



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P53-LED35-HO-04-OPL-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] P53-LED35-HO-04-OPL-D1

[TESTLAB] Intertek Lake Forest

[ISSUE DATE] June 8, 2016

[MANUFAC] Prudential Ltg

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3965
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	48
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
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	8663	8663	8663
55	8091	8091	8091
65	7414	7414	7414
75	6447	6447	6447
85	5387	5387	5387

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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	1529.401	1529.401	1529.401	1529.401	1529.401	1529.401	1529.401	1529.401	1529.401	1529.401
2.5	1526.932	1526.932	1526.932	1526.932	1526.932	1526.932	1526.932	1526.932	1526.932	1526.932
5.0	1519.701	1519.701	1519.701	1519.701	1519.701	1519.701	1519.701	1519.701	1519.701	1519.701
7.5	1507.393	1507.393	1507.393	1507.393	1507.393	1507.393	1507.393	1507.393	1507.393	1507.393
10.0	1490.755	1490.755	1490.755	1490.755	1490.755	1490.755	1490.755	1490.755	1490.755	1490.755
12.5	1468.362	1468.362	1468.362	1468.362	1468.362	1468.362	1468.362	1468.362	1468.362	1468.362
15.0	1442.704	1442.704	1442.704	1442.704	1442.704	1442.704	1442.704	1442.704	1442.704	1442.704
17.5	1412.564	1412.564	1412.564	1412.564	1412.564	1412.564	1412.564	1412.564	1412.564	1412.564
20.0	1378.763	1378.763	1378.763	1378.763	1378.763	1378.763	1378.763	1378.763	1378.763	1378.763
22.5	1342.575	1342.575	1342.575	1342.575	1342.575	1342.575	1342.575	1342.575	1342.575	1342.575
25.0	1301.800	1301.800	1301.800	1301.800	1301.800	1301.800	1301.800	1301.800	1301.800	1301.800
27.5	1258.393	1258.393	1258.393	1258.393	1258.393	1258.393	1258.393	1258.393	1258.393	1258.393
30.0	1212.670	1212.670	1212.670	1212.670	1212.670	1212.670	1212.670	1212.670	1212.670	1212.670
32.5	1165.273	1165.273	1165.273	1165.273	1165.273	1165.273	1165.273	1165.273	1165.273	1165.273
35.0	1115.981	1115.981	1115.981	1115.981	1115.981	1115.981	1115.981	1115.981	1115.981	1115.981
37.5	1064.606	1064.606	1064.606	1064.606	1064.606	1064.606	1064.606	1064.606	1064.606	1064.606
40.0	1014.144	1014.144	1014.144	1014.144	1014.144	1014.144	1014.144	1014.144	1014.144	1014.144
42.5	960.137	960.137	960.137	960.137	960.137	960.137	960.137	960.137	960.137	960.137
45.0	906.364	906.364	906.364	906.364	906.364	906.364	906.364	906.364	906.364	906.364
47.5	852.532	852.532	852.532	852.532	852.532	852.532	852.532	852.532	852.532	852.532
50.0	796.969	796.969	796.969	796.969	796.969	796.969	796.969	796.969	796.969	796.969
52.5	742.154	742.154	742.154	742.154	742.154	742.154	742.154	742.154	742.154	742.154
55.0	686.650	686.650	686.650	686.650	686.650	686.650	686.650	686.650	686.650	686.650
57.5	631.426	631.426	631.426	631.426	631.426	631.426	631.426	631.426	631.426	631.426
60.0	574.879	574.879	574.879	574.879	574.879	574.879	574.879	574.879	574.879	574.879
62.5	518.766	518.766	518.766	518.766	518.766	518.766	518.766	518.766	518.766	518.766
65.0	463.589	463.589	463.589	463.589	463.589	463.589	463.589	463.589	463.589	463.589
67.5	408.260	408.260	408.260	408.260	408.260	408.260	408.260	408.260	408.260	408.260
70.0	353.235	353.235	353.235	353.235	353.235	353.235	353.235	353.235	353.235	353.235
72.5	299.286	299.286	299.286	299.286	299.286	299.286	299.286	299.286	299.286	299.286
75.0	246.893	246.893	246.893	246.893	246.893	246.893	246.893	246.893	246.893	246.893
77.5	198.444	198.444	198.444	198.444	198.444	198.444	198.444	198.444	198.444	198.444
80.0	150.801	150.801	150.801	150.801	150.801	150.801	150.801	150.801	150.801	150.801
82.5	107.991	107.991	107.991	107.991	107.991	107.991	107.991	107.991	107.991	107.991
85.0	69.463	69.463	69.463	69.463	69.463	69.463	69.463	69.463	69.463	69.463
87.5	36.504	36.504	36.504	36.504	36.504	36.504	36.504	36.504	36.504	36.504
90.0	10.600	10.600	10.600	10.600	10.600	10.600	10.600	10.600	10.600	10.600
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	1529.401	1529.401	1529.401	1529.401	1529.401	1529.401	1529.401
2.5	1526.932	1526.932	1526.932	1526.932	1526.932	1526.932	1526.932
5.0	1519.701	1519.701	1519.701	1519.701	1519.701	1519.701	1519.701
7.5	1507.393	1507.393	1507.393	1507.393	1507.393	1507.393	1507.393
10.0	1490.755	1490.755	1490.755	1490.755	1490.755	1490.755	1490.755
12.5	1468.362	1468.362	1468.362	1468.362	1468.362	1468.362	1468.362
15.0	1442.704	1442.704	1442.704	1442.704	1442.704	1442.704	1442.704
17.5	1412.564	1412.564	1412.564	1412.564	1412.564	1412.564	1412.564
20.0	1378.763	1378.763	1378.763	1378.763	1378.763	1378.763	1378.763
22.5	1342.575	1342.575	1342.575	1342.575	1342.575	1342.575	1342.575
25.0	1301.800	1301.800	1301.800	1301.800	1301.800	1301.800	1301.800
27.5	1258.393	1258.393	1258.393	1258.393	1258.393	1258.393	1258.393
30.0	1212.670	1212.670	1212.670	1212.670	1212.670	1212.670	1212.670
32.5	1165.273	1165.273	1165.273	1165.273	1165.273	1165.273	1165.273
35.0	1115.981	1115.981	1115.981	1115.981	1115.981	1115.981	1115.981
37.5	1064.606	1064.606	1064.606	1064.606	1064.606	1064.606	1064.606
40.0	1014.144	1014.144	1014.144	1014.144	1014.144	1014.144	1014.144
42.5	960.137	960.137	960.137	960.137	960.137	960.137	960.137
45.0	906.364	906.364	906.364	906.364	906.364	906.364	906.364
47.5	852.532	852.532	852.532	852.532	852.532	852.532	852.532
50.0	796.969	796.969	796.969	796.969	796.969	796.969	796.969
52.5	742.154	742.154	742.154	742.154	742.154	742.154	742.154
55.0	686.650	686.650	686.650	686.650	686.650	686.650	686.650
57.5	631.426	631.426	631.426	631.426	631.426	631.426	631.426
60.0	574.879	574.879	574.879	574.879	574.879	574.879	574.879
62.5	518.766	518.766	518.766	518.766	518.766	518.766	518.766
65.0	463.589	463.589	463.589	463.589	463.589	463.589	463.589
67.5	408.260	408.260	408.260	408.260	408.260	408.260	408.260
70.0	353.235	353.235	353.235	353.235	353.235	353.235	353.235
72.5	299.286	299.286	299.286	299.286	299.286	299.286	299.286
75.0	246.893	246.893	246.893	246.893	246.893	246.893	246.893
77.5	198.444	198.444	198.444	198.444	198.444	198.444	198.444
80.0	150.801	150.801	150.801	150.801	150.801	150.801	150.801

