



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P43P-REG3-LED4-HO-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-HO-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	3590
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	47
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	11113	11255	13828
55	10633	10319	10214
65	11213	10314	7570
75	13443	11357	5099
85	26154	19730	2294

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26
5	2470.44	2470.44	2472.82	2477.58	2482.34	2489.48	2501.38	2513.28	2525.18	2541.84
10	2196.74	2196.74	2199.12	2203.88	2213.40	2227.68	2249.10	2270.52	2296.70	2325.26
15	1953.98	1956.36	1953.98	1961.12	1973.02	1989.68	2008.72	2032.52	2061.08	2094.40
20	1735.02	1737.40	1732.64	1742.16	1754.06	1768.34	1785.00	1806.42	1832.60	1865.92
25	1532.72	1532.72	1530.34	1537.48	1549.38	1558.90	1573.18	1594.60	1618.40	1646.96
30	1356.60	1354.22	1354.22	1358.98	1363.74	1373.26	1382.78	1397.06	1416.10	1442.28
35	1199.52	1197.14	1197.14	1199.52	1204.28	1211.42	1216.18	1225.70	1239.98	1256.64
40	1059.10	1056.72	1056.72	1056.72	1061.48	1063.86	1068.62	1073.38	1082.90	1094.80
45	935.34	932.96	932.96	932.96	932.96	935.34	935.34	937.72	942.48	947.24
50	821.10	823.48	821.10	818.72	818.72	818.72	818.72	818.72	816.34	818.72
55	725.90	725.90	723.52	721.14	718.76	718.76	714.00	711.62	706.86	704.48
60	647.36	644.98	644.98	642.60	640.22	635.46	633.08	628.32	621.18	611.66
65	564.06	564.06	561.68	559.30	554.54	549.78	545.02	537.88	530.74	518.84
70	487.90	487.90	485.52	480.76	476.00	468.86	459.34	452.20	442.68	433.16
75	414.12	411.74	411.74	406.98	399.84	392.70	385.56	373.66	361.76	349.86
80	340.34	340.34	337.96	333.20	328.44	321.30	311.78	302.26	287.98	276.08
85	271.32	271.32	268.94	264.18	257.04	249.90	240.38	228.48	216.58	204.68
90	192.78	192.78	190.40	185.64	180.88	176.12	166.60	157.08	147.56	135.66
95	154.70	154.70	152.32	149.94	145.18	140.42	133.28	123.76	114.24	104.72
100	126.14	126.14	123.76	121.38	119.00	111.86	107.10	97.58	90.44	80.92
105	102.34	99.96	99.96	97.58	92.82	88.06	83.30	76.16	69.02	64.26
110	78.54	78.54	76.16	73.78	71.40	66.64	64.26	54.74	47.60	38.08
115	57.12	57.12	57.12	54.74	49.98	47.60	42.84	33.32	30.94	23.80
120	38.08	38.08	35.70	35.70	30.94	28.56	23.80	19.04	16.66	14.28
125	19.04	19.04	16.66	16.66	14.28	14.28	11.90	14.28	14.28	11.90
130	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	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	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26
5	2556.12	2572.78	2587.06	2598.96	2610.86	2618.00	2629.90	2639.42	2648.94	2656.08
10	2356.20	2391.90	2427.60	2463.30	2496.62	2525.18	2551.36	2570.40	2587.06	2594.20
15	2132.48	2177.70	2227.68	2280.04	2334.78	2387.14	2434.74	2463.30	2482.34	2477.58
20	1906.38	1953.98	2011.10	2075.36	2144.38	2218.16	2282.42	2322.88	2341.92	2318.12
25	1685.04	1730.26	1787.38	1856.40	1937.32	2020.62	2099.16	2146.76	2161.04	2118.20
30	1473.22	1513.68	1566.04	1632.68	1713.60	1804.04	1884.96	1934.94	1942.08	1882.58
35	1280.44	1311.38	1356.60	1413.72	1489.88	1575.56	1654.10	1692.18	1692.18	1625.54
40	1111.46	1132.88	1163.82	1211.42	1273.30	1349.46	1411.34	1435.14	1428.00	1354.22
45	959.14	973.42	994.84	1028.16	1075.76	1132.88	1173.34	1180.48	1163.82	1087.66
50	821.10	828.24	842.52	866.32	897.26	930.58	947.24	937.72	913.92	842.52
55	702.10	702.10	706.86	718.76	737.80	752.08	749.70	728.28	697.34	633.08
60	606.90	602.14	602.14	604.52	611.66	611.66	599.76	568.82	533.12	466.48

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CANDELA TABULATION - (Cont.)

