

IES INDOOR REPORT

PHOTOMETRIC FILENAME : PRU1-STD-LED35-SO-04-NW-CW.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-CW

[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	2612
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
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	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.10 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	2988	12553
55	0	13354	56041
65	0	65620	171573
75	0	263831	553515
85	33902	1574963	2840077

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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	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.543
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.520	0.000	1.908
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.809	2.546
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.634	2.440	3.732
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.166	3.397	5.594
57.5	0.000	0.000	0.000	0.000	0.000	0.000	1.778	2.972	5.183	8.307
60.0	0.000	0.000	0.000	0.000	0.000	1.558	2.409	4.499	7.752	11.560
62.5	0.000	0.000	0.000	0.000	0.000	1.824	3.557	6.772	10.860	15.572
65.0	0.000	0.000	0.000	0.000	0.000	2.500	5.320	9.667	14.615	20.254
67.5	0.000	0.000	0.000	0.000	1.900	3.914	7.858	13.171	19.213	25.855
70.0	0.000	0.000	0.000	0.000	2.554	5.875	11.081	17.366	24.647	32.520
72.5	0.000	0.000	0.000	1.740	3.990	8.664	15.063	22.587	31.076	39.862
75.0	0.000	0.000	0.000	2.417	6.080	12.130	19.806	28.872	39.132	49.871
77.5	0.000	0.000	1.664	3.853	8.915	16.196	25.696	37.020	48.693	60.382
80.0	1.558	1.604	2.234	5.928	12.434	22.146	33.531	46.018	59.014	72.329
82.5	1.854	1.809	3.580	8.854	18.050	29.344	42.340	56.293	70.824	85.644
85.0	2.158	2.417	6.186	13.855	24.768	37.643	52.356	68.111	84.124	100.252
87.5	2.485	3.906	10.328	20.368	33.083	47.743	63.878	81.252	99.036	116.386
90.0	3.184	7.782	16.842	29.100	43.335	59.690	77.490	95.927	114.935	134.026
92.5	10.807	16.135	26.752	40.044	55.662	73.249	92.249	112.032	132.324	152.844
95.0	25.597	29.389	40.075	53.709	70.072	88.350	108.163	129.276	151.073	172.490
97.5	42.993	46.147	55.890	69.730	86.275	105.123	125.658	147.949	170.795	193.504
100.0	62.632	65.641	74.260	87.696	104.143	123.553	144.620	167.276	191.178	215.452
102.5	83.881	86.853	94.932	107.411	123.698	142.850	164.396	187.682	212.504	237.827
105.0	106.354	109.341	116.713	128.372	144.332	163.316	185.014	208.886	234.240	260.581
107.5	129.656	132.726	139.050	150.282	166.030	184.809	206.720	230.820	256.827	284.141
110.0	153.254	156.203	162.017	172.832	188.237	206.766	228.684	252.746	279.361	307.222
112.5	177.293	179.907	185.569	195.875	210.733	229.216	250.405	274.945	301.484	330.258
115.0	201.210	203.802	209.099	218.971	233.282	251.644	272.665	297.031	323.950	353.218
117.5	225.386	227.438	232.765	242.273	255.892	274.102	295.131	318.797	345.633	375.683
120.0	249.599	251.081	256.416	265.255	278.738	296.499	317.330	340.199	367.065	397.275
122.5	272.703	274.535	279.718	288.998	301.697	318.759	338.474	361.524	388.208	414.428
125.0	296.598	298.353	303.035	312.018	323.874	340.168	359.488	382.592	407.428	430.061
127.5	319.922	321.419	325.911	334.529	345.762	361.327	380.996	402.078	421.853	447.298
130.0	342.768	344.189	348.407	356.448	367.217	382.880	402.154	417.050	439.037	463.174
132.5	364.906	366.578	370.584	378.237	389.523	404.837	416.267	435.328	455.369	477.751

