



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P43P-REG3-LED4-SO-04-AWW-D1G.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L091403201
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 10/6/2014
 [MANUFAC] PRUDENTIAL LIGHTING
 [LUMCAT] P43P-REG3-LED4-SO-04-AWW-D1G-SC
 [LUMINAIRE] 4-1/8"L X 48-1/8"W X 8"H. LED LUMINAIRE
 [MORE] PRISMATIC LENS
 [BALLASTCAT] OSRAM
 [BALLAST] INPUT: 120-277VAC
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3077
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.80
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	0.78
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.32 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9526	9647	11852
55	9114	8845	8755
65	9611	8841	6489
75	11522	9734	4371
85	22418	16912	1966

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08
5	2117.52	2117.52	2119.56	2123.64	2127.72	2133.84	2144.04	2154.24	2164.44	2178.72
10	1882.92	1882.92	1884.96	1889.04	1897.20	1909.44	1927.80	1946.16	1968.60	1993.08
15	1674.84	1676.88	1674.84	1680.96	1691.16	1705.44	1721.76	1742.16	1766.64	1795.20
20	1487.16	1489.20	1485.12	1493.28	1503.48	1515.72	1530.00	1548.36	1570.80	1599.36
25	1313.76	1313.76	1311.72	1317.84	1328.04	1336.20	1348.44	1366.80	1387.20	1411.68
30	1162.80	1160.76	1160.76	1164.84	1168.92	1177.08	1185.24	1197.48	1213.80	1236.24
35	1028.16	1026.12	1026.12	1028.16	1032.24	1038.36	1042.44	1050.60	1062.84	1077.12
40	907.80	905.76	905.76	905.76	909.84	911.88	915.96	920.04	928.20	938.40
45	801.72	799.68	799.68	799.68	799.68	801.72	801.72	803.76	807.84	811.92
50	703.80	705.84	703.80	701.76	701.76	701.76	701.76	701.76	699.72	701.76
55	622.20	622.20	620.16	618.12	616.08	616.08	612.00	609.96	605.88	603.84
60	554.88	552.84	552.84	550.80	548.76	544.68	542.64	538.56	532.44	524.28
65	483.48	483.48	481.44	479.40	475.32	471.24	467.16	461.04	454.92	444.72
70	418.20	418.20	416.16	412.08	408.00	401.88	393.72	387.60	379.44	371.28
75	354.96	352.92	352.92	348.84	342.72	336.60	330.48	320.28	310.08	299.88
80	291.72	291.72	289.68	285.60	281.52	275.40	267.24	259.08	246.84	236.64
85	232.56	232.56	230.52	226.44	220.32	214.20	206.04	195.84	185.64	175.44
90	165.24	165.24	163.20	159.12	155.04	150.96	142.80	134.64	126.48	116.28
95	132.60	132.60	130.56	128.52	124.44	120.36	114.24	106.08	97.92	89.76
100	108.12	108.12	106.08	104.04	102.00	95.88	91.80	83.64	77.52	69.36
105	87.72	85.68	85.68	83.64	79.56	75.48	71.40	65.28	59.16	55.08
110	67.32	67.32	65.28	63.24	61.20	57.12	55.08	46.92	40.80	32.64
115	48.96	48.96	48.96	46.92	42.84	40.80	36.72	28.56	26.52	20.40
120	32.64	32.64	30.60	30.60	26.52	24.48	20.40	16.32	14.28	12.24
125	16.32	16.32	14.28	14.28	12.24	12.24	10.20	12.24	12.24	10.20
130	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	50	55	60	65	70	75	80	85	90	95
0	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08
5	2190.96	2205.24	2217.48	2227.68	2237.88	2244.00	2254.20	2262.36	2270.52	2276.64
10	2019.60	2050.20	2080.80	2111.40	2139.96	2164.44	2186.88	2203.20	2217.48	2223.60
15	1827.84	1866.60	1909.44	1954.32	2001.24	2046.12	2086.92	2111.40	2127.72	2123.64
20	1634.04	1674.84	1723.80	1778.88	1838.04	1901.28	1956.36	1991.04	2007.36	1986.96
25	1444.32	1483.08	1532.04	1591.20	1660.56	1731.96	1799.28	1840.08	1852.32	1815.60
30	1262.76	1297.44	1342.32	1399.44	1468.80	1546.32	1615.68	1658.52	1664.64	1613.64
35	1097.52	1124.04	1162.80	1211.76	1277.04	1350.48	1417.80	1450.44	1450.44	1393.32
40	952.68	971.04	997.56	1038.36	1091.40	1156.68	1209.72	1230.12	1224.00	1160.76
45	822.12	834.36	852.72	881.28	922.08	971.04	1005.72	1011.84	997.56	932.28
50	703.80	709.92	722.16	742.56	769.08	797.64	811.92	803.76	783.36	722.16
55	601.80	601.80	605.88	616.08	632.40	644.64	642.60	624.24	597.72	542.64
60	520.20	516.12	516.12	518.16	524.28	524.28	514.08	487.56	456.96	399.84

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CANDELA TABULATION - (Cont.)

