



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P40-LED3-LO-04-AWW-D1W.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]32273

[TESTLAB]LIGHTING SCIENCES, INC.

[ISSUE DATE]10/22/2013

[MANUFACTURER]PRUDENTIAL LIGHTING - LED WALL WASH

[LUMCAT]P40-LED3-LO-04-AWL-D1W

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1840
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	19
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.16
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.70
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9993	11341	4030
55	7831	8986	3852
65	5699	6798	3403
75	3737	4747	2686
85	2322	2663	1558

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P40-LED3-LO-04-AWW-D1W.IES

CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	470.82	470.82	470.82	470.82	470.82	470.82	470.82	470.82	470.82	470.82
2.5	520.86	519.36	507.90	488.40	472.98	445.32	429.96	417.66	412.14	417.66
5.0	587.64	581.52	552.24	509.82	471.66	425.04	396.30	376.86	369.06	376.86
7.5	666.90	652.26	601.02	531.78	469.32	405.60	366.36	342.42	334.08	342.42
10.0	760.26	734.46	655.74	553.98	466.62	387.60	340.20	313.50	304.98	313.50
12.5	867.78	828.42	716.88	578.34	463.92	369.54	316.86	289.32	280.86	289.32
15.0	982.80	928.92	784.14	600.00	457.68	351.24	296.16	269.22	261.06	269.22
17.5	1090.98	1029.00	852.96	622.20	451.56	334.32	278.10	252.48	245.04	252.48
20.0	1179.84	1117.80	920.34	644.52	445.02	318.42	262.44	238.56	231.36	238.56
22.5	1244.22	1189.50	985.68	666.78	438.72	303.54	249.48	227.40	221.16	227.40
25.0	1281.36	1239.00	1045.14	688.02	429.18	289.74	237.06	217.32	211.68	217.32
27.5	1289.40	1263.42	1093.50	706.92	419.88	276.54	226.74	208.50	203.94	208.50
30.0	1267.20	1258.86	1127.46	724.92	409.62	263.76	216.96	200.40	196.98	200.40
32.5	1216.02	1224.84	1138.68	740.52	398.22	251.76	207.36	193.74	190.20	193.74
35.0	1145.22	1167.36	1136.22	751.56	386.22	240.36	199.20	187.20	183.66	187.20
37.5	1063.68	1091.22	1109.82	758.46	373.68	229.80	191.46	180.48	176.94	180.48
40.0	979.62	1007.46	1064.82	760.50	359.82	219.18	183.18	173.40	169.86	173.40
42.5	896.58	923.58	1001.22	755.58	344.70	209.04	175.50	166.14	162.30	166.14
45.0	814.80	840.00	924.66	742.92	328.56	198.78	167.64	158.16	154.68	158.16
47.5	734.40	760.26	841.44	721.38	311.76	187.98	159.00	150.12	145.98	150.12
50.0	658.20	681.36	757.68	690.66	294.00	177.12	150.48	141.66	136.92	141.66
52.5	585.96	605.76	674.40	650.04	275.04	165.60	141.30	132.78	128.16	132.78
55.0	517.92	534.24	594.30	600.12	254.76	153.66	131.88	123.60	119.28	123.60
57.5	452.40	467.94	519.72	542.88	233.16	141.36	121.86	114.24	109.98	114.24
60.0	390.66	407.64	450.60	481.02	210.66	128.70	111.42	104.46	100.80	104.46
62.5	331.80	349.08	388.32	418.74	188.22	115.68	100.98	94.74	91.08	94.74
65.0	277.74	294.48	331.26	358.20	165.84	102.54	90.42	84.78	81.54	84.78
67.5	229.02	243.12	277.98	300.72	143.76	89.40	79.80	74.82	72.00	74.82
70.0	185.10	196.26	228.24	246.78	122.04	76.26	69.00	64.68	62.22	64.68
72.5	145.62	154.68	182.58	198.30	100.62	63.06	58.14	54.36	52.68	54.36
75.0	111.54	119.10	141.66	154.80	80.16	50.34	47.22	44.16	42.96	44.16
77.5	82.56	88.62	105.48	116.76	61.26	38.28	36.78	34.62	33.72	34.62
80.0	58.56	62.58	74.16	83.22	43.92	27.30	26.76	25.44	24.96	25.44
82.5	38.76	40.74	47.76	54.06	28.44	17.40	17.70	17.40	17.10	17.40
85.0	23.34	23.70	26.76	29.76	15.66	9.30	9.84	10.20	10.14	10.20
87.5	12.12	12.00	12.36	12.30	5.94	2.94	3.84	4.50	4.68	4.50
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	470.82	470.82	470.82	470.82	470.82	470.82	470.82
2.5	429.96	445.32	472.98	488.40	507.90	519.36	520.86
5.0	396.30	425.04	471.66	509.82	552.24	581.52	587.64
7.5	366.36	405.60	469.32	531.78	601.02	652.26	666.90
10.0	340.20	387.60	466.62	553.98	655.74	734.46	760.26
12.5	316.86	369.54	463.92	578.34	716.88	828.42	867.78
15.0	296.16	351.24	457.68	600.00	784.14	928.92	982.80
17.5	278.10	334.32	451.56	622.20	852.96	1029.00	1090.98
20.0	262.44	318.42	445.02	644.52	920.34	1117.80	1179.84
22.5	249.48	303.54	438.72	666.78	985.68	1189.50	1244.22
25.0	237.06	289.74	429.18	688.02	1045.14	1239.00	1281.36
27.5	226.74	276.54	419.88	706.92	1093.50	1263.42	1289.40
30.0	216.96	263.76	409.62	724.92	1127.46	1258.86	1267.20

