



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P53-LED35-MO-04-SAL-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] P53-LED35-MO-04-SAL-D1

[TESTLAB] Intertek Lake Forest

[ISSUE DATE] April 8, 2016

[MANUFAC] Prudential Ltg

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2543
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	28
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.41 ft
Luminous Width (90-270)	3.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5507	5507	5507
55	4869	4869	4869
65	4242	4242	4242
75	3538	3538	3538
85	2695	2695	2695

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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	1109.892	1109.892	1109.892	1109.892	1109.892	1109.892	1109.892	1109.892	1109.892	1109.892
2.5	1107.855	1107.855	1107.855	1107.855	1107.855	1107.855	1107.855	1107.855	1107.855	1107.855
5.0	1101.322	1101.322	1101.322	1101.322	1101.322	1101.322	1101.322	1101.322	1101.322	1101.322
7.5	1090.934	1090.934	1090.934	1090.934	1090.934	1090.934	1090.934	1090.934	1090.934	1090.934
10.0	1075.056	1075.056	1075.056	1075.056	1075.056	1075.056	1075.056	1075.056	1075.056	1075.056
12.5	1055.711	1055.711	1055.711	1055.711	1055.711	1055.711	1055.711	1055.711	1055.711	1055.711
15.0	1033.264	1033.264	1033.264	1033.264	1033.264	1033.264	1033.264	1033.264	1033.264	1033.264
17.5	1006.663	1006.663	1006.663	1006.663	1006.663	1006.663	1006.663	1006.663	1006.663	1006.663
20.0	976.550	976.550	976.550	976.550	976.550	976.550	976.550	976.550	976.550	976.550
22.5	943.489	943.489	943.489	943.489	943.489	943.489	943.489	943.489	943.489	943.489
25.0	907.208	907.208	907.208	907.208	907.208	907.208	907.208	907.208	907.208	907.208
27.5	869.591	869.591	869.591	869.591	869.591	869.591	869.591	869.591	869.591	869.591
30.0	830.244	830.244	830.244	830.244	830.244	830.244	830.244	830.244	830.244	830.244
32.5	788.991	788.991	788.991	788.991	788.991	788.991	788.991	788.991	788.991	788.991
35.0	747.929	747.929	747.929	747.929	747.929	747.929	747.929	747.929	747.929	747.929
37.5	705.063	705.063	705.063	705.063	705.063	705.063	705.063	705.063	705.063	705.063
40.0	661.840	661.840	661.840	661.840	661.840	661.840	661.840	661.840	661.840	661.840
42.5	618.763	618.763	618.763	618.763	618.763	618.763	618.763	618.763	618.763	618.763
45.0	576.160	576.160	576.160	576.160	576.160	576.160	576.160	576.160	576.160	576.160
47.5	534.389	534.389	534.389	534.389	534.389	534.389	534.389	534.389	534.389	534.389
50.0	492.823	492.823	492.823	492.823	492.823	492.823	492.823	492.823	492.823	492.823
52.5	452.593	452.593	452.593	452.593	452.593	452.593	452.593	452.593	452.593	452.593
55.0	413.231	413.231	413.231	413.231	413.231	413.231	413.231	413.231	413.231	413.231
57.5	374.636	374.636	374.636	374.636	374.636	374.636	374.636	374.636	374.636	374.636
60.0	337.107	337.107	337.107	337.107	337.107	337.107	337.107	337.107	337.107	337.107
62.5	300.621	300.621	300.621	300.621	300.621	300.621	300.621	300.621	300.621	300.621
65.0	265.231	265.231	265.231	265.231	265.231	265.231	265.231	265.231	265.231	265.231
67.5	231.184	231.184	231.184	231.184	231.184	231.184	231.184	231.184	231.184	231.184
70.0	197.903	197.903	197.903	197.903	197.903	197.903	197.903	197.903	197.903	197.903
72.5	165.885	165.885	165.885	165.885	165.885	165.885	165.885	165.885	165.885	165.885
75.0	135.488	135.488	135.488	135.488	135.488	135.488	135.488	135.488	135.488	135.488
77.5	107.025	107.025	107.025	107.025	107.025	107.025	107.025	107.025	107.025	107.025
80.0	80.322	80.322	80.322	80.322	80.322	80.322	80.322	80.322	80.322	80.322
82.5	56.188	56.188	56.188	56.188	56.188	56.188	56.188	56.188	56.188	56.188
85.0	34.755	34.755	34.755	34.755	34.755	34.755	34.755	34.755	34.755	34.755
87.5	16.761	16.761	16.761	16.761	16.761	16.761	16.761	16.761	16.761	16.761
90.0	2.716	2.716	2.716	2.716	2.716	2.716	2.716	2.716	2.716	2.716
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. Angles **Horizontal Angles**

