



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L091403201
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 10/6/2014
 [MANUFACT] PRUDENTIAL LIGHTING
 [LUMCAT] P43P-REG3-LED4-MO-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	2187
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	28
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	6771	6857	8425
55	6478	6287	6223
65	6832	6284	4612
75	8190	6919	3106
85	15934	12021	1398

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P43P-REG3-LED4-MO-04-AWW-D1G.IES

CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15
5	1505.10	1505.10	1506.55	1509.45	1512.35	1516.70	1523.95	1531.20	1538.45	1548.60
10	1338.35	1338.35	1339.80	1342.70	1348.50	1357.20	1370.25	1383.30	1399.25	1416.65
15	1190.45	1191.90	1190.45	1194.80	1202.05	1212.20	1223.80	1238.30	1255.70	1276.00
20	1057.05	1058.50	1055.60	1061.40	1068.65	1077.35	1087.50	1100.55	1116.50	1136.80
25	933.80	933.80	932.35	936.70	943.95	949.75	958.45	971.50	986.00	1003.40
30	826.50	825.05	825.05	827.95	830.85	836.65	842.45	851.15	862.75	878.70
35	730.80	729.35	729.35	730.80	733.70	738.05	740.95	746.75	755.45	765.60
40	645.25	643.80	643.80	643.80	646.70	648.15	651.05	653.95	659.75	667.00
45	569.85	568.40	568.40	568.40	568.40	569.85	569.85	571.30	574.20	577.10
50	500.25	501.70	500.25	498.80	498.80	498.80	498.80	498.80	497.35	498.80
55	442.25	442.25	440.80	439.35	437.90	437.90	435.00	433.55	430.65	429.20
60	394.40	392.95	392.95	391.50	390.05	387.15	385.70	382.80	378.45	372.65
65	343.65	343.65	342.20	340.75	337.85	334.95	332.05	327.70	323.35	316.10
70	297.25	297.25	295.80	292.90	290.00	285.65	279.85	275.50	269.70	263.90
75	252.30	250.85	250.85	247.95	243.60	239.25	234.90	227.65	220.40	213.15
80	207.35	207.35	205.90	203.00	200.10	195.75	189.95	184.15	175.45	168.20
85	165.30	165.30	163.85	160.95	156.60	152.25	146.45	139.20	131.95	124.70
90	117.45	117.45	116.00	113.10	110.20	107.30	101.50	95.70	89.90	82.65
95	94.25	94.25	92.80	91.35	88.45	85.55	81.20	75.40	69.60	63.80
100	76.85	76.85	75.40	73.95	72.50	68.15	65.25	59.45	55.10	49.30
105	62.35	60.90	60.90	59.45	56.55	53.65	50.75	46.40	42.05	39.15
110	47.85	47.85	46.40	44.95	43.50	40.60	39.15	33.35	29.00	23.20
115	34.80	34.80	34.80	33.35	30.45	29.00	26.10	20.30	18.85	14.50
120	23.20	23.20	21.75	21.75	18.85	17.40	14.50	11.60	10.15	8.70
125	11.60	11.60	10.15	10.15	8.70	8.70	7.25	8.70	8.70	7.25
130	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	7.25	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	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15
5	1557.30	1567.45	1576.15	1583.40	1590.65	1595.00	1602.25	1608.05	1613.85	1618.20
10	1435.50	1457.25	1479.00	1500.75	1521.05	1538.45	1554.40	1566.00	1576.15	1580.50
15	1299.20	1326.75	1357.20	1389.10	1422.45	1454.35	1483.35	1500.75	1512.35	1509.45
20	1161.45	1190.45	1225.25	1264.40	1306.45	1351.40	1390.55	1415.20	1426.80	1412.30
25	1026.60	1054.15	1088.95	1131.00	1180.30	1231.05	1278.90	1307.90	1316.60	1290.50
30	897.55	922.20	954.10	994.70	1044.00	1099.10	1148.40	1178.85	1183.20	1146.95
35	780.10	798.95	826.50	861.30	907.70	959.90	1007.75	1030.95	1030.95	990.35
40	677.15	690.20	709.05	738.05	775.75	822.15	859.85	874.35	870.00	825.05
45	584.35	593.05	606.10	626.40	655.40	690.20	714.85	719.20	709.05	662.65
50	500.25	504.60	513.30	527.80	546.65	566.95	577.10	571.30	556.80	513.30
55	427.75	427.75	430.65	437.90	449.50	458.20	456.75	443.70	424.85	385.70
60	369.75	366.85	366.85	368.30	372.65	372.65	365.40	346.55	324.80	284.20

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P43P-REG3-LED4-MO-04-AWW-D1G.IES

CANDELA TABULATION - (Cont.)