65	506.94	497.42	490.28	487.90	483.14	471.24	435.54	416.50	380.80	318.92
70	418.88	404.60	390.32	380.80	368.90	349.86	323.68	292.74	257.04	199.92
75	335.58	321.30	302.26	285.60	268.94	247.52	218.96	190.40	157.08	109.48
80	259.42	242.76	226.10	207.06	185.64	161.84	135.66	107.10	92.82	47.60
85	188.02	173.74	154.70	135.66	116.62	97.58	83.30	49.98	23.80	19.04
90	123.76	109.48	95.20	80.92	71.40	49.98	30.94	23.80	11.90	11.90
95	92.82	80.92	73.78	54.74	42.84	26.18	21.42	14.28	0.00	0.00
100	69.02	64.26	47.60	33.32	26.18	19.04	14.28	11.90	0.00	0.00
105	49.98	40.46	26.18	21.42	16.66	14.28	11.90	0.00	0.00	0.00
110	33.32	23.80	19.04	14.28	14.28	11.90	0.00	0.00	0.00	0.00
115	19.04	14.28	14.28	14.28	11.90	0.00	0.00	0.00	0.00	0.00
120	14.28	14.28	11.90	11.90	0.00	0.00	0.00	0.00	0.00	0.00
125	11.90	11.90	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	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26
5	2656.08	2648.94	2639.42	2618.00	2596.58	2560.88	2532.32	2499.00	2463.30	2439.50
10	2575.16	2525.18	2456.16	2377.62	2294.32	2213.40	2127.72	2042.04	1958.74	1877.82
15	2415.70	2310.98	2189.60	2061.08	1920.66	1775.48	1635.06	1508.92	1394.68	1294.72
20	2211.02	2063.46	1899.24	1715.98	1532.72	1358.98	1201.90	1051.96	906.78	797.30
25	1977.78	1806.42	1601.74	1397.06	1199.52	992.46	806.82	666.40	573.58	497.42
30	1732.64	1544.62	1335.18	1125.74	875.84	692.58	537.88	416.50	383.18	342.72
35	1477.98	1297.10	1097.18	842.52	635.46	464.10	345.10	314.16	273.70	242.76
40	1223.32	1063.86	847.28	625.94	385.56	328.44	264.18	221.34	190.40	164.22
45	973.42	837.76	637.84	371.28	304.64	230.86	183.26	147.56	123.76	107.10
50	740.18	611.66	364.14	292.74	209.44	152.32	116.62	95.20	78.54	69.02
55	540.26	342.72	278.46	192.78	130.90	95.20	80.92	54.74	30.94	21.42
60	323.68	264.18	180.88	119.00	95.20	57.12	26.18	19.04	16.66	14.28
65	230.86	154.70	97.58	76.16	28.56	19.04	16.66	16.66	14.28	0.00
70	130.90	99.96	47.60	19.04	16.66	16.66	14.28	14.28	0.00	0.00
75	80.92	23.80	16.66	16.66	14.28	14.28	0.00	0.00	0.00	0.00
80	19.04	16.66	14.28	14.28	0.00	0.00	0.00	0.00	0.00	0.00
85	14.28	14.28	11.90	11.90	0.00	0.00	0.00	0.00	0.00	0.00
90	11.90	11.90	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	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26	2682.26
5	2410.94	2384.76	2365.72	2353.82	2339.54	2334.78	2330.02
10	1808.80	1749.30	1699.32	1661.24	1635.06	1618.40	1613.64
15	1209.04	1140.02	1075.76	1023.40	985.32	961.52	952.00
20	714.00	647.36	602.14	573.58	549.78	540.26	537.88
25	433.16	414.12	392.70	376.04	364.14	359.38	357.00
30	314.16	295.12	276.08	264.18	254.66	249.90	247.52
35	218.96	202.30	188.02	176.12	171.36	166.60	166.60
40	147.56	133.28	123.76	116.62	111.86	109.48	107.10
45	95.20	85.68	78.54	71.40	66.64	64.26	64.26
50	52.36	38.08	33.32	26.18	19.04	14.28	14.28
55	14.28	14.28	14.28	14.28	14.28	11.90	11.90
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	760.53	N.A.	21.20
0-30	1383.55	N.A.	38.50
0-40	1991.15	N.A.	55.50
0-60	2907.49	N.A.	81.00
0-80	3382.32	N.A.	94.20
0-90	3487.31	N.A.	97.20
10-90	3255.64	N.A.	90.70
20-40	1230.62	N.A.	34.30
20-50	1749.04	N.A.	48.70
40-70	1203.94	N.A.	33.50
60-80	474.83	N.A.	13.20
70-80	187.23	N.A.	5.20
80-90	104.99	N.A.	2.90
90-110	82.91	N.A.	2.30
90-120	97.03	N.A.	2.70
90-130	101.74	N.A.	2.80
90-150	102.30	N.A.	2.80
90-180	102.30	N.A.	2.80
110-180	19.40	N.A.	0.50
0-180	3589.61	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	231.66
10-20	528.87
20-30	623.02
30-40	607.60
40-50	518.43
50-60	397.91
60-70	287.60
70-80	187.23
80-90	104.99
90-100	53.03
100-110	29.88
110-120	14.13
120-130	4.70
130-140	0.57
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

