

IES INDOOR REPORT

PHOTOMETRIC FILENAME : PRU1-STD-LED35-SO-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-SO-04-NW-SYM

[LUMINAIRE] LED Luminaire

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

[OTHER] THE CANDELA VALUES ARE ABOSOLUTE 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	2443
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	28
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	1.615
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.786
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.638	2.262
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.044	2.902
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.825	2.769	3.908
55.0	0.000	0.000	0.000	0.000	0.000	0.000	1.638	2.410	3.752	5.468
57.5	0.000	0.000	0.000	0.000	0.000	0.000	1.966	3.206	5.023	7.613
60.0	0.000	0.000	0.000	0.000	0.000	1.716	2.605	4.345	7.090	10.296
62.5	0.000	0.000	0.000	0.000	0.000	2.036	3.494	6.139	9.547	13.478
65.0	0.000	0.000	0.000	0.000	1.576	2.644	4.945	8.377	12.457	17.035
67.5	0.000	0.000	0.000	0.000	1.942	3.596	6.911	11.170	15.982	21.193
70.0	0.000	0.000	0.000	0.000	2.543	5.234	9.360	14.446	20.101	26.099
72.5	0.000	0.000	0.000	1.700	3.487	7.270	12.324	18.268	24.929	31.730
75.0	0.000	0.000	0.000	2.231	5.203	9.984	16.021	22.877	30.545	38.197
77.5	0.000	0.000	0.000	3.307	7.433	13.260	20.498	28.525	36.949	45.544
80.0	0.000	0.000	1.966	4.976	10.366	17.581	26.013	35.053	44.515	53.843
82.5	1.739	0.000	3.058	7.394	14.360	23.057	32.612	42.627	52.954	63.110
85.0	1.771	2.059	4.930	11.263	19.874	29.671	40.412	51.527	62.634	73.570
87.5	1.973	3.136	8.518	16.786	26.887	37.947	49.826	61.729	73.414	85.051
90.0	2.644	6.739	14.516	24.484	35.708	47.978	60.427	73.063	85.605	97.547
92.5	10.764	14.999	24.040	34.843	46.753	59.771	72.758	85.933	98.927	111.470
95.0	25.295	28.345	36.949	47.853	60.239	73.437	87.025	100.636	113.459	126.610
97.5	43.540	45.895	53.227	63.617	75.730	89.068	102.749	116.189	130.018	143.559
100.0	63.851	65.988	72.423	81.892	93.413	106.556	119.987	133.411	147.537	160.368
102.5	86.401	88.319	93.920	102.320	113.599	125.752	139.027	152.389	166.054	179.260
105.0	110.120	112.312	117.250	124.582	134.885	146.999	159.112	172.879	186.108	198.869
107.5	135.736	137.592	141.593	148.504	157.966	169.338	180.898	194.321	207.145	219.679
110.0	162.427	164.557	167.107	173.090	183.167	192.340	204.383	216.668	228.868	241.847
112.5	188.908	190.382	193.580	200.320	207.761	217.292	228.719	240.107	251.823	264.872
115.0	217.955	219.469	221.777	225.943	232.924	243.477	253.820	264.061	275.691	288.701
117.5	245.840	246.355	248.079	252.611	260.692	270.161	279.178	288.740	300.706	313.396
120.0	273.624	274.100	276.830	282.079	288.600	296.977	304.847	314.293	326.617	338.333
122.5	304.418	304.551	306.501	310.924	316.321	323.294	331.352	341.593	352.825	363.745
125.0	333.544	333.567	335.299	339.503	343.676	350.267	358.972	369.080	378.838	389.181
127.5	362.544	362.443	363.605	366.998	371.296	378.612	387.660	396.123	404.726	411.466
130.0	390.585	390.764	391.849	395.452	400.678	407.956	415.077	420.085	426.036	435.162
132.5	418.681	419.726	420.943	421.559	424.913	431.402	437.393	444.007	451.043	458.507

