



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P43-LED35-MO-04-SAL-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] P43-LED35-MO-04-SAL-D1

[TESTLAB] Intertek

[ISSUE DATE] March 10, 2017

[MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2714
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	28
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6956	7233	7617
55	6145	6527	6946
65	5376	5722	6174
75	4457	4649	5030
85	3126	2988	2871

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	1136.745	1136.745	1136.745	1136.745	1136.745	1136.745	1136.745	1136.745	1136.745	1136.745
2.5	1135.005	1134.660	1130.655	1136.265	1135.050	1136.265	1130.655	1134.660	1135.005	1134.660
5.0	1126.200	1130.025	1126.380	1129.605	1127.370	1129.605	1126.380	1130.025	1126.200	1130.025
7.5	1115.685	1118.625	1115.220	1125.075	1123.500	1125.075	1115.220	1118.625	1115.685	1118.625
10.0	1100.685	1103.100	1102.680	1107.555	1106.430	1107.555	1102.680	1103.100	1100.685	1103.100
12.5	1079.640	1083.225	1085.040	1089.585	1088.400	1089.585	1085.040	1083.225	1079.640	1083.225
15.0	1058.265	1061.655	1062.195	1071.255	1069.440	1071.255	1062.195	1061.655	1058.265	1061.655
17.5	1031.340	1033.650	1034.910	1049.280	1052.445	1049.280	1034.910	1033.650	1031.340	1033.650
20.0	999.870	1007.415	1007.565	1023.765	1024.050	1023.765	1007.565	1007.415	999.870	1007.415
22.5	967.485	972.090	979.035	992.865	993.045	992.865	979.035	972.090	967.485	972.090
25.0	929.160	935.790	946.830	960.750	964.455	960.750	946.830	935.790	929.160	935.790
27.5	890.850	895.650	908.100	928.200	933.720	928.200	908.100	895.650	890.850	895.650
30.0	849.825	855.375	868.515	892.005	892.365	892.005	868.515	855.375	849.825	855.375
32.5	807.810	816.300	829.965	851.580	856.080	851.580	829.965	816.300	807.810	816.300
35.0	767.220	773.115	792.510	815.940	819.690	815.940	792.510	773.115	767.220	773.115
37.5	723.900	730.335	749.385	775.365	776.745	775.365	749.385	730.335	723.900	730.335
40.0	683.520	689.310	705.480	731.775	738.240	731.775	705.480	689.310	683.520	689.310
42.5	648.045	645.975	663.570	691.245	693.300	691.245	663.570	645.975	648.045	645.975
45.0	597.105	606.990	620.925	648.660	653.910	648.660	620.925	606.990	597.105	606.990
47.5	551.085	559.740	579.465	604.800	610.350	604.800	579.465	559.740	551.085	559.740
50.0	511.065	518.610	535.620	562.275	565.920	562.275	535.620	518.610	511.065	518.610
52.5	469.230	477.315	495.120	517.335	525.435	517.335	495.120	477.315	469.230	477.315
55.0	427.905	436.305	454.485	475.305	483.675	475.305	454.485	436.305	427.905	436.305
57.5	389.130	397.875	413.145	431.580	437.685	431.580	413.145	397.875	389.130	397.875
60.0	350.835	357.915	373.950	389.520	395.040	389.520	373.950	357.915	350.835	357.915
62.5	313.005	318.465	332.895	347.385	356.205	347.385	332.895	318.465	313.005	318.465
65.0	275.805	281.460	293.595	307.065	316.785	307.065	293.595	281.460	275.805	281.460
