

IES INDOOR REPORT

PHOTOMETRIC FILENAME : PRU1-STD-LED35-MO-04-NW-SYM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] CSA Group

[ISSUE DATE] 12/1/2022

[MANUFAC] Prudential Lighting

[LUMCAT] Pru1-STD-LED35-MO-04-NW-SYM

[LUMINAIRE] LED Luminaire

[BALLASTCAT] OSRAM OPTOTRONIC OTi48/120-277/2A0 DIM-1L-G2

[OTHER] THE CANDELA VALUES ARE ABSOLUTE AND SHOULD NOT BE FACTORED

[MORE] FOR DIFFERENT LAMP RATINGS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1660
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	19
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	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.097
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.214
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.113	1.537
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.389	1.972
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.240	1.881	2.655
55.0	0.000	0.000	0.000	0.000	0.000	0.000	1.113	1.638	2.549	3.715
57.5	0.000	0.000	0.000	0.000	0.000	0.000	1.336	2.178	3.413	5.173
60.0	0.000	0.000	0.000	0.000	0.000	1.166	1.770	2.952	4.818	6.996
62.5	0.000	0.000	0.000	0.000	0.000	1.383	2.374	4.171	6.487	9.158
65.0	0.000	0.000	0.000	0.000	1.071	1.797	3.360	5.692	8.464	11.575
67.5	0.000	0.000	0.000	0.000	1.320	2.443	4.696	7.590	10.860	14.400
70.0	0.000	0.000	0.000	0.000	1.728	3.556	6.360	9.816	13.658	17.734
72.5	0.000	0.000	0.000	1.155	2.369	4.940	8.374	12.413	16.939	21.560
75.0	0.000	0.000	0.000	1.516	3.535	6.784	10.886	15.545	20.755	25.954
77.5	0.000	0.000	0.000	2.247	5.051	9.010	13.928	19.382	25.106	30.947
80.0	0.000	0.000	1.336	3.381	7.044	11.946	17.675	23.818	30.247	36.586
82.5	1.182	0.000	2.078	5.024	9.757	15.667	22.159	28.964	35.982	42.882
85.0	1.203	1.399	3.350	7.653	13.504	20.161	27.459	35.012	42.559	49.990
87.5	1.341	2.131	5.788	11.406	18.269	25.784	33.856	41.944	49.884	57.791
90.0	1.797	4.579	9.863	16.637	24.263	32.600	41.059	49.645	58.167	66.282
92.5	7.314	10.192	16.335	23.675	31.768	40.614	49.438	58.390	67.220	75.742
95.0	17.188	19.260	25.106	32.515	40.932	49.899	59.132	68.381	77.094	86.030
97.5	29.585	31.185	36.167	43.227	51.458	60.521	69.817	78.949	88.346	97.546
100.0	43.386	44.838	49.210	55.645	63.473	72.403	81.530	90.651	100.249	108.968
102.5	58.708	60.012	63.817	69.525	77.189	85.447	94.467	103.546	112.832	121.805
105.0	74.825	76.315	79.670	84.652	91.653	99.884	108.115	117.469	126.458	135.129
107.5	92.231	93.492	96.211	100.907	107.336	115.063	122.918	132.039	140.752	149.269
110.0	110.367	111.814	113.547	117.612	124.460	130.693	138.876	147.223	155.513	164.332
112.5	128.361	129.362	131.535	136.115	141.171	147.647	155.412	163.150	171.110	179.977
115.0	148.098	149.126	150.695	153.525	158.269	165.439	172.467	179.426	187.328	196.169
117.5	167.045	167.395	168.566	171.646	177.137	183.571	189.698	196.195	204.326	212.949
120.0	185.924	186.247	188.102	191.669	196.100	201.792	207.140	213.558	221.932	229.893
122.5	206.848	206.938	208.263	211.269	214.936	219.674	225.149	232.108	239.740	247.160
125.0	226.639	226.654	227.831	230.688	233.523	238.002	243.917	250.785	257.416	264.443
127.5	246.344	246.275	247.065	249.370	252.291	257.262	263.410	269.160	275.006	279.586
130.0	265.397	265.519	266.256	268.705	272.256	277.201	282.039	285.442	289.486	295.687
132.5	284.488	285.198	286.025	286.444	288.723	293.132	297.203	301.697	306.478	311.550