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	1109.892	1109.892	1109.892	1109.892	1109.892	1109.892	1109.892
2.5	1107.855	1107.855	1107.855	1107.855	1107.855	1107.855	1107.855
5.0	1101.322	1101.322	1101.322	1101.322	1101.322	1101.322	1101.322
7.5	1090.934	1090.934	1090.934	1090.934	1090.934	1090.934	1090.934
10.0	1075.056	1075.056	1075.056	1075.056	1075.056	1075.056	1075.056
12.5	1055.711	1055.711	1055.711	1055.711	1055.711	1055.711	1055.711
15.0	1033.264	1033.264	1033.264	1033.264	1033.264	1033.264	1033.264
17.5	1006.663	1006.663	1006.663	1006.663	1006.663	1006.663	1006.663
20.0	976.550	976.550	976.550	976.550	976.550	976.550	976.550
22.5	943.489	943.489	943.489	943.489	943.489	943.489	943.489
25.0	907.208	907.208	907.208	907.208	907.208	907.208	907.208
27.5	869.591	869.591	869.591	869.591	869.591	869.591	869.591
30.0	830.244	830.244	830.244	830.244	830.244	830.244	830.244
32.5	788.991	788.991	788.991	788.991	788.991	788.991	788.991
35.0	747.929	747.929	747.929	747.929	747.929	747.929	747.929
37.5	705.063	705.063	705.063	705.063	705.063	705.063	705.063
40.0	661.840	661.840	661.840	661.840	661.840	661.840	661.840
42.5	618.763	618.763	618.763	618.763	618.763	618.763	618.763
45.0	576.160	576.160	576.160	576.160	576.160	576.160	576.160
47.5	534.389	534.389	534.389	534.389	534.389	534.389	534.389
50.0	492.823	492.823	492.823	492.823	492.823	492.823	492.823
52.5	452.593	452.593	452.593	452.593	452.593	452.593	452.593
55.0	413.231	413.231	413.231	413.231	413.231	413.231	413.231
57.5	374.636	374.636	374.636	374.636	374.636	374.636	374.636
60.0	337.107	337.107	337.107	337.107	337.107	337.107	337.107
62.5	300.621	300.621	300.621	300.621	300.621	300.621	300.621
65.0	265.231	265.231	265.231	265.231	265.231	265.231	265.231
67.5	231.184	231.184	231.184	231.184	231.184	231.184	231.184
70.0	197.903	197.903	197.903	197.903	197.903	197.903	197.903
72.5	165.885	165.885	165.885	165.885	165.885	165.885	165.885
75.0	135.488	135.488	135.488	135.488	135.488	135.488	135.488
77.5	107.025	107.025	107.025	107.025	107.025	107.025	107.025
80.0	80.322	80.322	80.322	80.322	80.322	80.322	80.322

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CANDELA TABULATION - (Cont.)

82.5	56.188	56.188	56.188	56.188	56.188	56.188	56.188
85.0	34.755	34.755	34.755	34.755	34.755	34.755	34.755
87.5	16.761	16.761	16.761	16.761	16.761	16.761	16.761
90.0	2.716	2.716	2.716	2.716	2.716	2.716	2.716
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	394.97	N.A.	15.50
0-30	812.30	N.A.	31.90
0-40	1279.51	N.A.	50.30
0-60	2094.27	N.A.	82.40
0-80	2501.91	N.A.	98.40
0-90	2542.51	N.A.	100.00
10-90	2438.2	N.A.	95.90
20-40	884.54	N.A.	34.80
20-50	1329.35	N.A.	52.30
40-70	1078.06	N.A.	42.40
60-80	407.64	N.A.	16.00
70-80	144.35	N.A.	5.70
80-90	40.60	N.A.	1.60
90-110	0.37	N.A.	0.00
90-120	0.37	N.A.	0.00
90-130	0.37	N.A.	0.00
90-150	0.37	N.A.	0.00
90-180	0.37	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2542.89	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.31
10-20	290.65
20-30	417.33
30-40	467.21
40-50	444.81
50-60	369.96
60-70	263.29
70-80	144.35
80-90	40.60
90-100	0.37
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

