



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P40-LED35-HO-04-SAL-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] P40-LED35-HO-04-SAL-D1
 [TESTLAB] Intertek
 [ISSUE DATE] March 10, 2017
 [MANUFAC] Prudential Lighting
 [_TOTALLUMINAIRELUMENS] 4023.3

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4024
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	44.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.28
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	10303	10708	11227
55	9259	9713	10251
65	8178	8595	9132
75	6930	7263	7583
85	5678	5674	5212

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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	1649.67	1649.67	1649.67	1649.67	1649.67	1649.67	1649.67	1649.67	1649.67	1649.67
2.5	1647.80	1651.27	1642.30	1649.59	1647.58	1649.59	1642.30	1651.27	1647.80	1651.27
5.0	1639.18	1639.74	1632.71	1642.11	1643.49	1642.11	1632.71	1639.74	1639.18	1639.74
7.5	1623.95	1624.08	1621.95	1632.17	1629.74	1632.17	1621.95	1624.08	1623.95	1624.08
10.0	1603.02	1602.79	1603.94	1608.74	1607.61	1608.74	1603.94	1602.79	1603.02	1602.79
12.5	1574.56	1577.20	1574.09	1584.80	1585.85	1584.80	1574.09	1577.20	1574.56	1577.20
15.0	1542.30	1548.33	1544.49	1555.92	1557.49	1555.92	1544.49	1548.33	1542.30	1548.33
17.5	1503.27	1512.36	1509.59	1524.34	1533.28	1524.34	1509.59	1512.36	1503.27	1512.36
20.0	1460.39	1468.10	1469.09	1494.40	1486.85	1494.40	1469.09	1468.10	1460.39	1468.10
22.5	1413.66	1420.39	1426.98	1445.19	1446.99	1445.19	1426.98	1420.39	1413.66	1420.39
25.0	1362.15	1367.13	1386.50	1400.22	1402.71	1400.22	1386.50	1367.13	1362.15	1367.13
27.5	1308.25	1312.98	1329.52	1352.94	1357.57	1352.94	1329.52	1312.98	1308.25	1312.98
30.0	1246.07	1256.13	1273.19	1303.89	1306.48	1303.89	1273.19	1256.13	1246.07	1256.13
32.5	1188.13	1197.84	1216.88	1249.17	1250.70	1249.17	1216.88	1197.84	1188.13	1197.84
35.0	1127.68	1138.74	1161.06	1190.65	1195.98	1190.65	1161.06	1138.74	1127.68	1138.74
37.5	1069.68	1078.88	1103.79	1135.11	1141.79	1135.11	1103.79	1078.88	1069.68	1078.88
40.0	1011.44	1019.26	1043.85	1078.48	1079.57	1078.48	1043.85	1019.26	1011.44	1019.26
42.5	949.27	958.53	979.06	1014.66	1020.92	1014.66	979.06	958.53	949.27	958.53
45.0	884.46	895.72	919.19	951.32	963.77	951.32	919.19	895.72	884.46	895.72
47.5	827.10	832.99	857.85	892.68	896.40	892.68	857.85	832.99	827.10	832.99
50.0	760.60	773.87	797.39	828.24	835.24	828.24	797.39	773.87	760.60	773.87
52.5	703.04	710.97	735.43	765.35	774.16	765.35	735.43	710.97	703.04	710.97
55.0	644.75	651.77	676.39	702.41	713.84	702.41	676.39	651.77	644.75	651.77
57.5	587.14	593.20	617.44	641.82	650.22	641.82	617.44	593.20	587.14	593.20
60.0	528.80	537.14	558.05	578.44	592.12	578.44	558.05	537.14	528.80	537.14