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P40-LED3-LO-04-AWW-D1W.IES

CANDELA TABULATION - (Cont.)

32.5	207.36	251.76	398.22	740.52	1138.68	1224.84	1216.02
35.0	199.20	240.36	386.22	751.56	1136.22	1167.36	1145.22
37.5	191.46	229.80	373.68	758.46	1109.82	1091.22	1063.68
40.0	183.18	219.18	359.82	760.50	1064.82	1007.46	979.62
42.5	175.50	209.04	344.70	755.58	1001.22	923.58	896.58
45.0	167.64	198.78	328.56	742.92	924.66	840.00	814.80
47.5	159.00	187.98	311.76	721.38	841.44	760.26	734.40
50.0	150.48	177.12	294.00	690.66	757.68	681.36	658.20
52.5	141.30	165.60	275.04	650.04	674.40	605.76	585.96
55.0	131.88	153.66	254.76	600.12	594.30	534.24	517.92
57.5	121.86	141.36	233.16	542.88	519.72	467.94	452.40
60.0	111.42	128.70	210.66	481.02	450.60	407.64	390.66
62.5	100.98	115.68	188.22	418.74	388.32	349.08	331.80
65.0	90.42	102.54	165.84	358.20	331.26	294.48	277.74
67.5	79.80	89.40	143.76	300.72	277.98	243.12	229.02
70.0	69.00	76.26	122.04	246.78	228.24	196.26	185.10
72.5	58.14	63.06	100.62	198.30	182.58	154.68	145.62
75.0	47.22	50.34	80.16	154.80	141.66	119.10	111.54
77.5	36.78	38.28	61.26	116.76	105.48	88.62	82.56
80.0	26.76	27.30	43.92	83.22	74.16	62.58	58.56
82.5	17.70	17.40	28.44	54.06	47.76	40.74	38.76
85.0	9.84	9.30	15.66	29.76	26.76	23.70	23.34
87.5	3.84	2.94	5.94	12.30	12.36	12.00	12.12
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P40-LED3-LO-04-AWW-D1W.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	200.09	N.A.	10.90
0-30	481.50	N.A.	26.20
0-40	849.35	N.A.	46.20
0-60	1522.18	N.A.	82.70
0-80	1818.24	N.A.	98.80
0-90	1840.28	N.A.	100.00
10-90	1794.26	N.A.	97.50
20-40	649.26	N.A.	35.30
20-50	1019.1	N.A.	55.40
40-70	872.66	N.A.	47.40
60-80	296.06	N.A.	16.10
70-80	96.23	N.A.	5.20
80-90	22.04	N.A.	1.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1840.28	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	46.02
10-20	154.07
20-30	281.41
30-40	367.85
40-50	369.84
50-60	302.98
60-70	199.83
70-80	96.23
80-90	22.04
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