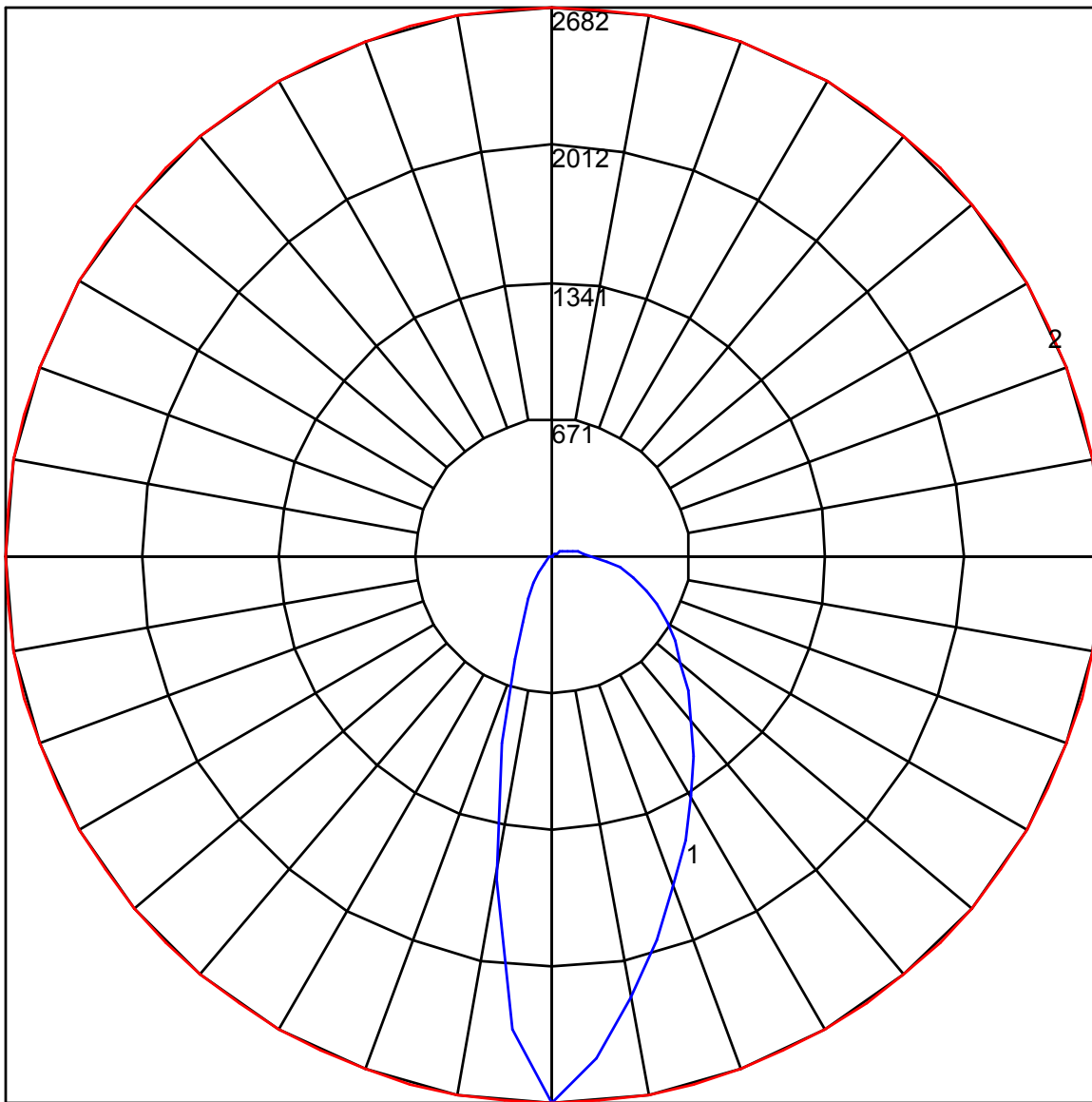
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2682.26 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.)