67.5	242.070	244.635	255.705	266.130	272.700	266.130	255.705	244.635	242.070	244.635
70.0	205.740	211.365	218.595	228.075	232.200	228.075	218.595	211.365	205.740	211.365
72.5	172.680	175.845	182.790	190.425	195.600	190.425	182.790	175.845	172.680	175.845
75.0	140.055	142.905	146.070	154.335	158.055	154.335	146.070	142.905	140.055	142.905
77.5	108.180	112.110	113.910	116.760	121.410	116.760	113.910	112.110	108.180	112.110
80.0	81.645	81.555	83.190	84.915	86.040	84.915	83.190	81.555	81.645	81.555
82.5	55.215	55.395	55.695	56.445	55.110	56.445	55.695	55.395	55.215	55.395
85.0	33.075	32.355	31.620	29.805	30.375	29.805	31.620	32.355	33.075	32.355
87.5	12.075	11.655	10.800	8.535	7.995	8.535	10.800	11.655	12.075	11.655
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	1136.745	1136.745	1136.745	1136.745	1136.745	1136.745	1136.745
2.5	1130.655	1136.265	1135.050	1136.265	1130.655	1134.660	1135.005
5.0	1126.380	1129.605	1127.370	1129.605	1126.380	1130.025	1126.200
7.5	1115.220	1125.075	1123.500	1125.075	1115.220	1118.625	1115.685
10.0	1102.680	1107.555	1106.430	1107.555	1102.680	1103.100	1100.685
12.5	1085.040	1089.585	1088.400	1089.585	1085.040	1083.225	1079.640
15.0	1062.195	1071.255	1069.440	1071.255	1062.195	1061.655	1058.265
17.5	1034.910	1049.280	1052.445	1049.280	1034.910	1033.650	1031.340
20.0	1007.565	1023.765	1024.050	1023.765	1007.565	1007.415	999.870
22.5	979.035	992.865	993.045	992.865	979.035	972.090	967.485
25.0	946.830	960.750	964.455	960.750	946.830	935.790	929.160
27.5	908.100	928.200	933.720	928.200	908.100	895.650	890.850
30.0	868.515	892.005	892.365	892.005	868.515	855.375	849.825
32.5	829.965	851.580	856.080	851.580	829.965	816.300	807.810
35.0	792.510	815.940	819.690	815.940	792.510	773.115	767.220
37.5	749.385	775.365	776.745	775.365	749.385	730.335	723.900
40.0	705.480	731.775	738.240	731.775	705.480	689.310	683.520
42.5	663.570	691.245	693.300	691.245	663.570	645.975	648.045
45.0	620.925	648.660	653.910	648.660	620.925	606.990	597.105
47.5	579.465	604.800	610.350	604.800	579.465	559.740	551.085
50.0	535.620	562.275	565.920	562.275	535.620	518.610	511.065
52.5	495.120	517.335	525.435	517.335	495.120	477.315	469.230
55.0	454.485	475.305	483.675	475.305	454.485	436.305	427.905
57.5	413.145	431.580	437.685	431.580	413.145	397.875	389.130
60.0	373.950	389.520	395.040	389.520	373.950	357.915	350.835
62.5	332.895	347.385	356.205	347.385	332.895	318.465	313.005
65.0	293.595	307.065	316.785	307.065	293.595	281.460	275.805
67.5	255.705	266.130	272.700	266.130	255.705	244.635	242.070
70.0	218.595	228.075	232.200	228.075	218.595	211.365	205.740
72.5	182.790	190.425	195.600	190.425	182.790	175.845	172.680
75.0	146.070	154.335	158.055	154.335	146.070	142.905	140.055
77.5	113.910	116.760	121.410	116.760	113.910	112.110	108.180
80.0	83.190	84.915	86.040	84.915	83.190	81.555	81.645