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135.0	303.149	302.079	302.884	304.278	307.177	310.993	315.202	320.035	323.735	328.611
137.5	322.118	321.127	322.653	323.544	326.183	329.713	333.571	337.499	340.912	345.878
140.0	341.076	340.255	341.776	342.412	345.189	348.491	351.051	354.310	358.338	363.045
142.5	360.214	359.361	360.702	361.322	363.808	365.668	367.836	371.318	375.590	379.999
145.0	378.876	377.832	378.823	378.764	380.180	382.247	384.589	388.108	392.364	396.625
147.5	396.387	395.216	395.751	395.486	396.922	399.244	401.565	404.681	408.921	413.066
150.0	414.359	412.748	413.135	412.706	414.057	416.023	417.878	420.884	424.927	428.134
152.5	431.499	429.623	430.127	429.523	430.461	432.241	433.641	436.195	439.375	441.962
155.0	447.468	445.666	446.196	445.486	446.085	447.712	448.486	450.224	452.821	454.984
157.5	462.107	459.966	460.676	460.289	460.241	461.460	461.535	462.791	465.239	466.517
160.0	475.728	472.930	473.730	473.094	472.993	473.884	473.730	474.355	475.972	476.989
162.5	487.028	483.996	484.611	483.901	484.054	484.590	484.070	484.378	485.082	486.121
165.0	496.228	493.266	493.764	493.451	492.969	493.584	492.683	492.704	493.350	494.363
167.5	504.194	501.200	501.703	500.972	500.378	501.327	500.341	499.869	500.505	501.041
170.0	511.349	508.190	508.556	508.053	507.385	507.660	506.987	506.346	506.749	507.263
172.5	516.967	513.952	514.079	513.649	513.247	513.459	512.409	512.139	512.356	513.003
175.0	521.748	518.748	519.061	518.695	518.139	518.557	517.253	516.490	516.845	517.259
177.5	524.912	521.859	522.273	521.716	521.319	521.520	520.365	519.575	519.718	519.972
180.0	521.711	521.711	521.711	521.711	521.711	521.711	521.711	521.711	521.711	521.711

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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	1.139	1.081	1.150	1.214	1.245	1.336
37.5	0.000	0.000	1.097	1.240	1.341	1.484	1.590	1.627	1.648
40.0	0.000	1.161	1.336	1.590	1.770	1.977	2.189	2.221	2.252
42.5	1.192	1.468	1.786	2.104	2.443	2.788	3.005	3.153	3.175
45.0	1.590	1.940	2.411	2.963	3.418	3.832	4.192	4.383	4.447
47.5	2.046	2.666	3.387	4.065	4.765	5.417	5.952	6.190	6.381
50.0	2.745	3.652	4.606	5.719	6.651	7.425	8.077	8.422	8.586
52.5	3.758	5.088	6.424	7.780	8.952	9.884	10.584	11.040	11.183
55.0	5.263	6.943	8.597	10.187	11.512	12.646	13.520	14.018	14.162
57.5	7.144	9.148	11.125	12.879	14.633	15.794	16.721	17.363	17.522
60.0	9.370	11.708	13.960	16.059	17.808	19.366	20.416	21.142	21.301
62.5	11.830	14.580	17.140	19.578	21.703	23.309	24.534	25.329	25.578
65.0	14.808	17.845	20.877	23.500	25.880	27.788	29.155	30.014	30.258
67.5	18.099	21.656	25.032	28.069	30.650	32.690	34.333	35.208	35.468
70.0	21.873	25.912	29.648	33.035	35.881	38.186	39.845	40.863	41.207
72.5	26.193	30.666	34.869	38.526	41.684	44.133	45.983	47.027	47.461
75.0	31.090	36.093	40.571	44.589	47.981	50.769	52.724	53.821	54.304
77.5	36.734	42.071	46.931	51.330	55.062	57.855	59.943	61.167	61.623
80.0	42.734	48.543	53.874	58.602	62.455	65.534	67.845	69.070	69.568

