



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] P53-LED35-LO-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	1542
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	18
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	3369	3369	3369
55	3146	3146	3146
65	2883	2883	2883
75	2507	2507	2507
85	2095	2095	2095

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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	594.767	594.767	594.767	594.767	594.767	594.767	594.767	594.767	594.767	594.767
2.5	593.807	593.807	593.807	593.807	593.807	593.807	593.807	593.807	593.807	593.807
5.0	590.995	590.995	590.995	590.995	590.995	590.995	590.995	590.995	590.995	590.995
7.5	586.208	586.208	586.208	586.208	586.208	586.208	586.208	586.208	586.208	586.208
10.0	579.738	579.738	579.738	579.738	579.738	579.738	579.738	579.738	579.738	579.738
12.5	571.030	571.030	571.030	571.030	571.030	571.030	571.030	571.030	571.030	571.030
15.0	561.051	561.051	561.051	561.051	561.051	561.051	561.051	561.051	561.051	561.051
17.5	549.331	549.331	549.331	549.331	549.331	549.331	549.331	549.331	549.331	549.331
20.0	536.186	536.186	536.186	536.186	536.186	536.186	536.186	536.186	536.186	536.186
22.5	522.113	522.113	522.113	522.113	522.113	522.113	522.113	522.113	522.113	522.113
25.0	506.256	506.256	506.256	506.256	506.256	506.256	506.256	506.256	506.256	506.256
27.5	489.375	489.375	489.375	489.375	489.375	489.375	489.375	489.375	489.375	489.375
30.0	471.594	471.594	471.594	471.594	471.594	471.594	471.594	471.594	471.594	471.594
32.5	453.162	453.162	453.162	453.162	453.162	453.162	453.162	453.162	453.162	453.162
35.0	433.993	433.993	433.993	433.993	433.993	433.993	433.993	433.993	433.993	433.993
37.5	414.014	414.014	414.014	414.014	414.014	414.014	414.014	414.014	414.014	414.014
40.0	394.389	394.389	394.389	394.389	394.389	394.389	394.389	394.389	394.389	394.389
42.5	373.387	373.387	373.387	373.387	373.387	373.387	373.387	373.387	373.387	373.387
45.0	352.475	352.475	352.475	352.475	352.475	352.475	352.475	352.475	352.475	352.475
47.5	331.540	331.540	331.540	331.540	331.540	331.540	331.540	331.540	331.540	331.540
50.0	309.932	309.932	309.932	309.932	309.932	309.932	309.932	309.932	309.932	309.932
