



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P43-LED35-MO-04-AWW-D1W.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]32273

[TESTLAB]

[ISSUE DATE]

[MANUFAC]PRUDENTIAL LIGHTING - LED WALL WASH

[LUMCAT]P43-LED35-MO-04-AWW-D1W

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2760
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	28
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)	0.30 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	15490	17578	6246
55	12138	13928	5971
65	8834	10536	5275
75	5793	7357	4163
85	3600	4127	2415

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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	706.23	706.23	706.23	706.23	706.23	706.23	706.23	706.23	706.23	706.23
2.5	781.29	779.04	761.85	732.60	709.47	667.98	644.94	626.49	618.21	626.49
5.0	881.46	872.28	828.36	764.73	707.49	637.56	594.45	565.29	553.59	565.29
7.5	1000.35	978.39	901.53	797.67	703.98	608.40	549.54	513.63	501.12	513.63
10.0	1140.39	1101.69	983.61	830.97	699.93	581.40	510.30	470.25	457.47	470.25
12.5	1301.67	1242.63	1075.32	867.51	695.88	554.31	475.29	433.98	421.29	433.98
15.0	1474.20	1393.38	1176.21	900.00	686.52	526.86	444.24	403.83	391.59	403.83
17.5	1636.47	1543.50	1279.44	933.30	677.34	501.48	417.15	378.72	367.56	378.72
20.0	1769.76	1676.70	1380.51	966.78	667.53	477.63	393.66	357.84	347.04	357.84
22.5	1866.33	1784.25	1478.52	1000.17	658.08	455.31	374.22	341.10	331.74	341.10
25.0	1922.04	1858.50	1567.71	1032.03	643.77	434.61	355.59	325.98	317.52	325.98
27.5	1934.10	1895.13	1640.25	1060.38	629.82	414.81	340.11	312.75	305.91	312.75
30.0	1900.80	1888.29	1691.19	1087.38	614.43	395.64	325.44	300.60	295.47	300.60
32.5	1824.03	1837.26	1708.02	1110.78	597.33	377.64	311.04	290.61	285.30	290.61
35.0	1717.83	1751.04	1704.33	1127.34	579.33	360.54	298.80	280.80	275.49	280.80
37.5	1595.52	1636.83	1664.73	1137.69	560.52	344.70	287.19	270.72	265.41	270.72
40.0	1469.43	1511.19	1597.23	1140.75	539.73	328.77	274.77	260.10	254.79	260.10
42.5	1344.87	1385.37	1501.83	1133.37	517.05	313.56	263.25	249.21	243.45	249.21
45.0	1222.20	1260.00	1386.99	1114.38	492.84	298.17	251.46	237.24	232.02	237.24
47.5	1101.60	1140.39	1262.16	1082.07	467.64	281.97	238.50	225.18	218.97	225.18
50.0	987.30	1022.04	1136.52	1035.99	441.00	265.68	225.72	212.49	205.38	212.49
52.5	878.94	908.64	1011.60	975.06	412.56	248.40	211.95	199.17	192.24	199.17
55.0	776.88	801.36	891.45	900.18	382.14	230.49	197.82	185.40	178.92	185.40
57.5	678.60	701.91	779.58	814.32	349.74	212.04	182.79	171.36	164.97	171.36
60.0	585.99	611.46	675.90	721.53	315.99	193.05	167.13	156.69	151.20	156.69
62.5	497.70	523.62	582.48	628.11	282.33	173.52	151.47	142.11	136.62	142.11
65.0	416.61	441.72	496.89	537.30	248.76	153.81	135.63	127.17	122.31	127.17
67.5	343.53	364.68	416.97	451.08	215.64	134.10	119.70	112.23	108.00	112.23
70.0	277.65	294.39	342.36	370.17	183.06	114.39	103.50	97.02	93.33	97.02
72.5	218.43	232.02	273.87	297.45	150.93	94.59	87.21	81.54	79.02	81.54
75.0	167.31	178.65	212.49	232.20	120.24	75.51	70.83	66.24	64.44	66.24
77.5	123.84	132.93	158.22	175.14	91.89	57.42	55.17	51.93	50.58	51.93
80.0	87.84	93.87	111.24	124.83	65.88	40.95	40.14	38.16	37.44	38.16
82.5	58.14	61.11	71.64	81.09	42.66	26.10	26.55	26.10	25.65	26.10
85.0	35.01	35.55	40.14	44.64	23.49	13.95	14.76	15.30	15.21	15.30
87.5	18.18	18.00	18.54	18.45	8.91	4.41	5.76	6.75	7.02	6.75
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**