65	308.85	303.05	298.70	297.25	294.35	287.10	265.35	253.75	232.00	194.30
70	255.20	246.50	237.80	232.00	224.75	213.15	197.20	178.35	156.60	121.80
75	204.45	195.75	184.15	174.00	163.85	150.80	133.40	116.00	95.70	66.70
80	158.05	147.90	137.75	126.15	113.10	98.60	82.65	65.25	56.55	29.00
85	114.55	105.85	94.25	82.65	71.05	59.45	50.75	30.45	14.50	11.60
90	75.40	66.70	58.00	49.30	43.50	30.45	18.85	14.50	7.25	7.25
95	56.55	49.30	44.95	33.35	26.10	15.95	13.05	8.70	0.00	0.00
100	42.05	39.15	29.00	20.30	15.95	11.60	8.70	7.25	0.00	0.00
105	30.45	24.65	15.95	13.05	10.15	8.70	7.25	0.00	0.00	0.00
110	20.30	14.50	11.60	8.70	8.70	7.25	0.00	0.00	0.00	0.00
115	11.60	8.70	8.70	8.70	7.25	0.00	0.00	0.00	0.00	0.00
120	8.70	8.70	7.25	7.25	0.00	0.00	0.00	0.00	0.00	0.00
125	7.25	7.25	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	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15
5	1618.20	1613.85	1608.05	1595.00	1581.95	1560.20	1542.80	1522.50	1500.75	1486.25
10	1568.90	1538.45	1496.40	1448.55	1397.80	1348.50	1296.30	1244.10	1193.35	1144.05
15	1471.75	1407.95	1334.00	1255.70	1170.15	1081.70	996.15	919.30	849.70	788.80
20	1347.05	1257.15	1157.10	1045.45	933.80	827.95	732.25	640.90	552.45	485.75
25	1204.95	1100.55	975.85	851.15	730.80	604.65	491.55	406.00	349.45	303.05
30	1055.60	941.05	813.45	685.85	533.60	421.95	327.70	253.75	233.45	208.80
35	900.45	790.25	668.45	513.30	387.15	282.75	210.25	191.40	166.75	147.90
40	745.30	648.15	516.20	381.35	234.90	200.10	160.95	134.85	116.00	100.05
45	593.05	510.40	388.60	226.20	185.60	140.65	111.65	89.90	75.40	65.25
50	450.95	372.65	221.85	178.35	127.60	92.80	71.05	58.00	47.85	42.05
55	329.15	208.80	169.65	117.45	79.75	58.00	49.30	33.35	18.85	13.05
60	197.20	160.95	110.20	72.50	58.00	34.80	15.95	11.60	10.15	8.70
65	140.65	94.25	59.45	46.40	17.40	11.60	10.15	10.15	8.70	0.00
70	79.75	60.90	29.00	11.60	10.15	10.15	8.70	8.70	0.00	0.00
75	49.30	14.50	10.15	10.15	8.70	8.70	0.00	0.00	0.00	0.00
80	11.60	10.15	8.70	8.70	0.00	0.00	0.00	0.00	0.00	0.00
85	8.70	8.70	7.25	7.25	0.00	0.00	0.00	0.00	0.00	0.00
90	7.25	7.25	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P43P-REG3-LED4-MO-04-AWW-D1G.IES

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	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15	1634.15
5	1468.85	1452.90	1441.30	1434.05	1425.35	1422.45	1419.55
10	1102.00	1065.75	1035.30	1012.10	996.15	986.00	983.10
15	736.60	694.55	655.40	623.50	600.30	585.80	580.00
20	435.00	394.40	366.85	349.45	334.95	329.15	327.70
25	263.90	252.30	239.25	229.10	221.85	218.95	217.50
30	191.40	179.80	168.20	160.95	155.15	152.25	150.80
35	133.40	123.25	114.55	107.30	104.40	101.50	101.50
40	89.90	81.20	75.40	71.05	68.15	66.70	65.25
45	58.00	52.20	47.85	43.50	40.60	39.15	39.15
50	31.90	23.20	20.30	15.95	11.60	8.70	8.70
55	8.70	8.70	8.70	8.70	8.70	7.25	7.25
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P43P-REG3-LED4-MO-04-AWW-D1G.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	463.35	N.A.	21.20
0-30	842.92	N.A.	38.50
0-40	1213.09	N.A.	55.50
0-60	1771.37	N.A.	81.00
0-80	2060.66	N.A.	94.20
0-90	2124.62	N.A.	97.10
10-90	1983.48	N.A.	90.70
20-40	749.75	N.A.	34.30
20-50	1065.59	N.A.	48.70
40-70	733.49	N.A.	33.50
60-80	289.29	N.A.	13.20
70-80	114.07	N.A.	5.20
80-90	63.96	N.A.	2.90
90-110	50.51	N.A.	2.30
90-120	59.12	N.A.	2.70
90-130	61.98	N.A.	2.80
90-150	62.33	N.A.	2.90
90-180	62.33	N.A.	2.90
110-180	11.82	N.A.	0.50
0-180	2186.95	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.14
10-20	322.21
20-30	379.57
30-40	370.17
40-50	315.85
50-60	242.42
60-70	175.22
70-80	114.07
80-90	63.96
90-100	32.31
100-110	18.20
110-120	8.61
120-130	2.87
130-140	0.35
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

