

IES INDOOR REPORT**PHOTOMETRIC FILENAME : P3936-48-60-HO-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-HO

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2605
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	25
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	13.760	13.115	13.115	12.040	11.610	12.040	13.115	13.115	13.760	13.115
95.0	33.540	32.680	32.250	31.175	30.960	31.175	32.250	32.680	33.540	32.680
97.5	59.125	58.050	57.405	56.760	56.330	56.760	57.405	58.050	59.125	58.050
100.0	87.935	87.290	87.075	86.860	87.290	86.860	87.075	87.290	87.935	87.290
102.5	120.185	119.540	120.185	119.970	120.400	119.970	120.185	119.540	120.185	119.540
105.0	152.865	152.435	153.080	153.080	153.080	153.080	153.080	152.435	152.865	152.435
107.5	186.190	185.975	187.050	187.050	187.480	187.050	187.050	185.975	186.190	185.975
110.0	221.235	221.235	222.095	222.525	222.525	222.525	222.095	221.235	221.235	221.235
112.5	258.215	257.785	258.645	259.290	259.720	259.290	258.645	257.785	258.215	257.785
115.0	296.700	296.055	296.915	297.560	298.420	297.560	296.915	296.055	296.700	296.055
117.5	336.045	335.400	336.475	336.690	337.765	336.690	336.475	335.400	336.045	335.400
120.0	375.820	374.960	376.250	376.465	377.540	376.465	376.250	374.960	375.820	374.960
122.5	416.025	415.380	416.025	417.100	417.745	417.100	416.025	415.380	416.025	415.380
125.0	456.875	456.660	456.660	458.165	458.380	458.165	456.660	456.660	456.875	456.660
127.5	498.370	498.155	497.940	499.445	499.660	499.445	497.940	498.155	498.370	498.155
130.0	540.295	539.650	539.865	540.725	541.155	540.725	539.865	539.650	540.295	539.650
132.5	581.575	581.145	581.145	581.790	582.220	581.790	581.145	581.145	581.575	581.145

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PHOTOMETRIC FILENAME : P3936-48-60-HO-D9.IES

CANDELA TABULATION - (Cont.)

135.0	621.780	621.565	621.135	621.995	622.210	621.995	621.135	621.565	621.780	621.565
137.5	660.480	660.050	659.620	660.265	660.265	660.265	659.620	660.050	660.480	660.050
140.0	697.675	697.030	696.385	697.460	696.815	697.460	696.385	697.030	697.675	697.030
142.5	732.935	732.290	731.860	732.290	731.860	732.290	731.860	732.290	732.935	732.290
145.0	765.830	765.185	764.755	764.970	764.540	764.970	764.755	765.185	765.830	765.185
147.5	795.500	794.855	794.640	794.210	793.995	794.210	794.640	794.855	795.500	794.855
150.0	821.730	821.300	820.655	820.655	819.795	820.655	820.655	821.300	821.730	821.300
152.5	844.950	844.520	843.660	843.660	842.800	843.660	843.660	844.520	844.950	844.520
155.0	864.730	864.300	863.440	863.655	862.580	863.655	863.440	864.300	864.730	864.300
157.5	881.285	880.640	879.995	879.995	879.135	879.995	879.995	880.640	881.285	880.640
160.0	894.615	893.970	893.325	893.325	892.465	893.325	893.325	893.970	894.615	893.970
162.5	904.720	904.290	903.645	903.645	903.000	903.645	903.645	904.290	904.720	904.290
165.0	912.245	911.815	911.385	911.385	910.525	911.385	911.385	911.815	912.245	911.815
167.5	917.835	917.190	916.975	916.975	916.115	916.975	916.975	917.190	917.835	917.190
170.0	921.705	921.275	920.845	921.060	920.200	921.060	920.845	921.275	921.705	921.275
172.5	924.285	924.070	923.640	924.070	922.995	924.070	923.640	924.070	924.285	924.070
175.0	925.575	925.360	925.145	925.575	924.930	925.575	925.145	925.360	925.575	925.360
177.5	926.220	926.220	926.005	926.220	925.575	926.220	926.005	926.220	926.220	926.220
180.0	926.220	926.220	926.220	926.220	926.220	926.220	926.220	926.220	926.220	926.220