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135.0	446.144	444.569	445.754	447.806	452.072	457.688	463.882	470.995	476.440	483.616
137.5	474.061	472.602	474.848	476.159	480.043	485.238	490.916	496.696	501.719	509.028
140.0	501.961	500.752	502.991	503.927	508.014	512.873	516.641	521.438	527.366	534.292
142.5	530.127	528.871	530.845	531.757	535.415	538.153	541.343	546.468	552.755	559.244
145.0	557.591	556.054	557.513	557.427	559.510	562.552	565.999	571.178	577.442	583.713
147.5	583.362	581.638	582.426	582.036	584.150	587.566	590.983	595.569	601.809	607.909
150.0	609.812	607.441	608.010	607.378	609.367	612.261	614.991	619.414	625.365	630.084
152.5	635.037	632.276	633.017	632.128	633.508	636.129	638.188	641.948	646.628	650.434
155.0	658.538	655.886	656.666	655.621	656.503	658.897	660.036	662.594	666.416	669.599
157.5	680.082	676.931	677.976	677.407	677.336	679.130	679.240	681.088	684.692	686.572
160.0	700.128	696.010	697.187	696.251	696.103	697.414	697.187	698.108	700.487	701.984
162.5	716.758	712.296	713.201	712.156	712.382	713.170	712.405	712.858	713.895	715.424
165.0	730.298	725.938	726.671	726.211	725.501	726.406	725.080	725.111	726.063	727.553
167.5	742.022	737.615	738.356	737.279	736.406	737.802	736.351	735.657	736.593	737.381
170.0	752.552	747.903	748.441	747.700	746.717	747.123	746.132	745.189	745.781	746.538
172.5	760.820	756.382	756.569	755.937	755.344	755.656	754.112	753.714	754.034	754.985
175.0	767.855	763.441	763.901	763.363	762.544	763.160	761.241	760.118	760.640	761.249
177.5	772.512	768.019	768.628	767.809	767.224	767.520	765.820	764.657	764.868	765.242
180.0	767.801	767.801	767.801	767.801	767.801	767.801	767.801	767.801	767.801	767.801

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	1.677	1.591	1.693	1.786	1.833	1.966
37.5	0.000	0.000	1.615	1.825	1.973	2.184	2.340	2.395	2.426
40.0	0.000	1.708	1.966	2.340	2.605	2.909	3.221	3.268	3.315
42.5	1.755	2.161	2.629	3.097	3.596	4.103	4.423	4.641	4.672
45.0	2.340	2.855	3.549	4.360	5.031	5.639	6.170	6.451	6.544
47.5	3.011	3.923	4.984	5.983	7.012	7.972	8.759	9.110	9.391
50.0	4.040	5.374	6.778	8.416	9.789	10.928	11.887	12.394	12.636
52.5	5.530	7.488	9.454	11.450	13.174	14.547	15.577	16.247	16.458
55.0	7.745	10.218	12.652	14.992	16.942	18.611	19.898	20.631	20.842
57.5	10.514	13.463	16.372	18.954	21.536	23.244	24.609	25.553	25.787
60.0	13.790	17.230	20.545	23.634	26.208	28.501	30.046	31.114	31.348
62.5	17.410	21.458	25.225	28.813	31.941	34.304	36.106	37.276	37.643
65.0	21.793	26.263	30.724	34.585	38.087	40.895	42.908	44.171	44.530
67.5	26.637	31.871	36.839	41.309	45.107	48.110	50.528	51.815	52.198
70.0	32.191	38.134	43.633	48.617	52.806	56.199	58.640	60.138	60.645
72.5	38.548	45.131	51.316	56.698	61.347	64.951	67.673	69.209	69.849
75.0	45.755	53.118	59.709	65.621	70.613	74.716	77.594	79.209	79.919
77.5	54.062	61.916	69.069	75.543	81.034	85.145	88.218	90.020	90.691
80.0	62.891	71.440	79.287	86.245	91.915	96.447	99.848	101.650	102.383

