



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] P40-LED35-LO-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	1810
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	18.4
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	4637	4822	5078
55	4097	4351	4631
65	3584	3815	4116
75	2972	3099	3353
85	2084	1992	1914

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P40-LED35-LO-04-SAL-D1.IES**

**CANDELA TABULATION**

	<b>0.0</b>	<b>22.5</b>	<b>45.0</b>	<b>67.5</b>	<b>90.0</b>	<b>112.5</b>	<b>135.0</b>	<b>157.5</b>	<b>180.0</b>	<b>202.5</b>
<b>0.0</b>	757.83	757.83	757.83	757.83	757.83	757.83	757.83	757.83	757.83	757.83
<b>2.5</b>	756.67	756.44	753.77	757.51	756.70	757.51	753.77	756.44	756.67	756.44
<b>5.0</b>	750.80	753.35	750.92	753.07	751.58	753.07	750.92	753.35	750.80	753.35
<b>7.5</b>	743.79	745.75	743.48	750.05	749.00	750.05	743.48	745.75	743.79	745.75
<b>10.0</b>	733.79	735.40	735.12	738.37	737.62	738.37	735.12	735.40	733.79	735.40
<b>12.5</b>	719.76	722.15	723.36	726.39	725.60	726.39	723.36	722.15	719.76	722.15
<b>15.0</b>	705.51	707.77	708.13	714.17	712.96	714.17	708.13	707.77	705.51	707.77
<b>17.5</b>	687.56	689.10	689.94	699.52	701.63	699.52	689.94	689.10	687.56	689.10
<b>20.0</b>	666.58	671.61	671.71	682.51	682.70	682.51	671.71	671.61	666.58	671.61
<b>22.5</b>	644.99	648.06	652.69	661.91	662.03	661.91	652.69	648.06	644.99	648.06
<b>25.0</b>	619.44	623.86	631.22	640.50	642.97	640.50	631.22	623.86	619.44	623.86
<b>27.5</b>	593.90	597.10	605.40	618.80	622.48	618.80	605.40	597.10	593.90	597.10
<b>30.0</b>	566.55	570.25	579.01	594.67	594.91	594.67	579.01	570.25	566.55	570.25
<b>32.5</b>	538.54	544.20	553.31	567.72	570.72	567.72	553.31	544.20	538.54	544.20
<b>35.0</b>	511.48	515.41	528.34	543.96	546.46	543.96	528.34	515.41	511.48	515.41
<b>37.5</b>	482.60	486.89	499.59	516.91	517.83	516.91	499.59	486.89	482.60	486.89
<b>40.0</b>	455.68	459.54	470.32	487.85	492.16	487.85	470.32	459.54	455.68	459.54
<b>42.5</b>	432.03	430.65	442.38	460.83	462.20	460.83	442.38	430.65	432.03	430.65
<b>45.0</b>	398.07	404.66	413.95	432.44	435.94	432.44	413.95	404.66	398.07	404.66
<b>47.5</b>	367.39	373.16	386.31	403.20	406.90	403.20	386.31	373.16	367.39	373.16
<b>50.0</b>	340.71	345.74	357.08	374.85	377.28	374.85	357.08	345.74	340.71	345.74
<b>52.5</b>	312.82	318.21	330.08	344.89	350.29	344.89	330.08	318.21	312.82	318.21
<b>55.0</b>	285.27	290.87	302.99	316.87	322.45	316.87	302.99	290.87	285.27	290.87
<b>57.5</b>	259.42	265.25	275.43	287.72	291.79	287.72	275.43	265.25	259.42	265.25
<b>60.0</b>	233.89	238.61	249.30	259.68	263.36	259.68	249.30	238.61	233.89	238.61
<b>62.5</b>	208.67	212.31	221.93	231.59	237.47	231.59	221.93	212.31	208.67	212.31
<b>65.0</b>	183.87	187.64	195.73	204.71	211.19	204.71	195.73	187.64	183.87	187.64
<b>67.5</b>	161.38	163.09	170.47	177.42	181.80	177.42	170.47	163.09	161.38	163.09
<b>70.0</b>	137.16	140.91	145.73	152.05	154.80	152.05	145.73	140.91	137.16	140.91
<b>72.5</b>	115.12	117.23	121.86	126.95	130.40	126.95	121.86	117.23	115.12	117.23
<b>75.0</b>	93.37	95.27	97.38	102.89	105.37	102.89	97.38	95.27	93.37	95.27
<b>77.5</b>	72.12	74.74	75.94	77.84	80.94	77.84	75.94	74.74	72.12	74.74
<b>80.0</b>	54.43	54.37	55.46	56.61	57.36	56.61	55.46	54.37	54.43	54.37
<b>82.5</b>	36.81	36.93	37.13	37.63	36.74	37.63	37.13	36.93	36.81	36.93
<b>85.0</b>	22.05	21.57	21.08	19.87	20.25	19.87	21.08	21.57	22.05	21.57
<b>87.5</b>	8.05	7.77	7.20	5.69	5.33	5.69	7.20	7.77	8.05	7.77
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>92.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>97.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>102.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>107.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>110.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>112.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>115.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>117.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>122.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>125.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>127.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>130.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>132.5</b>	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 : P40-LED35-LO-04-SAL-D1.IES**

