

IES INDOOR REPORT

PHOTOMETRIC FILENAME : PRU1-STD-LED35-MO-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-MO-04-NW-CW

[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	1718
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
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	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.015
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	1.255
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.190	1.675
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.075	1.605	2.455
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.425	2.235	3.680
57.5	0.000	0.000	0.000	0.000	0.000	0.000	1.170	1.955	3.410	5.465
60.0	0.000	0.000	0.000	0.000	0.000	1.025	1.585	2.960	5.100	7.605
62.5	0.000	0.000	0.000	0.000	0.000	1.200	2.340	4.455	7.145	10.245
65.0	0.000	0.000	0.000	0.000	0.000	1.645	3.500	6.360	9.615	13.325
67.5	0.000	0.000	0.000	0.000	1.250	2.575	5.170	8.665	12.640	17.010
70.0	0.000	0.000	0.000	0.000	1.680	3.865	7.290	11.425	16.215	21.395
72.5	0.000	0.000	0.000	1.145	2.625	5.700	9.910	14.860	20.445	26.225
75.0	0.000	0.000	0.000	1.590	4.000	7.980	13.030	18.995	25.745	32.810
77.5	0.000	0.000	1.095	2.535	5.865	10.655	16.905	24.355	32.035	39.725
80.0	1.025	1.055	1.470	3.900	8.180	14.570	22.060	30.275	38.825	47.585
82.5	1.220	1.190	2.355	5.825	11.875	19.305	27.855	37.035	46.595	56.345
85.0	1.420	1.590	4.070	9.115	16.295	24.765	34.445	44.810	55.345	65.955
87.5	1.635	2.570	6.795	13.400	21.765	31.410	42.025	53.455	65.155	76.570
90.0	2.095	5.120	11.080	19.145	28.510	39.270	50.980	63.110	75.615	88.175
92.5	7.110	10.615	17.600	26.345	36.620	48.190	60.690	73.705	87.055	100.555
95.0	16.840	19.335	26.365	35.335	46.100	58.125	71.160	85.050	99.390	113.480
97.5	28.285	30.360	36.770	45.875	56.760	69.160	82.670	97.335	112.365	127.305
100.0	41.205	43.185	48.855	57.695	68.515	81.285	95.145	110.050	125.775	141.745
102.5	55.185	57.140	62.455	70.665	81.380	93.980	108.155	123.475	139.805	156.465
105.0	69.970	71.935	76.785	84.455	94.955	107.445	121.720	137.425	154.105	171.435
107.5	85.300	87.320	91.480	98.870	109.230	121.585	136.000	151.855	168.965	186.935
110.0	100.825	102.765	106.590	113.705	123.840	136.030	150.450	166.280	183.790	202.120
112.5	116.640	118.360	122.085	128.865	138.640	150.800	164.740	180.885	198.345	217.275
115.0	132.375	134.080	137.565	144.060	153.475	165.555	179.385	195.415	213.125	232.380
117.5	148.280	149.630	153.135	159.390	168.350	180.330	194.165	209.735	227.390	247.160
120.0	164.210	165.185	168.695	174.510	183.380	195.065	208.770	223.815	241.490	261.365
122.5	179.410	180.615	184.025	190.130	198.485	209.710	222.680	237.845	255.400	272.650
125.0	195.130	196.285	199.365	205.275	213.075	223.795	236.505	251.705	268.045	282.935
127.5	210.475	211.460	214.415	220.085	227.475	237.715	250.655	264.525	277.535	294.275
130.0	225.505	226.440	229.215	234.505	241.590	251.895	264.575	274.375	288.840	304.720
132.5	240.070	241.170	243.805	248.840	256.265	266.340	273.860	286.400	299.585	314.310

