



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PRU15-LED4-1000 LUMENS PER FOOT-UP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031506602
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 3/20/2015
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] Pru15-LED4-1000 lm-Up
 [LUMINAIRE] 48-1/4"L. X 9"W. X 2-3/4"H. LED LUMINAIRE
 [MORE] DIFFUSED LENS
 [BALLASTCAT] OSRAM OPTOTRONIC
 [BALLAST] INPUT: 120-277VAC
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [TEST CONDITION] PHOTOMETRIC AND ELECTRICAL VALUES ARE PRORATED FROM
 [MORE] LIGHT LABORATORY L021502301. PHOTOMETRIC VALUES ONLY INCLUDE
 [MORE] VERTICAL 0 TO 90 DEGREES. INPUT POWER AND CURRENT IS DIVIDED BY 2.
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	43.485	51.422	72.404	92.606	102.531	112.106	135.681	189.755	266.702	481.202
100	81.120	87.984	103.760	126.575	158.399	192.777	227.507	257.615	294.138	442.787
105	127.998	134.589	149.838	168.344	185.660	213.311	250.088	290.082	391.131	520.709
110	177.041	184.217	200.987	222.456	242.658	258.629	283.725	318.221	375.336	474.533
115	232.226	238.973	256.464	280.625	306.423	328.731	346.788	374.108	428.201	502.398
120	290.492	297.024	314.340	336.317	369.174	394.037	423.872	453.414	497.367	561.678
125	343.805	349.830	365.976	388.187	422.039	453.921	484.088	515.619	557.057	615.947
130	401.330	405.288	420.323	444.678	475.800	509.711	542.081	575.250	613.802	664.970
135	450.860	454.584	468.312	490.757	520.260	553.937	588.783	621.602	657.131	700.148
140	493.838	497.192	508.853	528.411	555.458	587.145	620.900	652.997	686.556	722.378
145	535.490	538.103	547.287	563.024	585.488	612.573	642.642	672.750	703.268	733.103
150	578.448	580.184	586.794	597.968	615.245	635.895	660.387	685.113	710.405	736.457
155	619.320	619.905	623.981	632.054	644.085	658.535	676.806	695.507	715.416	735.755
160	654.401	655.454	658.320	662.630	671.132	680.999	692.660	705.140	717.737	732.947
165	684.392	685.133	687.083	689.091	694.688	700.070	707.012	714.987	720.818	729.476
170	706.719	707.285	708.435	708.864	711.887	714.188	718.049	720.993	724.445	727.896
175	720.720	720.233	720.330	719.921	722.534	723.177	725.088	726.453	726.882	728.442
180	727.292	727.292	727.292	727.292	727.292	727.292	727.292	727.292	727.292	727.292

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	666.569	742.892	690.729	581.217	476.327	414.804	372.762	349.791	343.239
100	675.129	993.116	1281.618	1429.233	1429.916	1366.658	1293.318	1243.106	1226.024
105	654.947	807.749	1003.841	1215.513	1392.320	1520.435	1594.203	1630.044	1639.814
110	593.463	733.512	887.543	1041.632	1177.703	1285.655	1364.474	1408.992	1424.885
115	601.068	717.698	844.175	968.760	1079.774	1163.429	1224.210	1259.466	1272.570
120	647.166	747.162	853.866	956.670	1047.287	1116.882	1167.758	1196.189	1209.117
125	691.938	779.045	870.909	960.414	1037.673	1100.444	1145.294	1168.674	1179.068
130	730.119	805.331	884.540	960.395	1025.837	1079.910	1116.804	1140.204	1148.063
135	753.227	813.774	878.358	942.416	999.083	1044.576	1078.857	1098.786	1105.865
140	762.548	808.197	857.279	906.282	950.918	988.397	1014.800	1033.949	1041.300
145	764.108	796.770	830.817	864.884	895.499	922.175	941.460	955.344	959.147
150	761.124	785.714	807.359	829.706	848.523	864.981	877.383	883.779	886.743
155	754.709	773.097	788.190	803.361	815.120	825.786	832.923	837.486	837.408
160	745.485	758.492	770.211	780.195	787.586	795.561	799.676	803.361	805.019
165	737.256	744.920	751.569	757.517	762.275	766.779	768.378	771.986	773.565
170	731.211	734.838	737.373	739.791	741.351	743.204	744.315	746.499	747.221
175	729.671	730.178	729.710	730.217	729.983	730.743	730.704	731.679	733.512
180	727.292	727.292	727.292	727.292	727.292	727.292	727.292	727.292	727.292