65	434.52	426.36	420.24	418.20	414.12	403.92	373.32	357.00	326.40	273.36
70	359.04	346.80	334.56	326.40	316.20	299.88	277.44	250.92	220.32	171.36
75	287.64	275.40	259.08	244.80	230.52	212.16	187.68	163.20	134.64	93.84
80	222.36	208.08	193.80	177.48	159.12	138.72	116.28	91.80	79.56	40.80
85	161.16	148.92	132.60	116.28	99.96	83.64	71.40	42.84	20.40	16.32
90	106.08	93.84	81.60	69.36	61.20	42.84	26.52	20.40	10.20	10.20
95	79.56	69.36	63.24	46.92	36.72	22.44	18.36	12.24	0.00	0.00
100	59.16	55.08	40.80	28.56	22.44	16.32	12.24	10.20	0.00	0.00
105	42.84	34.68	22.44	18.36	14.28	12.24	10.20	0.00	0.00	0.00
110	28.56	20.40	16.32	12.24	12.24	10.20	0.00	0.00	0.00	0.00
115	16.32	12.24	12.24	12.24	10.20	0.00	0.00	0.00	0.00	0.00
120	12.24	12.24	10.20	10.20	0.00	0.00	0.00	0.00	0.00	0.00
125	10.20	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	100	105	110	115	120	125	130	135	140	145
0	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08
5	2276.64	2270.52	2262.36	2244.00	2225.64	2195.04	2170.56	2142.00	2111.40	2091.00
10	2207.28	2164.44	2105.28	2037.96	1966.56	1897.20	1823.76	1750.32	1678.92	1609.56
15	2070.60	1980.84	1876.80	1766.64	1646.28	1521.84	1401.48	1293.36	1195.44	1109.76
20	1895.16	1768.68	1627.92	1470.84	1313.76	1164.84	1030.20	901.68	777.24	683.40
25	1695.24	1548.36	1372.92	1197.48	1028.16	850.68	691.56	571.20	491.64	426.36
30	1485.12	1323.96	1144.44	964.92	750.72	593.64	461.04	357.00	328.44	293.76
35	1266.84	1111.80	940.44	722.16	544.68	397.80	295.80	269.28	234.60	208.08
40	1048.56	911.88	726.24	536.52	330.48	281.52	226.44	189.72	163.20	140.76
45	834.36	718.08	546.72	318.24	261.12	197.88	157.08	126.48	106.08	91.80
50	634.44	524.28	312.12	250.92	179.52	130.56	99.96	81.60	67.32	59.16
55	463.08	293.76	238.68	165.24	112.20	81.60	69.36	46.92	26.52	18.36
60	277.44	226.44	155.04	102.00	81.60	48.96	22.44	16.32	14.28	12.24
65	197.88	132.60	83.64	65.28	24.48	16.32	14.28	14.28	12.24	0.00
70	112.20	85.68	40.80	16.32	14.28	14.28	12.24	12.24	0.00	0.00
75	69.36	20.40	14.28	14.28	12.24	12.24	0.00	0.00	0.00	0.00
80	16.32	14.28	12.24	12.24	0.00	0.00	0.00	0.00	0.00	0.00
85	12.24	12.24	10.20	10.20	0.00	0.00	0.00	0.00	0.00	0.00
90	10.20	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	150	155	160	165	170	175	180
0	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08	2299.08
5	2066.52	2044.08	2027.76	2017.56	2005.32	2001.24	1997.16
10	1550.40	1499.40	1456.56	1423.92	1401.48	1387.20	1383.12
15	1036.32	977.16	922.08	877.20	844.56	824.16	816.00
20	612.00	554.88	516.12	491.64	471.24	463.08	461.04
25	371.28	354.96	336.60	322.32	312.12	308.04	306.00
30	269.28	252.96	236.64	226.44	218.28	214.20	212.16
35	187.68	173.40	161.16	150.96	146.88	142.80	142.80
40	126.48	114.24	106.08	99.96	95.88	93.84	91.80
45	81.60	73.44	67.32	61.20	57.12	55.08	55.08
50	44.88	32.64	28.56	22.44	16.32	12.24	12.24
55	12.24	12.24	12.24	12.24	12.24	10.20	10.20
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	651.89	N.A.	21.20
0-30	1185.9	N.A.	38.50
0-40	1706.7	N.A.	55.50
0-60	2492.13	N.A.	81.00
0-80	2899.13	N.A.	94.20
0-90	2989.12	N.A.	97.10
10-90	2790.55	N.A.	90.70
20-40	1054.81	N.A.	34.30
20-50	1499.18	N.A.	48.70
40-70	1031.95	N.A.	33.50
60-80	407.00	N.A.	13.20
70-80	160.48	N.A.	5.20
80-90	89.99	N.A.	2.90
90-110	71.06	N.A.	2.30
90-120	83.17	N.A.	2.70
90-130	87.20	N.A.	2.80
90-150	87.69	N.A.	2.90
90-180	87.69	N.A.	2.90
110-180	16.63	N.A.	0.50
0-180	3076.81	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	198.57
10-20	453.32
20-30	534.02
30-40	520.80
40-50	444.37
50-60	341.07
60-70	246.52
70-80	160.48
80-90	89.99
90-100	45.45
100-110	25.61
110-120	12.11
120-130	4.03
130-140	0.49
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