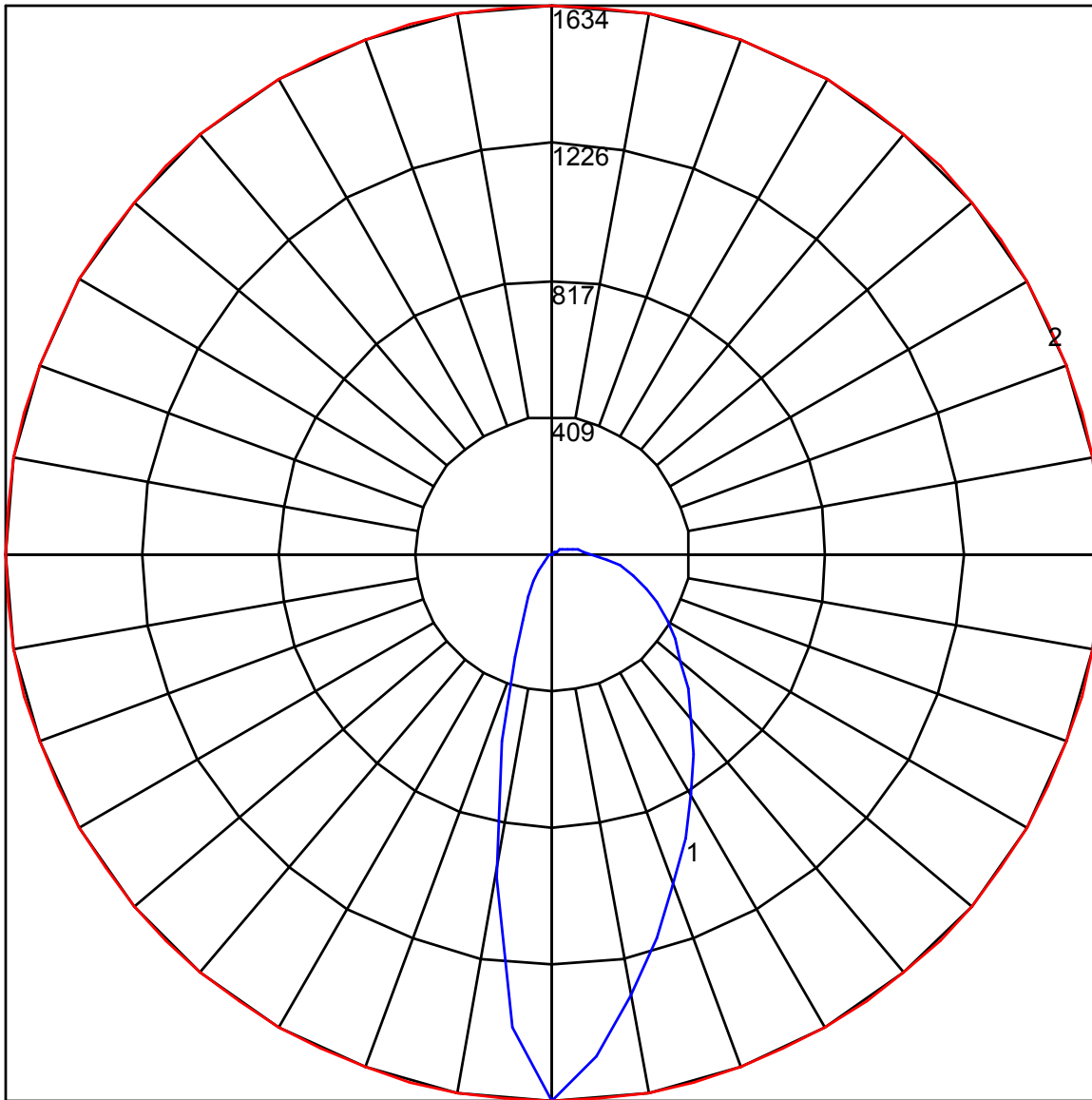
IES INDOOR REPORT
PHOTOMETRIC FILENAME : P43P-REG3-LED4-MO-04-AWW-D1G.IES

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	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 = 1634.15 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.)