

IES INDOOR REPORT

PHOTOMETRIC FILENAME : P3936-48-60-LO-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-LO

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	727
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	6
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	3.84	3.66	3.66	3.36	3.24	3.36	3.66	3.66	3.84	3.66
95.0	9.36	9.12	9.00	8.70	8.64	8.70	9.00	9.12	9.36	9.12
97.5	16.50	16.20	16.02	15.84	15.72	15.84	16.02	16.20	16.50	16.20
100.0	24.54	24.36	24.30	24.24	24.36	24.24	24.30	24.36	24.54	24.36
102.5	33.54	33.36	33.54	33.48	33.60	33.48	33.54	33.36	33.54	33.36
105.0	42.66	42.54	42.72	42.72	42.72	42.72	42.72	42.54	42.66	42.54
107.5	51.96	51.90	52.20	52.20	52.32	52.20	52.20	51.90	51.96	51.90
110.0	61.74	61.74	61.98	62.10	62.10	62.10	61.98	61.74	61.74	61.74
112.5	72.06	71.94	72.18	72.36	72.48	72.36	72.18	71.94	72.06	71.94
115.0	82.80	82.62	82.86	83.04	83.28	83.04	82.86	82.62	82.80	82.62
117.5	93.78	93.60	93.90	93.96	94.26	93.96	93.90	93.60	93.78	93.60
120.0	104.88	104.64	105.00	105.06	105.36	105.06	105.00	104.64	104.88	104.64
122.5	116.10	115.92	116.10	116.40	116.58	116.40	116.10	115.92	116.10	115.92
125.0	127.50	127.44	127.44	127.86	127.92	127.86	127.44	127.44	127.50	127.44
127.5	139.08	139.02	138.96	139.38	139.44	139.38	138.96	139.02	139.08	139.02
130.0	150.78	150.60	150.66	150.90	151.02	150.90	150.66	150.60	150.78	150.60
132.5	162.30	162.18	162.18	162.36	162.48	162.36	162.18	162.18	162.30	162.18

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CANDELA TABULATION - (Cont.)

135.0	173.52	173.46	173.34	173.58	173.64	173.58	173.34	173.46	173.52	173.46
137.5	184.32	184.20	184.08	184.26	184.26	184.26	184.08	184.20	184.32	184.20
140.0	194.70	194.52	194.34	194.64	194.46	194.64	194.34	194.52	194.70	194.52
142.5	204.54	204.36	204.24	204.36	204.24	204.36	204.24	204.36	204.54	204.36
145.0	213.72	213.54	213.42	213.48	213.36	213.48	213.42	213.54	213.72	213.54
147.5	222.00	221.82	221.76	221.64	221.58	221.64	221.76	221.82	222.00	221.82
150.0	229.32	229.20	229.02	229.02	228.78	229.02	229.02	229.20	229.32	229.20
152.5	235.80	235.68	235.44	235.44	235.20	235.44	235.44	235.68	235.80	235.68
155.0	241.32	241.20	240.96	241.02	240.72	241.02	240.96	241.20	241.32	241.20
157.5	245.94	245.76	245.58	245.58	245.34	245.58	245.58	245.76	245.94	245.76
160.0	249.66	249.48	249.30	249.30	249.06	249.30	249.30	249.48	249.66	249.48
162.5	252.48	252.36	252.18	252.18	252.00	252.18	252.18	252.36	252.48	252.36
165.0	254.58	254.46	254.34	254.34	254.10	254.34	254.34	254.46	254.58	254.46
167.5	256.14	255.96	255.90	255.90	255.66	255.90	255.90	255.96	256.14	255.96
170.0	257.22	257.10	256.98	257.04	256.80	257.04	256.98	257.10	257.22	257.10
172.5	257.94	257.88	257.76	257.88	257.58	257.88	257.76	257.88	257.94	257.88
175.0	258.30	258.24	258.18	258.30	258.12	258.30	258.18	258.24	258.30	258.24
177.5	258.48	258.48	258.42	258.48	258.30	258.48	258.42	258.48	258.48	258.48
180.0	258.48	258.48	258.48	258.48	258.48	258.48	258.48	258.48	258.48	258.48

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	3.66	3.36	3.24	3.36	3.66	3.66	3.84
95.0	9.00	8.70	8.64	8.70	9.00	9.12	9.36
97.5	16.02	15.84	15.72	15.84	16.02	16.20	16.50
100.0	24.30	24.24	24.36	24.24	24.30	24.36	24.54
102.5	33.54	33.48	33.60	33.48	33.54	33.36	33.54
105.0	42.72	42.72	42.72	42.72	42.72	42.54	42.66
107.5	52.20	52.20	52.32	52.20	52.20	51.90	51.96
110.0	61.98	62.10	62.10	62.10	61.98	61.74	61.74
112.5	72.18	72.36	72.48	72.36	72.18	71.94	72.06
115.0	82.86	83.04	83.28	83.04	82.86	82.62	82.80
117.5	93.90	93.96	94.26	93.96	93.90	93.60	93.78
120.0	105.00	105.06	105.36	105.06	105.00	104.64	104.88
122.5	116.10	116.40	116.58	116.40	116.10	115.92	116.10
125.0	127.44	127.86	127.92	127.86	127.44	127.44	127.50
127.5	138.96	139.38	139.44	139.38	138.96	139.02	139.08
130.0	150.66	150.90	151.02	150.90	150.66	150.60	150.78
132.5	162.18	162.36	162.48	162.36	162.18	162.18	162.30
135.0	173.34	173.58	173.64	173.58	173.34	173.46	173.52
137.5	184.08	184.26	184.26	184.26	184.08	184.20	184.32
140.0	194.34	194.64	194.46	194.64	194.34	194.52	194.70
142.5	204.24	204.36	204.24	204.36	204.24	204.36	204.54
145.0	213.42	213.48	213.36	213.48	213.42	213.54	213.72
147.5	221.76	221.64	221.58	221.64	221.76	221.82	222.00
150.0	229.02	229.02	228.78	229.02	229.02	229.20	229.32
152.5	235.44	235.44	235.20	235.44	235.44	235.68	235.80
155.0	240.96	241.02	240.72	241.02	240.96	241.20	241.32
157.5	245.58	245.58	245.34	245.58	245.58	245.76	245.94
160.0	249.30	249.30	249.06	249.30	249.30	249.48	249.66
162.5	252.18	252.18	252.00	252.18	252.18	252.36	252.48
165.0	254.34	254.34	254.10	254.34	254.34	254.46	254.58
167.5	255.90	255.90	255.66	255.90	255.90	255.96	256.14
170.0	256.98	257.04	256.80	257.04	256.98	257.10	257.22
172.5	257.76	257.88	257.58	257.88	257.76	257.88	257.94
175.0	258.18	258.30	258.12	258.30	258.18	258.24	258.30
177.5	258.42	258.48	258.30	258.48	258.42	258.48	258.48
180.0	258.48	258.48	258.48	258.48	258.48	258.48	258.48