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135.0	254.530	255.975	258.955	263.495	269.890	275.805	285.995	297.495	309.605	323.135
137.5	269.925	270.035	271.180	274.210	280.475	288.155	297.305	307.410	318.710	331.555
140.0	280.190	281.260	283.750	287.040	292.625	299.275	307.045	316.705	327.375	339.230
142.5	292.845	293.870	296.060	298.600	303.710	309.680	316.925	325.695	335.805	346.430
145.0	304.240	305.275	307.225	309.480	313.830	319.530	326.285	334.415	343.495	353.455
147.5	315.070	316.100	317.930	319.955	323.910	329.245	334.985	342.295	350.785	359.890
150.0	326.555	327.170	328.820	330.235	333.610	338.435	343.495	350.220	357.780	365.515
152.5	337.560	338.265	339.320	340.335	343.045	347.090	351.495	357.270	364.175	371.465
155.0	348.095	348.415	349.535	349.960	352.140	355.750	359.395	364.355	370.505	376.300
157.5	357.170	357.330	358.255	359.025	360.775	364.085	366.680	370.935	375.640	380.130
160.0	365.980	365.810	366.755	367.410	369.040	371.735	373.560	376.285	379.875	383.315
162.5	373.690	373.440	374.130	374.755	375.650	377.495	378.570	380.415	383.035	385.475
165.0	379.165	379.305	379.790	380.135	380.690	382.085	382.230	383.675	385.495	387.095
167.5	384.080	383.980	384.220	384.440	384.670	385.280	385.345	385.875	387.215	388.445
170.0	387.615	386.995	387.465	387.485	387.400	388.090	387.775	387.925	388.975	390.125
172.5	390.300	390.490	390.560	390.605	390.250	390.645	390.265	390.335	390.800	391.365
175.0	393.515	393.390	393.495	393.425	392.855	393.250	392.510	392.330	392.595	392.995
177.5	395.850	395.650	395.785	395.545	394.990	395.285	394.325	393.795	394.065	394.455
180.0	395.185	395.185	395.185	395.185	395.185	395.185	395.185	395.185	395.185	395.185

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	1.060	1.115	1.160	1.240	1.205
40.0	0.000	0.000	1.070	1.190	1.435	1.595	1.730	1.830	1.875
42.5	1.010	1.150	1.420	1.805	2.045	2.310	2.565	2.725	2.790
45.0	1.235	1.605	2.030	2.550	3.125	3.590	3.990	4.260	4.265
47.5	1.720	2.300	3.110	3.905	4.675	5.405	5.965	6.255	6.385
50.0	2.420	3.455	4.650	5.800	6.900	7.775	8.415	8.850	8.985
52.5	3.715	5.210	6.735	8.215	9.475	10.585	11.295	11.785	11.925
55.0	5.490	7.410	9.210	10.970	12.515	13.735	14.660	15.260	15.445
57.5	7.705	10.040	12.200	14.215	16.035	17.485	18.480	19.090	19.345
60.0	10.375	13.125	15.655	18.045	20.085	21.690	22.945	23.715	23.950
62.5	13.525	16.690	19.655	22.400	24.730	26.610	27.975	28.810	29.095
65.0	17.200	20.775	24.285	27.395	30.050	32.125	33.590	34.520	34.840
67.5	21.420	25.560	29.425	32.845	35.865	38.305	40.110	41.155	41.425
70.0	26.130	30.970	35.725	39.925	43.640	46.490	48.575	49.745	50.225
72.5	32.325	38.330	43.735	48.355	52.115	55.270	57.370	58.605	59.050
75.0	39.630	46.035	51.915	57.010	61.255	64.620	66.925	68.425	68.835
77.5	47.325	54.475	60.975	66.640	71.410	74.910	77.570	79.160	79.770
80.0	56.045	63.995	71.110	77.310	82.485	86.510	89.380	90.965	91.465