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P3936-48-60-HO-D9.IES

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	13.115	12.040	11.610	12.040	13.115	13.115	13.760
95.0	32.250	31.175	30.960	31.175	32.250	32.680	33.540
97.5	57.405	56.760	56.330	56.760	57.405	58.050	59.125
100.0	87.075	86.860	87.290	86.860	87.075	87.290	87.935
102.5	120.185	119.970	120.400	119.970	120.185	119.540	120.185
105.0	153.080	153.080	153.080	153.080	153.080	152.435	152.865
107.5	187.050	187.050	187.480	187.050	187.050	185.975	186.190
110.0	222.095	222.525	222.525	222.525	222.095	221.235	221.235
112.5	258.645	259.290	259.720	259.290	258.645	257.785	258.215
115.0	296.915	297.560	298.420	297.560	296.915	296.055	296.700
117.5	336.475	336.690	337.765	336.690	336.475	335.400	336.045
120.0	376.250	376.465	377.540	376.465	376.250	374.960	375.820
122.5	416.025	417.100	417.745	417.100	416.025	415.380	416.025
125.0	456.660	458.165	458.380	458.165	456.660	456.660	456.875
127.5	497.940	499.445	499.660	499.445	497.940	498.155	498.370
130.0	539.865	540.725	541.155	540.725	539.865	539.650	540.295
132.5	581.145	581.790	582.220	581.790	581.145	581.145	581.575
135.0	621.135	621.995	622.210	621.995	621.135	621.565	621.780
137.5	659.620	660.265	660.265	660.265	659.620	660.050	660.480
140.0	696.385	697.460	696.815	697.460	696.385	697.030	697.675
142.5	731.860	732.290	731.860	732.290	731.860	732.290	732.935
145.0	764.755	764.970	764.540	764.970	764.755	765.185	765.830
147.5	794.640	794.210	793.995	794.210	794.640	794.855	795.500
150.0	820.655	820.655	819.795	820.655	820.655	821.300	821.730
152.5	843.660	843.660	842.800	843.660	843.660	844.520	844.950
155.0	863.440	863.655	862.580	863.655	863.440	864.300	864.730
157.5	879.995	879.995	879.135	879.995	879.995	880.640	881.285
160.0	893.325	893.325	892.465	893.325	893.325	893.970	894.615
162.5	903.645	903.645	903.000	903.645	903.645	904.290	904.720
165.0	911.385	911.385	910.525	911.385	911.385	911.815	912.245
167.5	916.975	916.975	916.115	916.975	916.975	917.190	917.835
170.0	920.845	921.060	920.200	921.060	920.845	921.275	921.705
172.5	923.640	924.070	922.995	924.070	923.640	924.070	924.285
175.0	925.145	925.575	924.930	925.575	925.145	925.360	925.575
177.5	926.005	926.220	925.575	926.220	926.005	926.220	926.220
180.0	926.220	926.220	926.220	926.220	926.220	926.220	926.220

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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	201.60	N.A.	7.70
90-120	496.20	N.A.	19.00
90-130	905.34	N.A.	34.80
90-150	1861.8	N.A.	71.50
90-180	2605.21	N.A.	100.00
110-180	2403.61	N.A.	92.30
0-180	2605.21	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	39.68
100-110	161.92
110-120	294.59
120-130	409.14
130-140	478.86
140-150	477.61
150-160	397.67
160-170	257.54
170-180	88.20