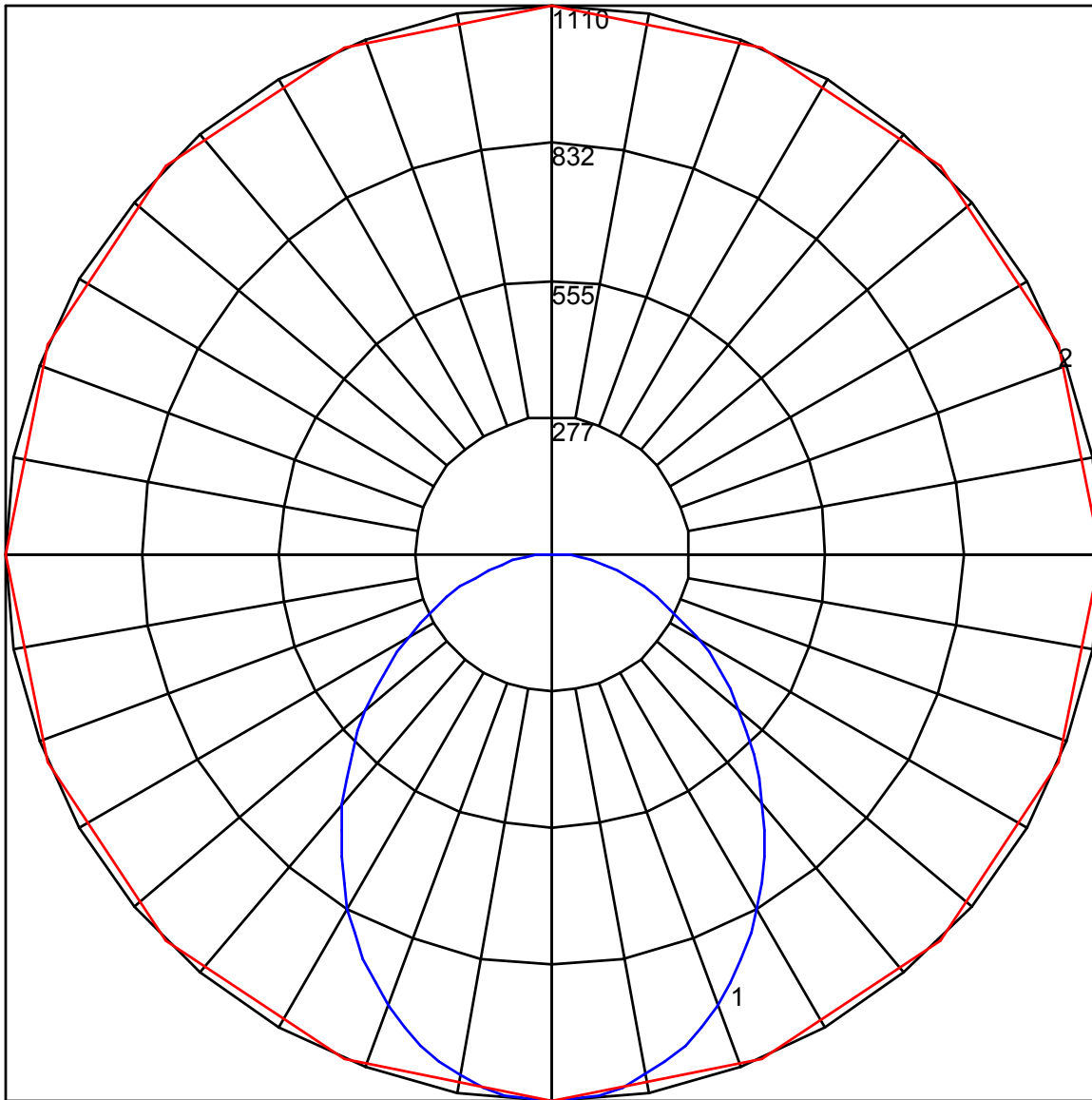
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	78	84	79	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 1109.892 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.)