	<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	706.23	706.23	706.23	706.23	706.23	706.23	706.23
2.5	644.94	667.98	709.47	732.60	761.85	779.04	781.29
5.0	594.45	637.56	707.49	764.73	828.36	872.28	881.46
7.5	549.54	608.40	703.98	797.67	901.53	978.39	1000.35
10.0	510.30	581.40	699.93	830.97	983.61	1101.69	1140.39
12.5	475.29	554.31	695.88	867.51	1075.32	1242.63	1301.67
15.0	444.24	526.86	686.52	900.00	1176.21	1393.38	1474.20
17.5	417.15	501.48	677.34	933.30	1279.44	1543.50	1636.47
20.0	393.66	477.63	667.53	966.78	1380.51	1676.70	1769.76
22.5	374.22	455.31	658.08	1000.17	1478.52	1784.25	1866.33
25.0	355.59	434.61	643.77	1032.03	1567.71	1858.50	1922.04
27.5	340.11	414.81	629.82	1060.38	1640.25	1895.13	1934.10
30.0	325.44	395.64	614.43	1087.38	1691.19	1888.29	1900.80

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32.5	311.04	377.64	597.33	1110.78	1708.02	1837.26	1824.03
35.0	298.80	360.54	579.33	1127.34	1704.33	1751.04	1717.83
37.5	287.19	344.70	560.52	1137.69	1664.73	1636.83	1595.52
40.0	274.77	328.77	539.73	1140.75	1597.23	1511.19	1469.43
42.5	263.25	313.56	517.05	1133.37	1501.83	1385.37	1344.87
45.0	251.46	298.17	492.84	1114.38	1386.99	1260.00	1222.20
47.5	238.50	281.97	467.64	1082.07	1262.16	1140.39	1101.60
50.0	225.72	265.68	441.00	1035.99	1136.52	1022.04	987.30
52.5	211.95	248.40	412.56	975.06	1011.60	908.64	878.94
55.0	197.82	230.49	382.14	900.18	891.45	801.36	776.88
57.5	182.79	212.04	349.74	814.32	779.58	701.91	678.60
60.0	167.13	193.05	315.99	721.53	675.90	611.46	585.99
62.5	151.47	173.52	282.33	628.11	582.48	523.62	497.70
65.0	135.63	153.81	248.76	537.30	496.89	441.72	416.61
67.5	119.70	134.10	215.64	451.08	416.97	364.68	343.53
70.0	103.50	114.39	183.06	370.17	342.36	294.39	277.65
72.5	87.21	94.59	150.93	297.45	273.87	232.02	218.43
75.0	70.83	75.51	120.24	232.20	212.49	178.65	167.31
77.5	55.17	57.42	91.89	175.14	158.22	132.93	123.84
80.0	40.14	40.95	65.88	124.83	111.24	93.87	87.84
82.5	26.55	26.10	42.66	81.09	71.64	61.11	58.14
85.0	14.76	13.95	23.49	44.64	40.14	35.55	35.01
87.5	5.76	4.41	8.91	18.45	18.54	18.00	18.18
90.0	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	300.14	N.A.	10.90
0-30	722.25	N.A.	26.20
0-40	1274.03	N.A.	46.20
0-60	2283.27	N.A.	82.70
0-80	2727.36	N.A.	98.80
0-90	2760.41	N.A.	100.00
10-90	2691.39	N.A.	97.50
20-40	973.89	N.A.	35.30
20-50	1528.66	N.A.	55.40
40-70	1308.99	N.A.	47.40
60-80	444.09	N.A.	16.10
70-80	144.34	N.A.	5.20
80-90	33.06	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	2760.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	69.03
10-20	231.11
20-30	422.11
30-40	551.78
40-50	554.77
50-60	454.47
60-70	299.75
70-80	144.34
80-90	33.06
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