62.5	473.08	480.40	500.65	520.21	529.75	520.21	500.65	480.40	473.08	480.40
65.0	419.58	424.92	441.00	459.73	468.54	459.73	441.00	424.92	419.58	424.92
67.5	368.00	372.07	386.54	400.80	410.54	400.80	386.54	372.07	368.00	372.07
70.0	316.59	320.02	331.80	342.98	349.79	342.98	331.80	320.02	316.59	320.02
72.5	265.23	269.56	278.33	286.88	293.10	286.88	278.33	269.56	265.23	269.56
75.0	217.76	220.97	228.20	233.86	238.28	233.86	228.20	220.97	217.76	220.97
77.5	173.16	174.67	180.35	183.47	187.02	183.47	180.35	174.67	173.16	174.67
80.0	132.74	133.72	135.28	136.26	139.33	136.26	135.28	133.72	132.74	133.72
82.5	94.84	95.33	95.77	93.87	93.15	93.87	95.77	95.33	94.84	95.33
85.0	60.08	60.58	60.04	56.21	55.15	56.21	60.04	60.58	60.08	60.58
87.5	29.74	29.85	29.09	25.42	22.43	25.42	29.09	29.85	29.74	29.85
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	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	1649.67	1649.67	1649.67	1649.67	1649.67	1649.67	1649.67
2.5	1642.30	1649.59	1647.58	1649.59	1642.30	1651.27	1647.80
5.0	1632.71	1642.11	1643.49	1642.11	1632.71	1639.74	1639.18
7.5	1621.95	1632.17	1629.74	1632.17	1621.95	1624.08	1623.95
10.0	1603.94	1608.74	1607.61	1608.74	1603.94	1602.79	1603.02
12.5	1574.09	1584.80	1585.85	1584.80	1574.09	1577.20	1574.56
15.0	1544.49	1555.92	1557.49	1555.92	1544.49	1548.33	1542.30
17.5	1509.59	1524.34	1533.28	1524.34	1509.59	1512.36	1503.27
20.0	1469.09	1494.40	1486.85	1494.40	1469.09	1468.10	1460.39
22.5	1426.98	1445.19	1446.99	1445.19	1426.98	1420.39	1413.66
25.0	1386.50	1400.22	1402.71	1400.22	1386.50	1367.13	1362.15
27.5	1329.52	1352.94	1357.57	1352.94	1329.52	1312.98	1308.25
30.0	1273.19	1303.89	1306.48	1303.89	1273.19	1256.13	1246.07
32.5	1216.88	1249.17	1250.70	1249.17	1216.88	1197.84	1188.13
35.0	1161.06	1190.65	1195.98	1190.65	1161.06	1138.74	1127.68
37.5	1103.79	1135.11	1141.79	1135.11	1103.79	1078.88	1069.68
40.0	1043.85	1078.48	1079.57	1078.48	1043.85	1019.26	1011.44
42.5	979.06	1014.66	1020.92	1014.66	979.06	958.53	949.27
45.0	919.19	951.32	963.77	951.32	919.19	895.72	884.46
47.5	857.85	892.68	896.40	892.68	857.85	832.99	827.10
50.0	797.39	828.24	835.24	828.24	797.39	773.87	760.60
52.5	735.43	765.35	774.16	765.35	735.43	710.97	703.04
55.0	676.39	702.41	713.84	702.41	676.39	651.77	644.75
57.5	617.44	641.82	650.22	641.82	617.44	593.20	587.14
60.0	558.05	578.44	592.12	578.44	558.05	537.14	528.80
62.5	500.65	520.21	529.75	520.21	500.65	480.40	473.08
65.0	441.00	459.73	468.54	459.73	441.00	424.92	419.58
67.5	386.54	400.80	410.54	400.80	386.54	372.07	368.00
70.0	331.80	342.98	349.79	342.98	331.80	320.02	316.59
72.5	278.33	286.88	293.10	286.88	278.33	269.56	265.23
75.0	228.20	233.86	238.28	233.86	228.20	220.97	217.76
77.5	180.35	183.47	187.02	183.47	180.35	174.67	173.16
80.0	135.28	136.26	139.33	136.26	135.28	133.72	132.74