52.5	288.616	288.616	288.616	288.616	288.616	288.616	288.616	288.616	288.616	288.616
55.0	267.030	267.030	267.030	267.030	267.030	267.030	267.030	267.030	267.030	267.030
57.5	245.554	245.554	245.554	245.554	245.554	245.554	245.554	245.554	245.554	245.554
60.0	223.564	223.564	223.564	223.564	223.564	223.564	223.564	223.564	223.564	223.564
62.5	201.742	201.742	201.742	201.742	201.742	201.742	201.742	201.742	201.742	201.742
65.0	180.285	180.285	180.285	180.285	180.285	180.285	180.285	180.285	180.285	180.285
67.5	158.768	158.768	158.768	158.768	158.768	158.768	158.768	158.768	158.768	158.768
70.0	137.369	137.369	137.369	137.369	137.369	137.369	137.369	137.369	137.369	137.369
72.5	116.389	116.389	116.389	116.389	116.389	116.389	116.389	116.389	116.389	116.389
75.0	96.014	96.014	96.014	96.014	96.014	96.014	96.014	96.014	96.014	96.014
77.5	77.173	77.173	77.173	77.173	77.173	77.173	77.173	77.173	77.173	77.173
80.0	58.645	58.645	58.645	58.645	58.645	58.645	58.645	58.645	58.645	58.645
82.5	41.997	41.997	41.997	41.997	41.997	41.997	41.997	41.997	41.997	41.997
85.0	27.013	27.013	27.013	27.013	27.013	27.013	27.013	27.013	27.013	27.013
87.5	14.196	14.196	14.196	14.196	14.196	14.196	14.196	14.196	14.196	14.196
90.0	4.122	4.122	4.122	4.122	4.122	4.122	4.122	4.122	4.122	4.122
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	594.767	594.767	594.767	594.767	594.767	594.767	594.767
2.5	593.807	593.807	593.807	593.807	593.807	593.807	593.807
5.0	590.995	590.995	590.995	590.995	590.995	590.995	590.995
7.5	586.208	586.208	586.208	586.208	586.208	586.208	586.208
10.0	579.738	579.738	579.738	579.738	579.738	579.738	579.738
12.5	571.030	571.030	571.030	571.030	571.030	571.030	571.030
15.0	561.051	561.051	561.051	561.051	561.051	561.051	561.051
17.5	549.331	549.331	549.331	549.331	549.331	549.331	549.331
20.0	536.186	536.186	536.186	536.186	536.186	536.186	536.186
22.5	522.113	522.113	522.113	522.113	522.113	522.113	522.113
25.0	506.256	506.256	506.256	506.256	506.256	506.256	506.256
27.5	489.375	489.375	489.375	489.375	489.375	489.375	489.375
30.0	471.594	471.594	471.594	471.594	471.594	471.594	471.594
32.5	453.162	453.162	453.162	453.162	453.162	453.162	453.162
35.0	433.993	433.993	433.993	433.993	433.993	433.993	433.993