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135.0	386.886	389.082	393.612	400.512	410.233	419.224	434.712	452.192	470.600	491.165
137.5	410.286	410.453	412.194	416.799	426.322	437.996	451.904	467.263	484.439	503.964
140.0	425.889	427.515	431.300	436.301	444.790	454.898	466.708	481.392	497.610	515.630
142.5	445.124	446.682	450.011	453.872	461.639	470.714	481.726	495.056	510.424	526.574
145.0	462.445	464.018	466.982	470.410	477.022	485.686	495.953	508.311	522.112	537.252
147.5	478.906	480.472	483.254	486.332	492.343	500.452	509.177	520.288	533.193	547.033
150.0	496.364	497.298	499.806	501.957	507.087	514.421	522.112	532.334	543.826	555.583
152.5	513.091	514.163	515.766	517.309	521.428	527.577	534.272	543.050	553.546	564.627
155.0	529.104	529.591	531.293	531.939	535.253	540.740	546.280	553.820	563.168	571.976
157.5	542.898	543.142	544.548	545.718	548.378	553.409	557.354	563.821	570.973	577.798
160.0	556.290	556.031	557.468	558.463	560.941	565.037	567.811	571.953	577.410	582.639
162.5	568.009	567.629	568.678	569.628	570.988	573.792	575.426	578.231	582.213	585.922
165.0	576.331	576.544	577.281	577.805	578.649	580.769	580.990	583.186	585.952	588.384
167.5	583.802	583.650	584.014	584.349	584.698	585.626	585.724	586.530	588.567	590.436
170.0	589.175	588.232	588.947	588.977	588.848	589.897	589.418	589.646	591.242	592.990
172.5	593.256	593.545	593.651	593.720	593.180	593.780	593.203	593.309	594.016	594.875
175.0	598.143	597.953	598.112	598.006	597.140	597.740	596.615	596.342	596.744	597.352
177.5	601.692	601.388	601.593	601.228	600.385	600.833	599.374	598.568	598.979	599.572
180.0	600.681	600.681	600.681	600.681	600.681	600.681	600.681	600.681	600.681	600.681

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	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	1.611	1.695	1.763	1.885	1.832
40.0	0.000	0.000	1.626	1.809	2.181	2.424	2.630	2.782	2.850
42.5	1.535	1.748	2.158	2.744	3.108	3.511	3.899	4.142	4.241
45.0	1.877	2.440	3.086	3.876	4.750	5.457	6.065	6.475	6.483
47.5	2.614	3.496	4.727	5.936	7.106	8.216	9.067	9.508	9.705
50.0	3.678	5.252	7.068	8.816	10.488	11.818	12.791	13.452	13.657
52.5	5.647	7.919	10.237	12.487	14.402	16.089	17.168	17.913	18.126
55.0	8.345	11.263	13.999	16.674	19.023	20.877	22.283	23.195	23.476
57.5	11.712	15.261	18.544	21.607	24.373	26.577	28.090	29.017	29.404
60.0	15.770	19.950	23.796	27.428	30.529	32.969	34.876	36.047	36.404
62.5	20.558	25.369	29.876	34.048	37.590	40.447	42.522	43.791	44.224
65.0	26.144	31.578	36.913	41.640	45.676	48.830	51.057	52.470	52.957
67.5	32.558	38.851	44.726	49.924	54.515	58.224	60.967	62.556	62.966
70.0	39.718	47.074	54.302	60.686	66.333	70.665	73.834	75.612	76.342
72.5	49.134	58.262	66.477	73.500	79.215	84.010	87.202	89.080	89.756
75.0	60.238	69.973	78.911	86.655	93.108	98.222	101.726	104.006	104.629
77.5	71.934	82.802	92.682	101.293	108.543	113.863	117.906	120.323	121.250
80.0	85.188	97.272	108.087	117.511	125.377	131.495	135.858	138.267	139.027