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CANDELA TABULATION - (Cont.)

82.5	95.77	93.87	93.15	93.87	95.77	95.33	94.84
85.0	60.04	56.21	55.15	56.21	60.04	60.58	60.08
87.5	29.09	25.42	22.43	25.42	29.09	29.85	29.74
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	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	591.94	N.A.	14.70
0-30	1228.44	N.A.	30.50
0-40	1956.19	N.A.	48.60
0-60	3274.43	N.A.	81.40
0-80	3956.04	N.A.	98.30
0-90	4023.67	N.A.	100.00
10-90	3868.25	N.A.	96.10
20-40	1364.25	N.A.	33.90
20-50	2076.32	N.A.	51.60
40-70	1757.41	N.A.	43.70
60-80	681.61	N.A.	16.90
70-80	242.44	N.A.	6.00
80-90	67.64	N.A.	1.70
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	4023.67	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	155.43
10-20	436.51
20-30	636.50
30-40	727.75
40-50	712.07
50-60	606.17
60-70	439.17
70-80	242.44
80-90	67.64
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

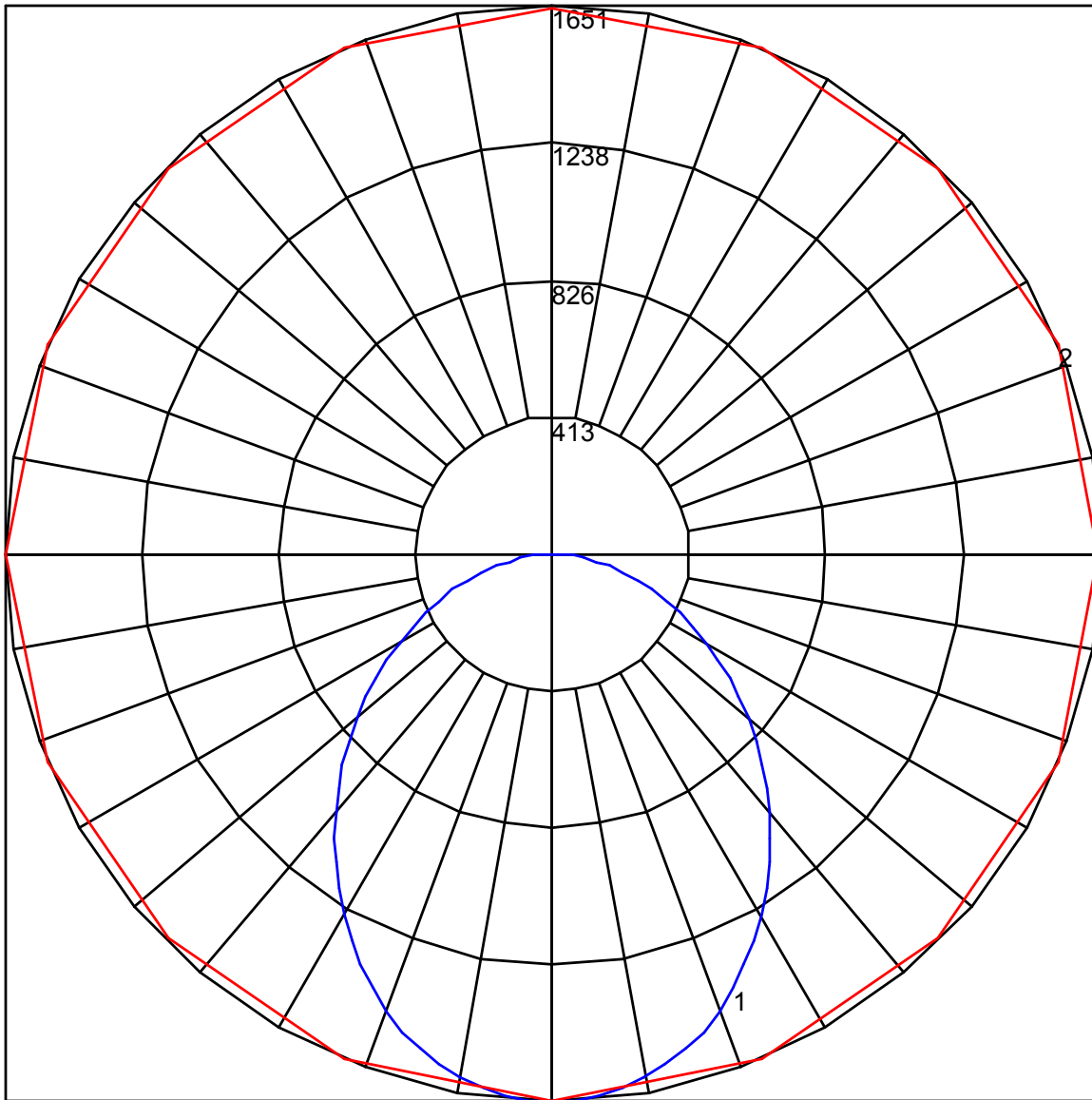
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 1651.27 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)