37.5	414.014	414.014	414.014	414.014	414.014	414.014	414.014
40.0	394.389	394.389	394.389	394.389	394.389	394.389	394.389
42.5	373.387	373.387	373.387	373.387	373.387	373.387	373.387
45.0	352.475	352.475	352.475	352.475	352.475	352.475	352.475
47.5	331.540	331.540	331.540	331.540	331.540	331.540	331.540
50.0	309.932	309.932	309.932	309.932	309.932	309.932	309.932
52.5	288.616	288.616	288.616	288.616	288.616	288.616	288.616
55.0	267.030	267.030	267.030	267.030	267.030	267.030	267.030
57.5	245.554	245.554	245.554	245.554	245.554	245.554	245.554
60.0	223.564	223.564	223.564	223.564	223.564	223.564	223.564
62.5	201.742	201.742	201.742	201.742	201.742	201.742	201.742
65.0	180.285	180.285	180.285	180.285	180.285	180.285	180.285
67.5	158.768	158.768	158.768	158.768	158.768	158.768	158.768
70.0	137.369	137.369	137.369	137.369	137.369	137.369	137.369
72.5	116.389	116.389	116.389	116.389	116.389	116.389	116.389
75.0	96.014	96.014	96.014	96.014	96.014	96.014	96.014
77.5	77.173	77.173	77.173	77.173	77.173	77.173	77.173
80.0	58.645	58.645	58.645	58.645	58.645	58.645	58.645

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82.5	41.997	41.997	41.997	41.997	41.997	41.997	41.997
85.0	27.013	27.013	27.013	27.013	27.013	27.013	27.013
87.5	14.196	14.196	14.196	14.196	14.196	14.196	14.196
90.0	4.122	4.122	4.122	4.122	4.122	4.122	4.122
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	214.12	N.A.	13.90
0-30	447.18	N.A.	29.00
0-40	718.58	N.A.	46.60
0-60	1229.39	N.A.	79.70
0-80	1510.03	N.A.	97.90
0-90	1541.21	N.A.	100.00
10-90	1485.16	N.A.	96.30
20-40	504.46	N.A.	32.70
20-50	776.47	N.A.	50.40
40-70	689.25	N.A.	44.70
60-80	280.64	N.A.	18.20
70-80	102.20	N.A.	6.60
80-90	31.18	N.A.	2.00
90-110	0.56	N.A.	0.00
90-120	0.56	N.A.	0.00
90-130	0.56	N.A.	0.00
90-150	0.56	N.A.	0.00
90-180	0.56	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1541.78	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	56.05
10-20	158.07
20-30	233.06
30-40	271.40
40-50	272.02
50-60	238.79
60-70	178.44
70-80	102.20
80-90	31.18
90-100	0.56
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

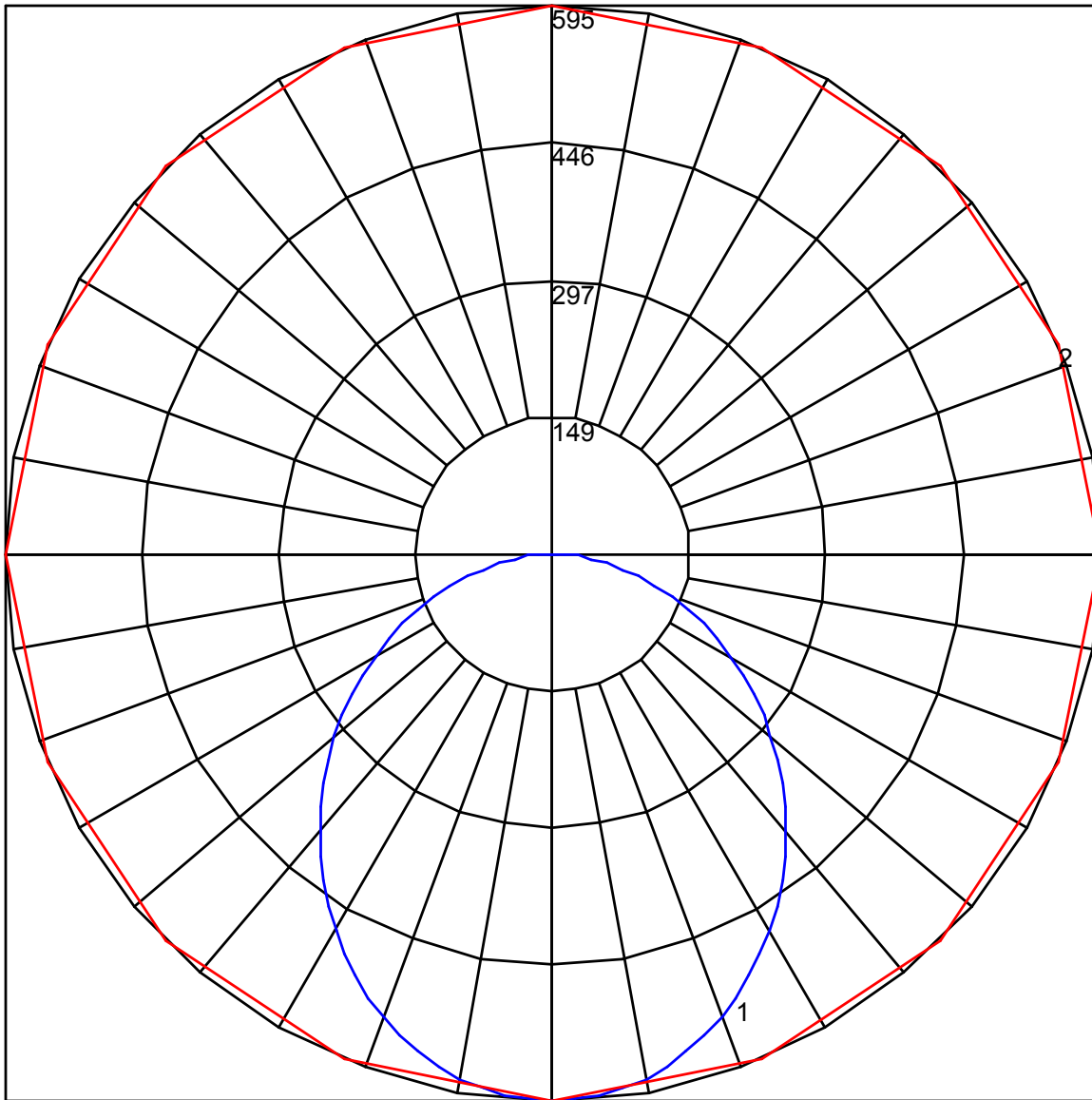
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 594.767 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.)