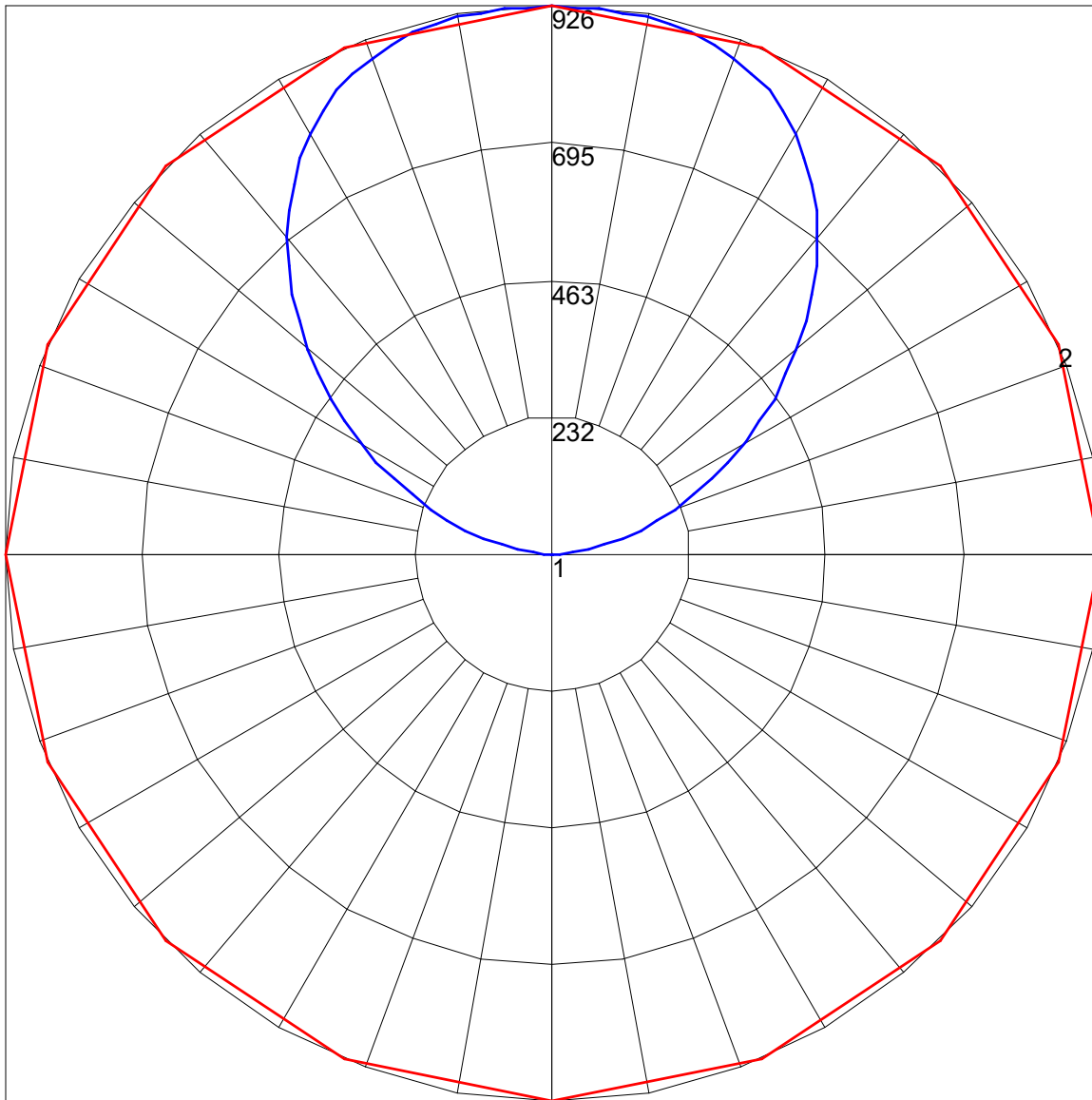
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PHOTOMETRIC FILENAME : P3936-48-60-HO-D9.IES

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	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 = 926.22 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.)