**CANDELA TABULATION - (Cont.)**

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**

	<b>225.0</b>	<b>247.5</b>	<b>270.0</b>	<b>292.5</b>	<b>315.0</b>	<b>337.5</b>	<b>360.0</b>
0.0	757.83	757.83	757.83	757.83	757.83	757.83	757.83
2.5	753.77	757.51	756.70	757.51	753.77	756.44	756.67
5.0	750.92	753.07	751.58	753.07	750.92	753.35	750.80
7.5	743.48	750.05	749.00	750.05	743.48	745.75	743.79
10.0	735.12	738.37	737.62	738.37	735.12	735.40	733.79
12.5	723.36	726.39	725.60	726.39	723.36	722.15	719.76
15.0	708.13	714.17	712.96	714.17	708.13	707.77	705.51
17.5	689.94	699.52	701.63	699.52	689.94	689.10	687.56
20.0	671.71	682.51	682.70	682.51	671.71	671.61	666.58
22.5	652.69	661.91	662.03	661.91	652.69	648.06	644.99
25.0	631.22	640.50	642.97	640.50	631.22	623.86	619.44
27.5	605.40	618.80	622.48	618.80	605.40	597.10	593.90
30.0	579.01	594.67	594.91	594.67	579.01	570.25	566.55
32.5	553.31	567.72	570.72	567.72	553.31	544.20	538.54
35.0	528.34	543.96	546.46	543.96	528.34	515.41	511.48
37.5	499.59	516.91	517.83	516.91	499.59	486.89	482.60
40.0	470.32	487.85	492.16	487.85	470.32	459.54	455.68
42.5	442.38	460.83	462.20	460.83	442.38	430.65	432.03
45.0	413.95	432.44	435.94	432.44	413.95	404.66	398.07
47.5	386.31	403.20	406.90	403.20	386.31	373.16	367.39
50.0	357.08	374.85	377.28	374.85	357.08	345.74	340.71
52.5	330.08	344.89	350.29	344.89	330.08	318.21	312.82
55.0	302.99	316.87	322.45	316.87	302.99	290.87	285.27
57.5	275.43	287.72	291.79	287.72	275.43	265.25	259.42
60.0	249.30	259.68	263.36	259.68	249.30	238.61	233.89
62.5	221.93	231.59	237.47	231.59	221.93	212.31	208.67
65.0	195.73	204.71	211.19	204.71	195.73	187.64	183.87
67.5	170.47	177.42	181.80	177.42	170.47	163.09	161.38
70.0	145.73	152.05	154.80	152.05	145.73	140.91	137.16
72.5	121.86	126.95	130.40	126.95	121.86	117.23	115.12
75.0	97.38	102.89	105.37	102.89	97.38	95.27	93.37
77.5	75.94	77.84	80.94	77.84	75.94	74.74	72.12
80.0	55.46	56.61	57.36	56.61	55.46	54.37	54.43

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : P40-LED35-LO-04-SAL-D1.IES

CANDELA TABULATION - (Cont.)