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82.5	72.946	82.009	90.363	97.726	103.896	108.732	112.141	114.176	114.956
85.0	83.998	93.662	102.484	110.191	116.665	121.774	125.401	127.561	128.302
87.5	95.909	106.330	115.440	123.669	130.478	135.650	139.495	141.710	142.561
90.0	109.130	119.746	129.441	137.927	145.064	150.548	154.573	156.874	157.841
92.5	123.521	134.394	144.612	153.239	160.649	166.413	170.407	172.910	173.737
95.0	138.918	150.220	160.493	169.525	177.216	182.957	187.231	189.712	190.453
97.5	155.516	167.029	177.442	186.841	194.399	200.515	204.844	207.394	208.439
100.0	173.066	185.008	196.248	205.639	213.486	219.586	223.766	226.192	227.128
102.5	192.348	204.344	214.867	224.211	232.463	238.961	243.758	246.137	247.088
105.0	212.347	224.453	235.178	244.873	253.734	259.888	264.100	266.432	267.579
107.5	233.150	245.060	255.832	265.723	274.833	281.284	285.207	287.859	288.982
110.0	255.029	266.596	277.126	286.993	296.088	302.749	306.829	309.130	310.120
112.5	277.555	289.029	299.309	309.231	318.287	324.925	328.731	330.860	332.155
115.0	300.721	312.078	321.727	332.179	341.227	347.498	351.156	353.340	354.338
117.5	324.722	335.408	345.111	355.477	364.455	370.570	373.924	376.061	377.052
120.0	349.495	359.245	369.127	379.330	388.027	393.962	397.012	399.009	400.117
122.5	374.439	383.627	393.682	403.775	408.704	414.047	417.316	419.344	420.303
125.0	398.884	407.503	415.038	425.014	432.689	437.533	438.734	440.762	441.659
127.5	420.404	429.733	438.087	445.793	452.720	457.252	460.192	462.189	462.938
130.0	442.057	451.355	461.448	470.012	476.198	480.176	482.960	484.903	485.846
132.5	467.103	476.658	485.932	493.600	499.177	502.944	505.643	507.608	508.794
135.0	492.383	501.524	510.104	517.015	521.992	525.236	527.982	530.041	530.969
137.5	517.514	526.063	533.957	540.095	544.261	547.240	549.760	551.686	552.786
140.0	542.225	550.516	557.326	562.474	566.116	568.932	570.999	572.848	573.986
142.5	566.927	573.947	579.961	584.298	586.934	589.610	591.716	593.354	594.360
145.0	590.717	596.739	601.466	605.163	607.316	609.609	611.723	613.400	614.250
147.5	613.158	618.134	622.229	624.835	627.034	628.337	630.716	632.611	633.196
150.0	634.288	638.017	641.285	643.656	645.216	646.971	648.820	650.684	651.167
152.5	654.131	656.900	659.186	660.925	662.836	663.499	665.933	666.900	667.820
155.0	672.025	673.959	675.667	677.344	678.912	679.637	681.899	682.687	683.732
157.5	688.444	689.816	690.893	692.406	694.028	694.707	696.446	697.648	698.092
160.0	702.718	703.732	704.956	706.438	707.031	708.373	709.660	710.588	710.876
162.5	716.141	716.758	717.772	718.591	719.932	720.322	721.796	722.498	722.701
165.0	727.623	728.169	728.582	729.589	730.376	731.180	732.350	733.091	733.340
167.5	737.537	737.669	738.910	739.580	740.267	740.446	741.538	741.718	742.326
170.0	746.983	747.201	748.051	748.277	748.480	748.558	749.143	749.494	749.767
172.5	754.697	754.549	754.946	755.719	755.578	756.155	756.569	756.857	756.070
175.0	761.015	760.968	760.984	761.491	761.475	761.498	761.467	761.951	762.208
177.5	765.406	765.164	765.063	765.063	765.578	764.985	765.570	766.202	766.171
180.0	767.801	767.801	767.801	767.801	767.801	767.801	767.801	767.801	767.801

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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	0.30	N.A.	0.00
0-60	9.80	N.A.	0.40
0-80	70.75	N.A.	2.90
0-90	147.01	N.A.	6.00
10-90	147.01	N.A.	6.00
20-40	0.30	N.A.	0.00
20-50	2.29	N.A.	0.10
40-70	29.16	N.A.	1.20
60-80	60.95	N.A.	2.50
70-80	41.29	N.A.	1.70
80-90	76.26	N.A.	3.10
90-110	337.27	N.A.	13.80
90-120	622.22	N.A.	25.50
90-130	969.08	N.A.	39.70
90-150	1710.42	N.A.	70.00
90-180	2296.02	N.A.	94.00
110-180	1958.75	N.A.	80.20
0-180	2443.03	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	0.30
40-50	1.99
50-60	7.52
60-70	19.66
70-80	41.29
80-90	76.26
90-100	130.94
100-110	206.33
110-120	284.95
120-130	346.86
130-140	375.90
140-150	365.43
150-160	307.91
160-170	205.42
170-180	72.28

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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-SO-04-NW-SYM.IES

POLAR GRAPH