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	1103.23	N.A.	27.30
90-120	1755.69	N.A.	43.40
90-130	2386.26	N.A.	59.00
90-150	3426.67	N.A.	84.80
90-180	4041.3	N.A.	100.00
110-180	2938.07	N.A.	72.70
0-180	4041.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

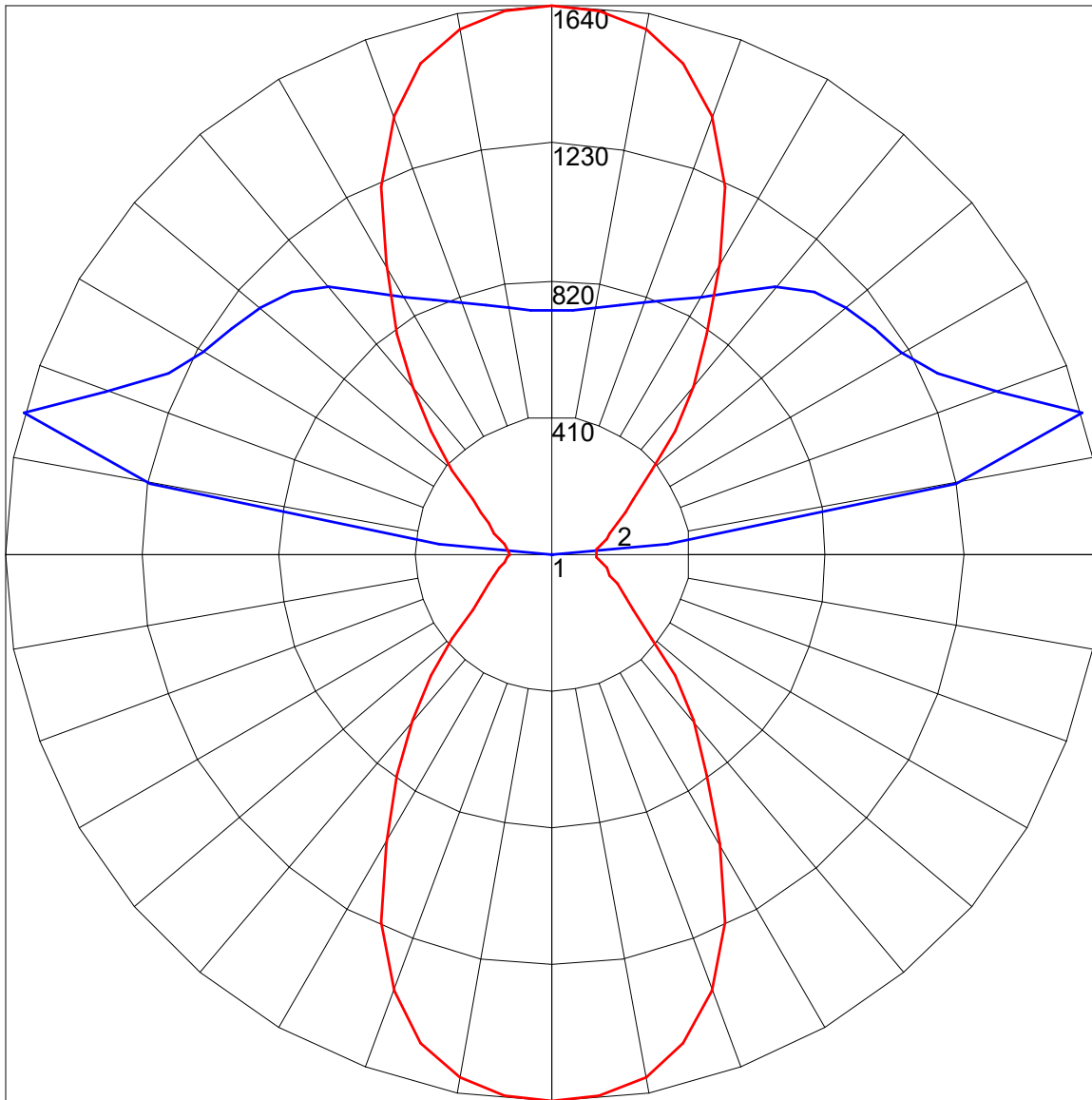
Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	366.66
100-110	736.57
110-120	652.46
120-130	630.57
130-140	575.38
140-150	465.03
150-160	338.62
160-170	206.62
170-180	69.40

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Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 1639.814 Located At Horizontal Angle = 90, Vertical Angle = 105
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (105) (Through Max. Cd.)