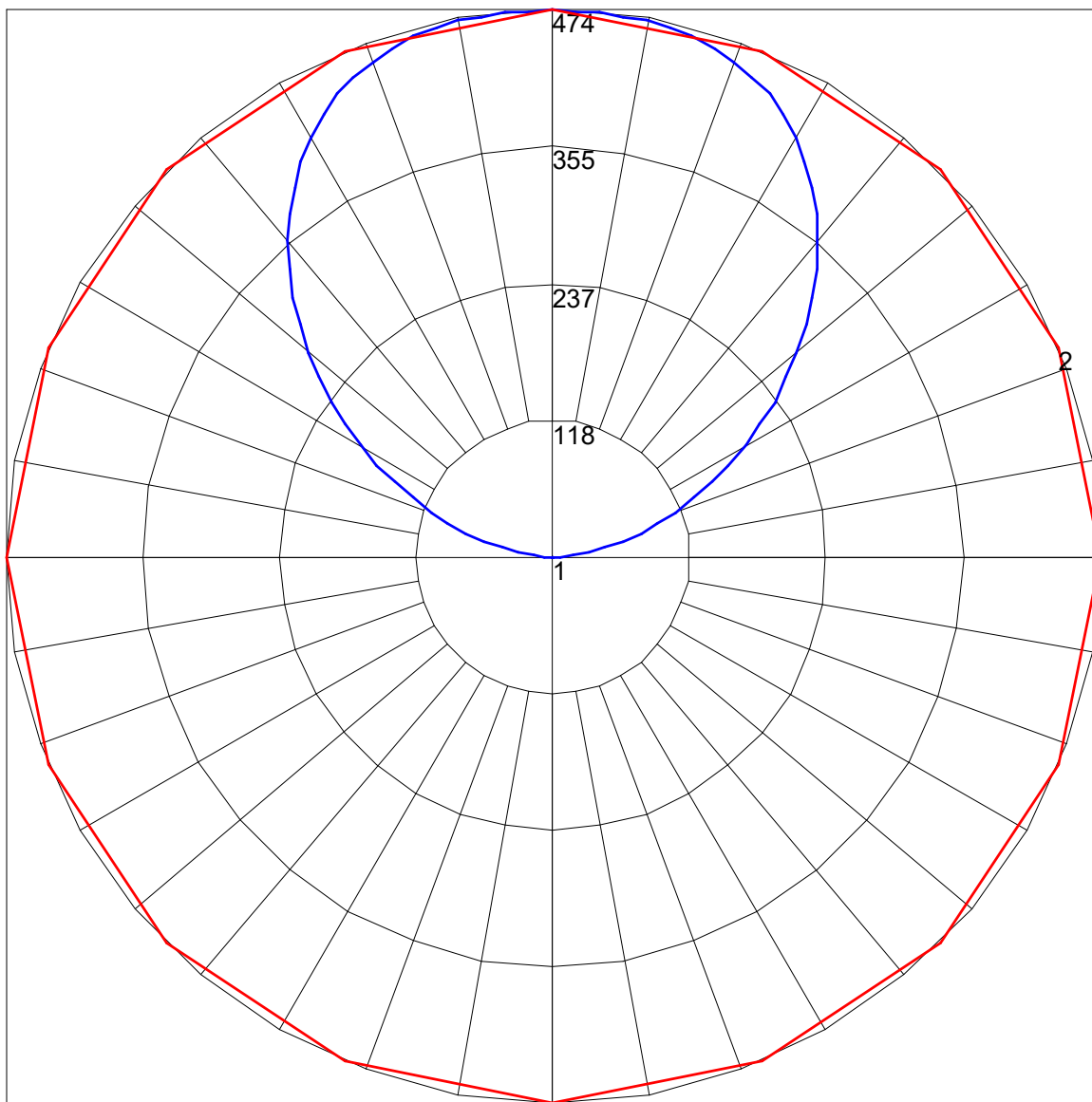
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	27	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 = 473.88 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.)