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CANDELA TABULATION - (Cont.)

82.5	107.991	107.991	107.991	107.991	107.991	107.991	107.991
85.0	69.463	69.463	69.463	69.463	69.463	69.463	69.463
87.5	36.504	36.504	36.504	36.504	36.504	36.504	36.504
90.0	10.600	10.600	10.600	10.600	10.600	10.600	10.600
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	550.60	N.A.	13.90
0-30	1149.89	N.A.	29.00
0-40	1847.77	N.A.	46.60
0-60	3161.28	N.A.	79.70
0-80	3882.94	N.A.	97.90
0-90	3963.12	N.A.	100.00
10-90	3818.98	N.A.	96.30
20-40	1297.17	N.A.	32.70
20-50	1996.65	N.A.	50.40
40-70	1772.36	N.A.	44.70
60-80	721.65	N.A.	18.20
70-80	262.81	N.A.	6.60
80-90	80.19	N.A.	2.00
90-110	1.45	N.A.	0.00
90-120	1.45	N.A.	0.00
90-130	1.45	N.A.	0.00
90-150	1.45	N.A.	0.00
90-180	1.45	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3964.57	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	144.14
10-20	406.46
20-30	599.29
30-40	697.88
40-50	699.48
50-60	614.03
60-70	458.85
70-80	262.81
80-90	80.19
90-100	1.45
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