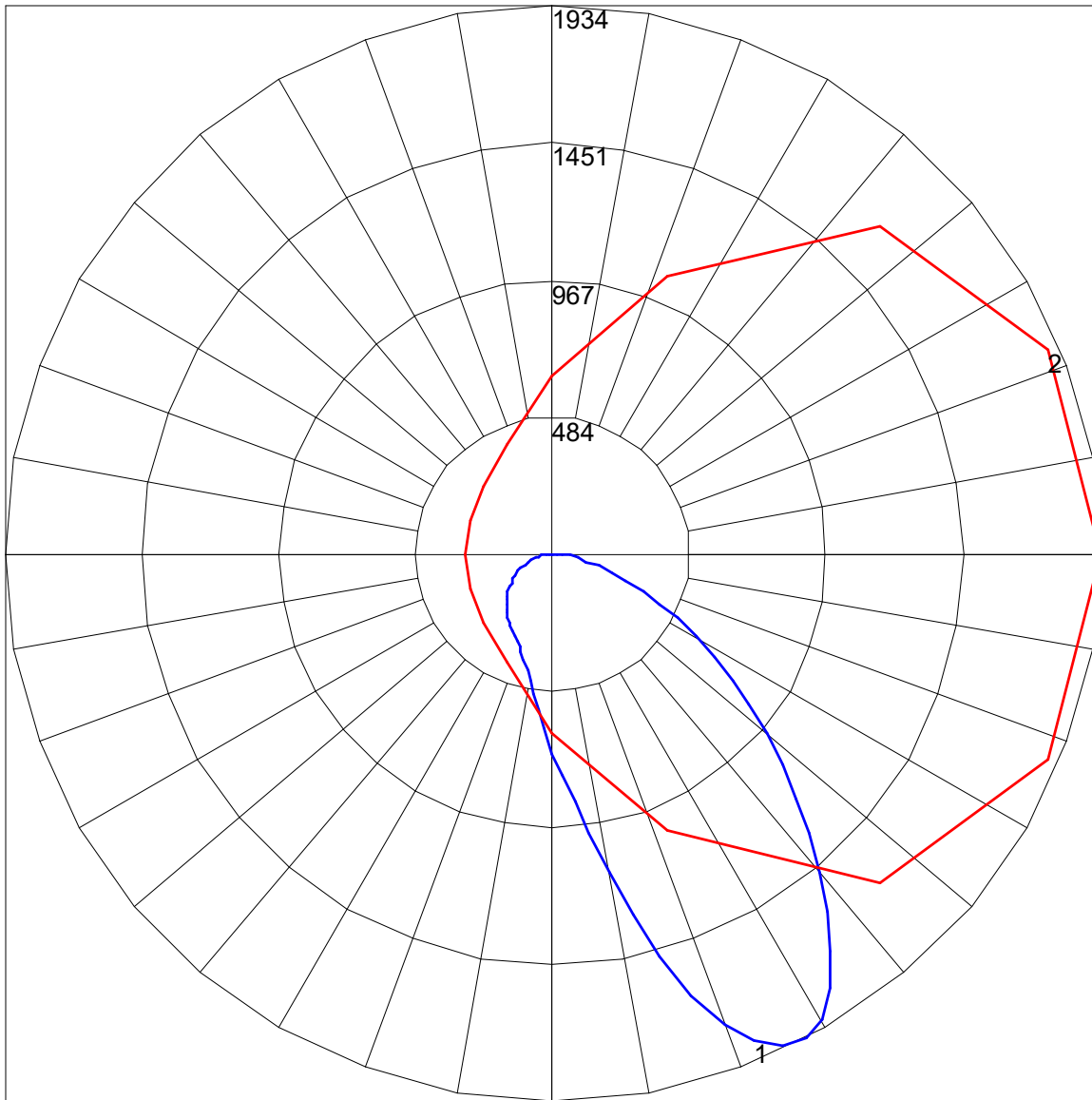
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1934.1 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.)