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82.5	65.695	74.380	82.260	89.095	94.840	99.140	102.135	104.030	104.695
85.0	76.175	85.765	94.470	101.895	108.135	112.885	116.255	118.280	118.935
87.5	87.770	98.250	107.715	115.820	122.530	127.715	131.500	133.550	134.350
90.0	100.285	111.650	121.785	130.695	138.060	143.795	147.805	150.230	150.920
92.5	113.510	125.780	136.945	146.560	154.685	160.785	165.130	167.785	168.480
95.0	127.505	140.795	152.855	163.430	171.975	178.740	183.680	186.330	187.345
97.5	142.240	156.460	169.305	180.630	190.155	197.290	202.650	205.825	206.865
100.0	157.625	172.910	186.750	198.635	208.915	216.810	222.510	225.875	226.895
102.5	173.190	189.555	204.375	217.075	228.180	237.070	243.420	247.010	247.935
105.0	189.045	206.510	222.070	235.720	247.370	256.955	261.965	265.645	266.610
107.5	205.300	223.275	239.460	253.780	264.380	274.840	279.900	283.845	284.670
110.0	221.345	239.850	256.525	269.685	280.945	291.690	299.260	303.470	304.690
112.5	237.030	255.885	270.940	284.675	298.860	310.035	317.980	322.200	323.435
115.0	252.435	269.265	284.545	300.840	315.625	327.325	335.400	339.975	341.470
117.5	266.175	281.425	299.290	315.860	331.100	343.275	351.450	356.385	357.630
120.0	276.835	294.880	312.740	329.965	345.390	357.770	366.095	370.850	372.445
122.5	289.200	307.285	325.315	342.800	358.140	370.225	378.670	383.440	384.925
125.0	300.875	318.715	336.715	353.795	369.170	380.850	389.330	394.345	395.755
127.5	311.430	329.015	346.755	363.375	378.330	389.685	397.940	402.640	404.330
130.0	320.995	338.275	355.570	371.680	385.975	396.815	404.815	409.630	410.780
132.5	330.140	346.610	362.900	378.685	391.875	402.115	409.580	414.325	415.450
135.0	338.465	353.885	369.435	384.095	396.360	405.695	412.880	417.100	418.150
137.5	345.855	360.135	374.740	388.365	399.480	408.020	414.735	418.610	419.830
140.0	352.340	365.925	379.195	391.720	401.430	409.515	415.285	418.525	420.080
142.5	358.495	370.850	383.045	393.910	402.255	409.365	414.825	418.045	418.980
145.0	364.175	375.220	386.100	395.080	402.740	408.785	413.590	416.280	417.250
147.5	369.480	379.430	388.020	396.025	402.310	407.600	411.835	414.190	414.880
150.0	374.190	382.470	389.755	396.250	401.515	406.040	409.655	411.645	412.435
152.5	378.405	384.705	390.945	396.020	400.575	404.380	406.980	409.170	409.755
155.0	381.705	386.605	391.395	395.830	399.130	402.340	404.885	406.355	406.775
157.5	384.260	387.920	391.665	395.085	398.175	400.560	402.630	403.725	404.030
160.0	386.145	388.895	391.585	394.530	396.685	398.740	400.095	401.300	401.295
162.5	387.475	389.485	391.725	393.905	395.615	397.055	398.345	399.030	399.030
165.0	388.560	390.275	391.635	393.195	394.605	395.550	396.445	396.890	396.940
167.5	389.705	390.580	391.840	392.830	393.800	394.505	394.850	395.280	395.345
170.0	390.830	391.435	391.715	392.760	393.335	393.490	394.005	394.235	394.435
172.5	391.855	392.170	392.505	392.900	393.440	393.440	393.605	393.860	393.720
175.0	393.080	393.200	393.225	393.575	393.615	393.640	394.045	394.180	394.350
177.5	394.550	394.155	393.900	394.260	394.345	394.355	394.605	394.755	394.640
180.0	395.185	395.185	395.185	395.185	395.185	395.185	395.185	395.185	395.185

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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	0.09	N.A.	0.00
0-60	6.82	N.A.	0.40
0-80	57.89	N.A.	3.40
0-90	127.29	N.A.	7.40
10-90	127.29	N.A.	7.40
20-40	0.09	N.A.	0.00
20-50	1.34	N.A.	0.10
40-70	22.20	N.A.	1.30
60-80	51.07	N.A.	3.00
70-80	35.60	N.A.	2.10
80-90	69.39	N.A.	4.00
90-110	300.07	N.A.	17.50
90-120	531.85	N.A.	31.00
90-130	790.76	N.A.	46.00
90-150	1270.08	N.A.	73.90
90-180	1590.96	N.A.	92.60
110-180	1290.89	N.A.	75.10
0-180	1718.25	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	0.09
40-50	1.25
50-60	5.48
60-70	15.48
70-80	35.60
80-90	69.39
90-100	119.67
100-110	180.40
110-120	231.78
120-130	258.91
130-140	255.23
140-150	224.10
150-160	173.77
160-170	109.67
170-180	37.45

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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	74	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	24	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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