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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	56.26	N.A.	7.70
90-120	138.47	N.A.	19.00
90-130	252.65	N.A.	34.80
90-150	519.57	N.A.	71.50
90-180	727.04	N.A.	100.00
110-180	670.77	N.A.	92.30
0-180	727.04	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	11.07
100-110	45.19
110-120	82.21
120-130	114.18
130-140	133.64
140-150	133.29
150-160	110.98
160-170	71.87
170-180	24.61

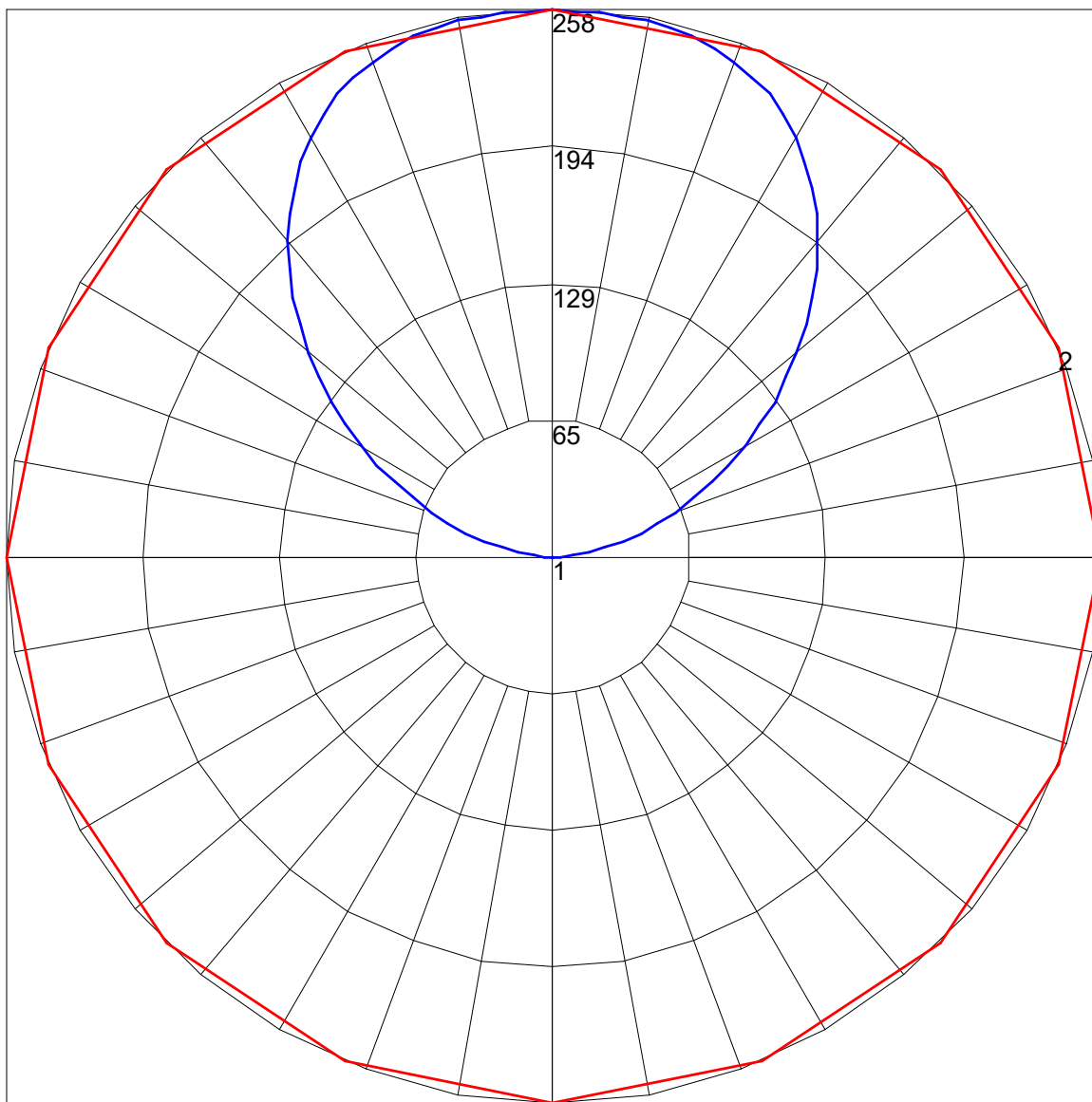
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 258.48 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.)