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82.5	49.566	55.724	61.400	66.404	70.596	73.882	76.198	77.581	78.111
85.0	57.076	63.642	69.637	74.873	79.272	82.744	85.208	86.676	87.180
87.5	65.169	72.250	78.440	84.031	88.658	92.172	94.785	96.290	96.868
90.0	74.152	81.366	87.953	93.720	98.569	102.295	105.030	106.594	107.251
92.5	83.931	91.319	98.262	104.124	109.159	113.075	115.789	117.490	118.052
95.0	94.393	102.073	109.053	115.190	120.416	124.317	127.221	128.907	129.410
97.5	105.671	113.494	120.570	126.956	132.092	136.247	139.189	140.922	141.632
100.0	117.596	125.711	133.348	139.729	145.061	149.206	152.046	153.695	154.331
102.5	130.698	138.849	145.999	152.348	157.956	162.371	165.630	167.247	167.893
105.0	144.287	152.513	159.800	166.388	172.409	176.591	179.453	181.037	181.816
107.5	158.422	166.515	173.835	180.555	186.745	191.129	193.794	195.596	196.360
110.0	173.289	181.149	188.304	195.008	201.188	205.714	208.486	210.050	210.723
112.5	188.595	196.391	203.377	210.118	216.272	220.782	223.368	224.815	225.695
115.0	204.336	212.053	218.609	225.711	231.859	236.120	238.606	240.090	240.768
117.5	220.644	227.905	234.498	241.542	247.642	251.798	254.077	255.529	256.202
120.0	237.477	244.102	250.817	257.750	263.659	267.692	269.765	271.121	271.874
122.5	254.426	260.670	267.502	274.360	277.709	281.340	283.561	284.939	285.590
125.0	271.037	276.893	282.013	288.792	294.007	297.298	298.114	299.492	300.102
127.5	285.659	291.998	297.674	302.911	307.617	310.697	312.695	314.051	314.560
130.0	300.372	306.690	313.548	319.367	323.570	326.273	328.165	329.485	330.126
132.5	317.390	323.883	330.185	335.395	339.184	341.744	343.578	344.913	345.719
135.0	334.568	340.779	346.609	351.305	354.687	356.891	358.757	360.156	360.787
137.5	351.644	357.453	362.817	366.988	369.818	371.843	373.555	374.864	375.611
140.0	368.435	374.069	378.696	382.194	384.669	386.582	387.986	389.243	390.016
142.5	385.220	389.990	394.076	397.023	398.814	400.632	402.063	403.176	403.860
145.0	401.385	405.476	408.688	411.200	412.663	414.221	415.658	416.797	417.375
147.5	416.633	420.014	422.797	424.567	426.062	426.947	428.563	429.851	430.249
150.0	430.991	433.524	435.745	437.356	438.416	439.608	440.865	442.131	442.460
152.5	444.474	446.355	447.908	449.090	450.389	450.839	452.493	453.150	453.775
155.0	456.632	457.946	459.107	460.247	461.312	461.805	463.342	463.877	464.587
157.5	467.789	468.721	469.453	470.481	471.583	472.044	473.226	474.043	474.345
160.0	477.488	478.177	479.009	480.016	480.418	481.330	482.205	482.835	483.031
162.5	486.609	487.028	487.717	488.273	489.185	489.450	490.451	490.928	491.066
165.0	494.410	494.781	495.062	495.746	496.281	496.827	497.622	498.126	498.295
167.5	501.147	501.237	502.080	502.535	503.002	503.124	503.866	503.988	504.401
170.0	507.565	507.713	508.291	508.445	508.583	508.636	509.033	509.272	509.457
172.5	512.807	512.706	512.976	513.501	513.406	513.798	514.079	514.275	513.740
175.0	517.100	517.068	517.079	517.423	517.412	517.428	517.407	517.736	517.911
177.5	520.084	519.919	519.850	519.850	520.200	519.797	520.195	520.624	520.603
180.0	521.711	521.711	521.711	521.711	521.711	521.711	521.711	521.711	521.711

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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	0.21	N.A.	0.00
0-60	6.66	N.A.	0.40
0-80	48.08	N.A.	2.90
0-90	99.89	N.A.	6.00
10-90	99.89	N.A.	6.00
20-40	0.21	N.A.	0.00
20-50	1.56	N.A.	0.10
40-70	19.82	N.A.	1.20
60-80	41.41	N.A.	2.50
70-80	28.05	N.A.	1.70
80-90	51.81	N.A.	3.10
90-110	229.17	N.A.	13.80
90-120	422.79	N.A.	25.50
90-130	658.48	N.A.	39.70
90-150	1162.2	N.A.	70.00
90-180	1560.12	N.A.	94.00
110-180	1330.94	N.A.	80.20
0-180	1660.01	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	0.21
40-50	1.35
50-60	5.11
60-70	13.36
70-80	28.05
80-90	51.81
90-100	88.97
100-110	140.20
110-120	193.62
120-130	235.69
130-140	255.42
140-150	248.31
150-160	209.22
160-170	139.58
170-180	49.11

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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	97	97	97	97	83	83	83	83	59	59	59	36	36	36	16	16	16	6
1	87	82	78	74	74	71	67	64	49	47	45	30	28	27	12	11	10	2
2	78	71	65	60	67	61	56	52	43	39	36	25	24	22	10	9	8	1
3	71	62	55	49	61	53	47	43	37	33	30	22	20	18	8	7	6	1
4	65	54	47	41	55	47	41	36	33	29	25	20	17	15	7	6	5	0
5	59	48	40	35	51	42	35	30	29	25	21	17	15	13	6	5	5	0
6	54	43	35	30	46	37	31	26	26	22	18	16	13	11	6	5	4	0
7	50	38	31	26	43	33	27	22	23	19	16	14	11	10	5	4	3	0
8	46	35	27	22	40	30	24	19	21	17	14	13	10	8	5	4	3	0
9	43	31	24	19	37	27	21	17	19	15	12	11	9	7	4	3	3	0
10	40	28	22	17	34	25	19	15	17	13	11	11	8	6	4	3	2	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRU1-STD-LED35-MO-04-NW-SYM.IES

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