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82.5	99.856	113.058	125.035	135.424	144.157	150.693	155.245	158.126	159.136
85.0	115.786	130.363	143.594	154.880	164.365	171.585	176.708	179.786	180.781
87.5	133.410	149.340	163.727	176.046	186.246	194.127	199.880	202.996	204.212
90.0	152.433	169.708	185.113	198.656	209.851	218.568	224.664	228.350	229.398
92.5	172.535	191.186	208.156	222.771	235.121	244.393	250.998	255.033	256.090
95.0	193.808	214.008	232.340	248.414	261.402	271.685	279.194	283.222	284.764
97.5	216.205	237.819	257.344	274.558	289.036	299.881	308.028	312.854	314.435
100.0	239.590	262.823	283.860	301.925	317.551	329.551	338.215	343.330	344.880
102.5	263.249	288.124	310.650	329.954	346.834	360.346	369.998	375.455	376.861
105.0	287.348	313.895	337.546	358.294	376.002	390.572	398.187	403.780	405.247
107.5	312.056	339.378	363.979	385.746	401.858	417.757	425.448	431.444	432.698
110.0	336.444	364.572	389.918	409.921	427.036	443.369	454.875	461.274	463.129
112.5	360.286	388.945	411.829	432.706	454.267	471.253	483.330	489.744	491.621
115.0	383.701	409.283	432.508	457.277	479.750	497.534	509.808	516.762	519.034
117.5	404.586	427.766	454.921	480.107	503.272	521.778	534.204	541.705	543.598
120.0	420.789	448.218	475.365	501.547	524.993	543.810	556.464	563.692	566.116
122.5	439.584	467.073	494.479	521.056	544.373	562.742	575.578	582.829	585.086
125.0	457.330	484.447	511.807	537.768	561.138	578.892	591.782	599.404	601.548
127.5	473.374	500.103	527.068	552.330	575.062	592.321	604.869	612.013	614.582
130.0	487.912	514.178	540.466	564.954	586.682	603.159	615.319	622.638	624.386
132.5	501.813	526.847	551.608	575.601	595.650	611.215	622.562	629.774	631.484
135.0	514.467	537.905	561.541	583.824	602.467	616.656	627.578	633.992	635.588
137.5	525.700	547.405	569.605	590.315	607.210	620.190	630.397	636.287	638.142
140.0	535.557	556.206	576.376	595.414	610.174	622.463	631.233	636.158	638.522
142.5	544.912	563.692	582.228	598.743	611.428	622.235	630.534	635.428	636.850
145.0	553.546	570.334	586.872	600.522	612.165	621.353	628.657	632.746	634.220
147.5	561.610	576.734	589.790	601.958	611.511	619.552	625.989	629.569	630.618
150.0	568.769	581.354	592.428	602.300	610.303	617.181	622.676	625.700	626.901
152.5	575.176	584.752	594.236	601.950	608.874	614.658	618.610	621.938	622.828
155.0	580.192	587.640	594.920	601.662	606.678	611.557	615.425	617.660	618.298
157.5	584.075	589.638	595.331	600.529	605.226	608.851	611.998	613.662	614.126
160.0	586.940	591.120	595.209	599.686	602.961	606.085	608.144	609.976	609.968
162.5	588.962	592.017	595.422	598.736	601.335	603.524	605.484	606.526	606.526
165.0	590.611	593.218	595.285	597.656	599.800	601.236	602.596	603.273	603.349
167.5	592.352	593.682	595.597	597.102	598.576	599.648	600.172	600.826	600.924
170.0	594.062	594.981	595.407	596.995	597.869	598.105	598.888	599.237	599.541
172.5	595.620	596.098	596.608	597.208	598.029	598.029	598.280	598.667	598.454
175.0	597.482	597.664	597.702	598.234	598.295	598.333	598.948	599.154	599.412
177.5	599.716	599.116	598.728	599.275	599.404	599.420	599.800	600.028	599.853
180.0	600.681	600.681	600.681	600.681	600.681	600.681	600.681	600.681	600.681

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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	0.14	N.A.	0.00
0-60	10.37	N.A.	0.40
0-80	88.00	N.A.	3.40
0-90	193.48	N.A.	7.40
10-90	193.48	N.A.	7.40
20-40	0.14	N.A.	0.00
20-50	2.04	N.A.	0.10
40-70	33.75	N.A.	1.30
60-80	77.63	N.A.	3.00
70-80	54.11	N.A.	2.10
80-90	105.48	N.A.	4.00
90-110	456.10	N.A.	17.50
90-120	808.41	N.A.	31.00
90-130	1201.95	N.A.	46.00
90-150	1930.53	N.A.	73.90
90-180	2418.26	N.A.	92.60
110-180	1962.16	N.A.	75.10
0-180	2611.74	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	0.14
40-50	1.90
50-60	8.33
60-70	23.53
70-80	54.11
80-90	105.48
90-100	181.90
100-110	274.20
110-120	352.31
120-130	393.54
130-140	387.95
140-150	340.63
150-160	264.13
160-170	166.69
170-180	56.92

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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	84	84	84	84	60	60	60	37	37	37	17	17	17	7
1	86	82	77	73	74	70	67	64	49	47	45	30	29	27	12	11	11	3
2	78	71	64	59	67	61	56	51	43	39	36	26	24	22	10	9	8	1
3	71	62	54	48	61	53	47	42	37	33	30	22	20	18	9	7	6	1
4	65	54	46	40	55	47	40	35	33	28	25	20	17	15	8	6	5	0
5	59	48	40	34	51	41	35	30	29	25	21	17	15	13	7	5	4	0
6	54	43	35	29	46	37	30	26	26	21	18	16	13	11	6	5	4	0
7	50	38	31	25	43	33	27	22	23	19	16	14	11	9	5	4	3	0
8	46	34	27	22	40	30	23	19	21	17	14	13	10	8	5	4	3	0
9	43	31	24	19	37	27	21	17	19	15	12	12	9	7	5	3	3	0
10	40	28	21	17	34	25	19	15	17	13	11	11	8	6	4	3	2	0

IES INDOOR REPORT
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