82.5	37.13	37.63	36.74	37.63	37.13	36.93	36.81
85.0	21.08	19.87	20.25	19.87	21.08	21.57	22.05
87.5	7.20	5.69	5.33	5.69	7.20	7.77	8.05
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P40-LED35-LO-04-SAL-D1.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	271.17	N.A.	15.00
0-30	561.65	N.A.	31.00
0-40	892.02	N.A.	49.30
0-60	1484.88	N.A.	82.10
0-80	1784.42	N.A.	98.60
0-90	1809.62	N.A.	100.00
10-90	1738.3	N.A.	96.10
20-40	620.86	N.A.	34.30
20-50	942.16	N.A.	52.10
40-70	787.47	N.A.	43.50
60-80	299.54	N.A.	16.60
70-80	104.93	N.A.	5.80
80-90	25.20	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	1809.62	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	71.32
10-20	199.84
20-30	290.48
30-40	330.38
40-50	321.30
50-60	271.56
60-70	194.62
70-80	104.93
80-90	25.20
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

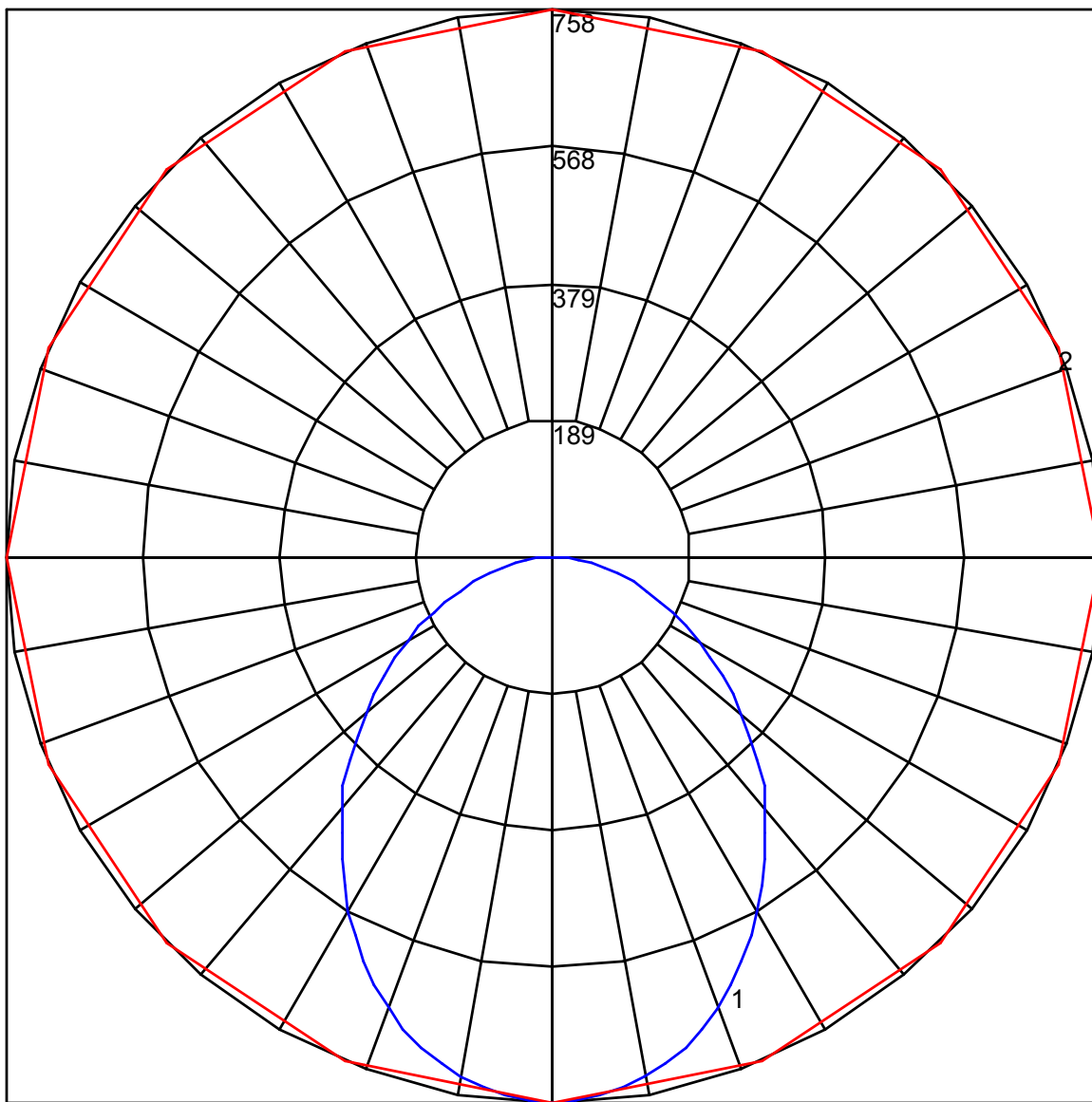
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P40-LED35-LO-04-SAL-D1.IES**

**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	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	73	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	77	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	53	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 = 757.83 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.)