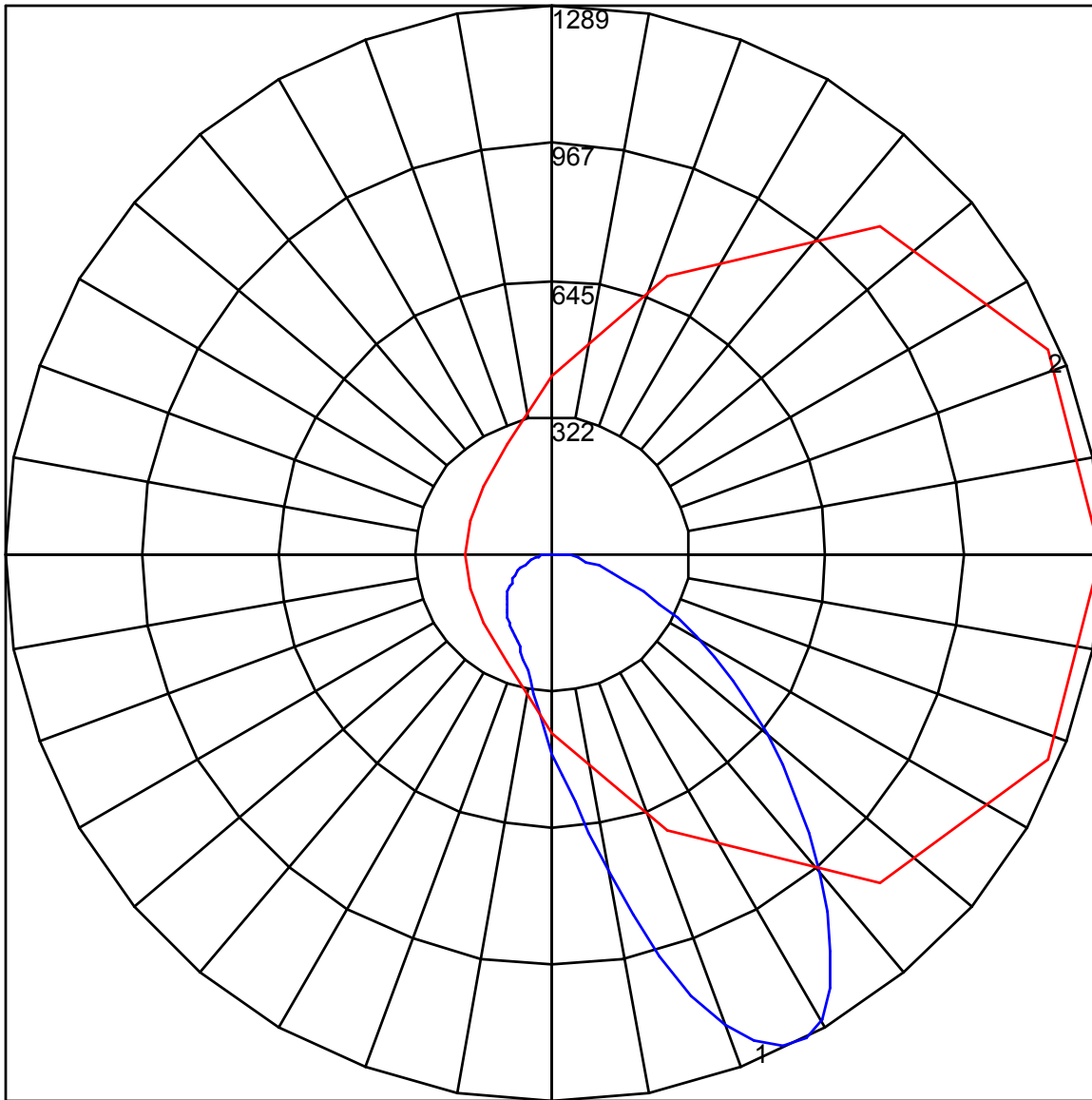
IES INDOOR REPORT
PHOTOMETRIC FILENAME : P40-LED3-LO-04-AWW-D1W.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 1289.4 Located At Horizontal Angle = 0, Vertical Angle = 27.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)