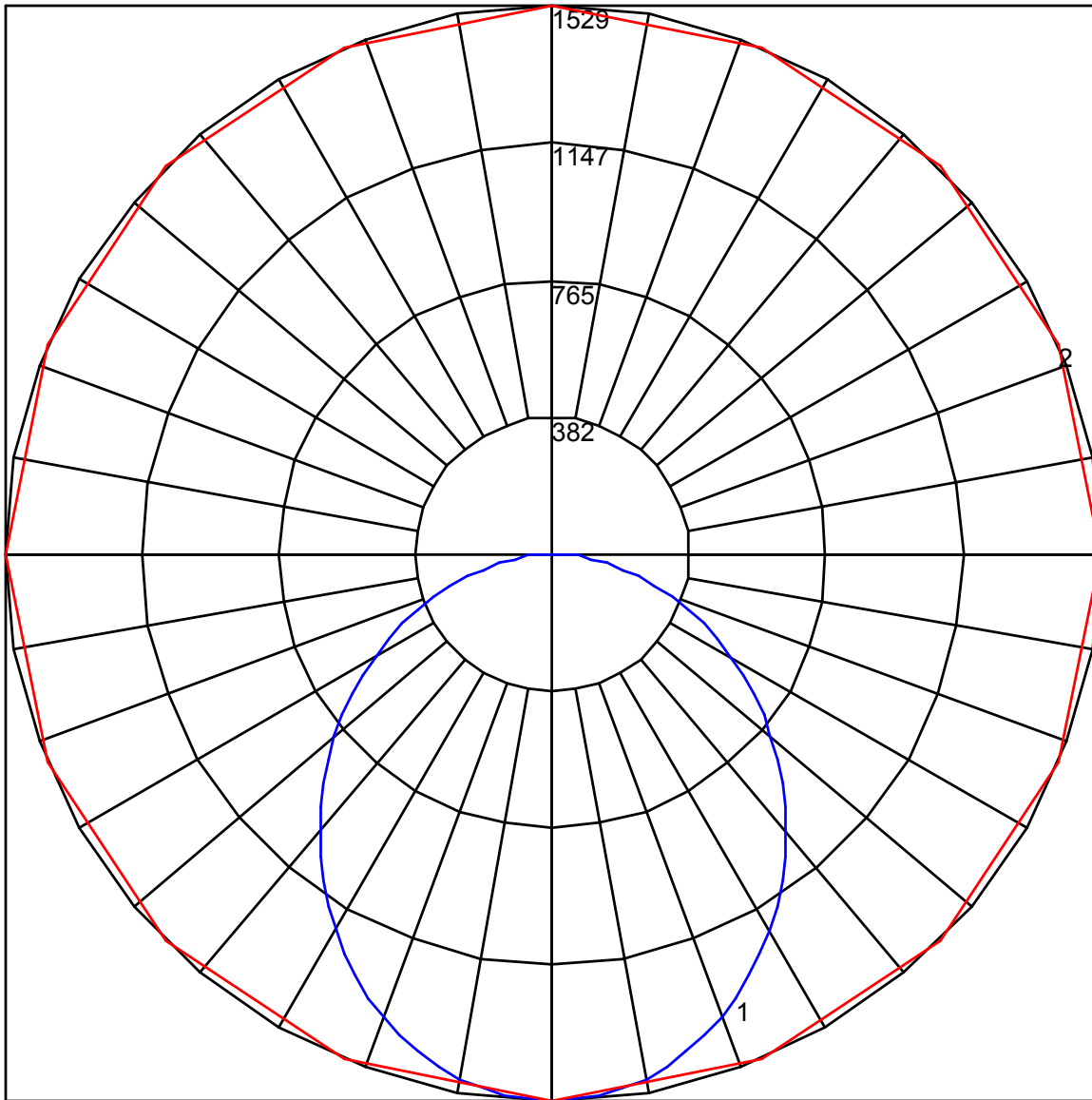
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	100	96	106	102	98	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	78	85	80	76	82	78	74	79	76	72	70
3	90	80	72	66	88	78	71	65	75	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1529.401 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.)