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CANDELA TABULATION - (Cont.)

82.5	55.695	56.445	55.110	56.445	55.695	55.395	55.215
85.0	31.620	29.805	30.375	29.805	31.620	32.355	33.075
87.5	10.800	8.535	7.995	8.535	10.800	11.655	12.075
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	406.75	N.A.	15.00
0-30	842.47	N.A.	31.00
0-40	1338.03	N.A.	49.30
0-60	2227.32	N.A.	82.10
0-80	2676.63	N.A.	98.60
0-90	2714.43	N.A.	100.00
10-90	2607.44	N.A.	96.10
20-40	931.29	N.A.	34.30
20-50	1413.23	N.A.	52.10
40-70	1181.21	N.A.	43.50
60-80	449.32	N.A.	16.60
70-80	157.39	N.A.	5.80
80-90	37.80	N.A.	1.40
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	2714.43	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.98
10-20	299.77
20-30	435.72
30-40	495.56
40-50	481.95
50-60	407.33
60-70	291.93
70-80	157.39
80-90	37.80
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

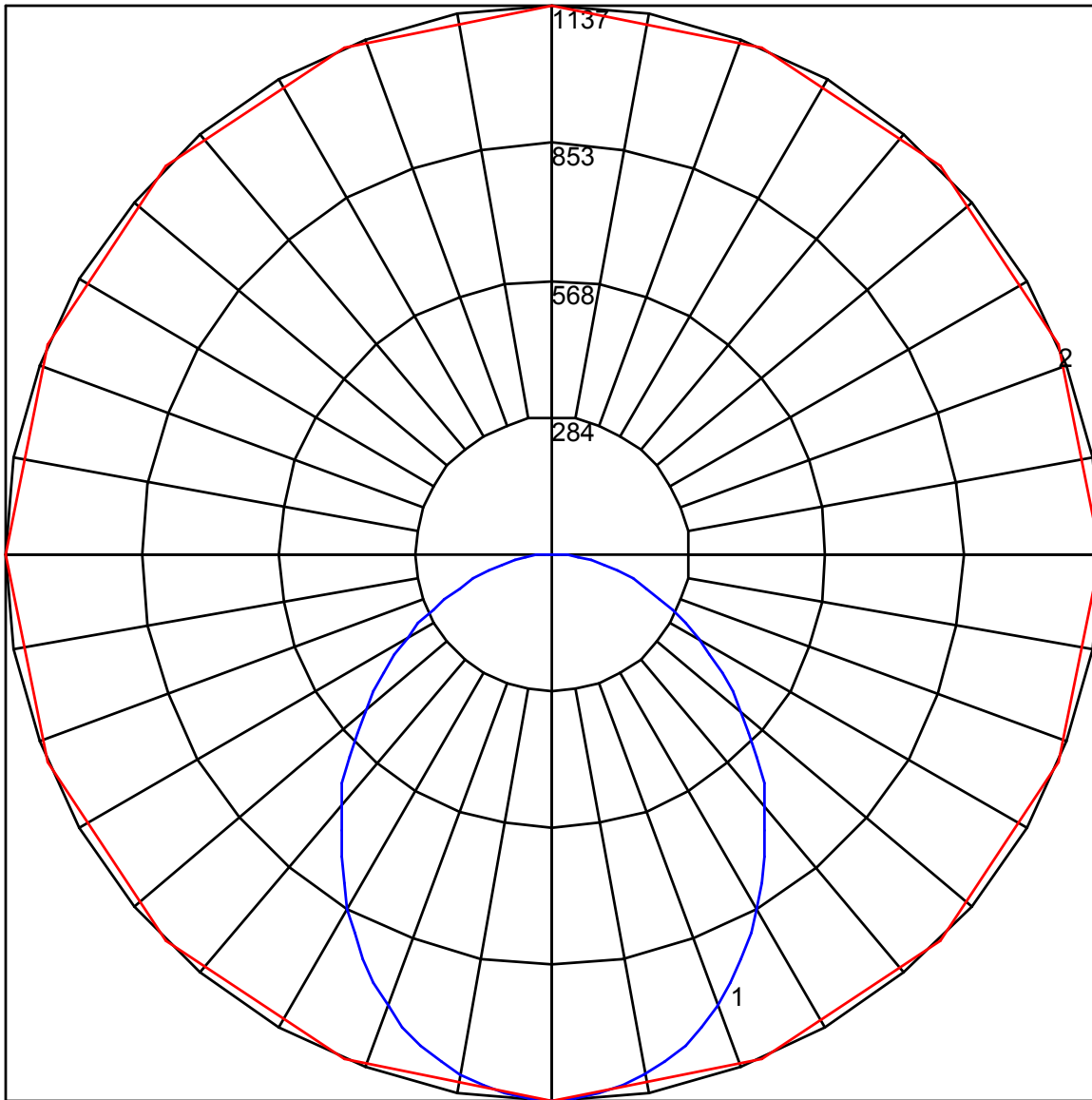
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	32	57	44	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	33	28	27

POLAR GRAPH



Maximum Candela = 1136.745 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.)