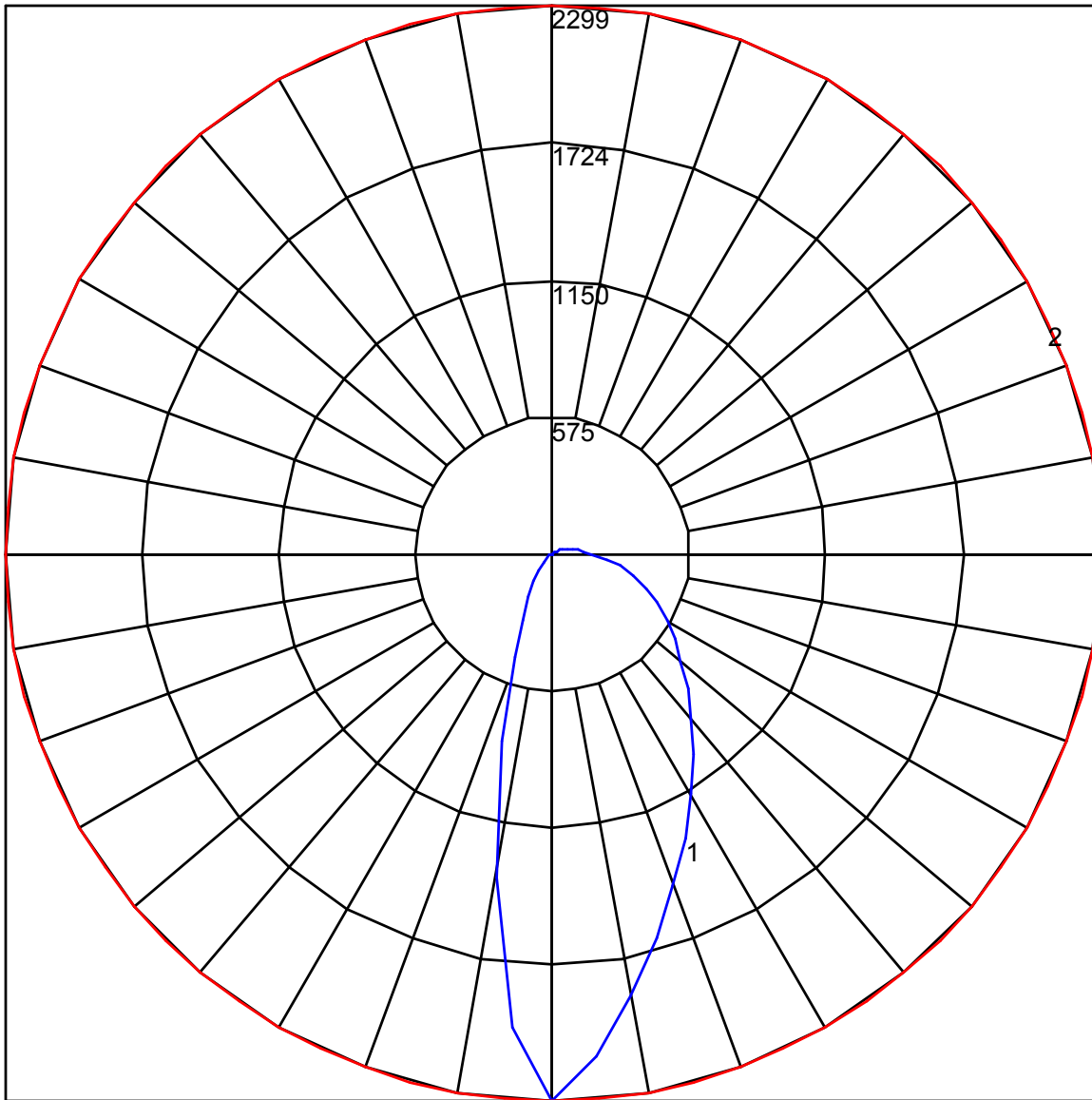
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	93	90	88	89	87	85	83
2	100	93	86	81	97	91	85	80	87	82	78	83	79	76	80	76	74	71
3	93	83	76	70	90	81	74	69	78	72	67	75	70	66	72	68	64	62
4	86	75	67	61	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	80	68	60	54	78	67	59	54	64	58	53	62	56	52	60	55	51	49
6	74	62	54	48	72	61	54	48	59	52	47	57	51	47	56	50	46	44
7	70	57	49	44	68	56	49	43	55	48	43	53	47	43	52	46	42	40
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	43	39	37
9	62	49	42	37	60	49	41	36	47	41	36	46	40	36	45	39	36	34
10	58	46	39	34	57	45	38	34	44	38	33	43	37	33	42	37	33	31

POLAR GRAPH



Maximum Candela = 2299.08 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)