



IES INDOOR REPORT

PHOTOMETRIC FILENAME : STR2-LED35-MO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] STR2-LED35-MO
 [TESTLAB] Intertek
 [ISSUE DATE] 7/24/20
 [MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2650
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.21 ft
Luminous Width (90-270)	3.83 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11797	11652	11964
55	11822	11688	11945
65	11490	11658	11876
75	9487	10733	11690
85	5887	5639	10421

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	877.314	877.314	877.314	877.314	877.314	877.314	877.314	877.314	877.314	877.314
2.5	877.168	876.438	873.080	877.460	877.898	877.168	872.642	875.854	876.000	875.854
5.0	870.890	871.912	869.138	875.124	876.000	873.956	867.970	870.598	871.036	870.598
7.5	863.736	865.634	864.028	871.036	872.350	868.846	861.692	863.152	864.320	863.152
10.0	856.144	858.626	857.750	865.196	866.948	861.838	853.808	854.538	856.144	854.538
12.5	849.574	850.888	850.012	857.750	859.940	853.224	844.610	845.340	846.216	845.340
15.0	841.398	841.690	840.522	848.844	850.742	843.442	834.828	835.120	834.682	835.120
17.5	831.324	830.594	829.280	837.894	840.084	832.492	823.586	823.294	823.294	823.294
20.0	818.914	817.600	815.994	825.338	828.404	820.228	810.446	810.154	809.716	810.154
22.5	804.022	803.000	801.394	811.322	815.556	806.650	795.992	795.408	794.240	795.408
25.0	787.962	786.502	785.334	796.138	800.810	790.882	779.932	778.618	777.450	778.618
27.5	770.150	768.544	768.252	779.494	784.750	773.946	761.682	760.368	759.200	760.368
30.0	751.316	750.148	749.564	761.098	766.938	755.112	742.118	740.366	739.636	740.366
32.5	732.190	731.022	730.146	741.388	747.228	734.380	721.386	719.634	719.196	719.634
35.0	713.648	710.874	709.268	719.780	725.912	712.772	699.632	698.026	696.858	698.026
37.5	692.624	688.828	686.930	696.712	703.428	689.850	676.856	675.542	673.644	675.542
40.0	668.972	665.322	663.424	672.038	679.630	665.468	653.350	651.890	649.408	651.890
42.5	644.590	640.648	638.166	646.342	654.664	639.918	628.530	627.070	623.858	627.070
45.0	619.478	614.514	611.886	619.332	628.238	612.908	601.812	600.498	596.994	600.498
47.5	592.468	587.358	584.730	590.716	600.206	584.584	574.218	572.612	568.670	572.612
50.0	563.414	559.326	556.844	561.224	571.006	554.508	545.894	543.704	538.740	543.704
52.5	534.068	529.980	527.644	530.710	540.492	523.702	516.256	513.628	508.226	513.628
55.0	503.554	499.028	497.860	499.758	508.810	492.020	485.012	481.946	476.106	481.946
57.5	469.974	466.908	467.200	467.638	476.106	459.316	453.184	448.950	442.088	448.950
60.0	434.496	433.182	434.642	434.788	442.818	425.882	420.480	414.348	406.026	414.348
62.5	398.580	397.558	400.916	401.354	408.362	392.302	386.316	377.848	368.066	377.848
65.0	360.620	359.452	365.876	367.336	372.738	358.138	350.254	339.012	327.916	339.012
67.5	318.572	319.302	329.376	332.588	336.676	323.536	313.024	297.840	284.846	297.840
70.0	274.626	277.108	290.540	296.818	300.322	288.058	273.896	254.770	239.732	254.770
72.5	230.096	232.432	249.514	260.902	262.946	251.996	232.432	208.634	192.428	208.634
75.0	182.354	185.274	206.298	224.110	224.694	215.058	187.756	159.578	143.664	159.578
77.5	133.298	137.094	160.308	185.420	186.150	175.930	140.160	111.836	99.426	111.836
80.0	91.104	93.294	112.274	144.248	146.876	134.320	92.710	72.416	63.218	72.416
82.5	57.524	57.670	68.328	100.302	107.018	89.936	52.998	43.946	41.026	43.946
85.0	38.106	36.500	36.500	53.582	67.452	43.946	28.470	26.280	23.652	26.280
87.5	20.586	19.272	18.688	19.126	29.346	14.746	11.096	9.490	7.154	9.490
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	877.314	877.314	877.314	877.314	877.314	877.314	877.314
2.5	872.642	877.168	877.898	877.460	873.080	876.438	877.168
5.0	867.970	873.956	876.000	875.124	869.138	871.912	870.890
7.5	861.692	868.846	872.350	871.036	864.028	865.634	863.736
10.0	853.808	861.838	866.948	865.196	857.750	858.626	856.144
12.5	844.610	853.224	859.940	857.750	850.012	850.888	849.574
15.0	834.828	843.442	850.742	848.844	840.522	841.690	841.398
17.5	823.586	832.492	840.084	837.894	829.280	830.594	831.324
20.0	810.446	820.228	828.404	825.338	815.994	817.600	818.914
22.5	795.992	806.650	815.556	811.322	801.394	803.000	804.022
25.0	779.932	790.882	800.810	796.138	785.334	786.502	787.962
27.5	761.682	773.946	784.750	779.494	768.252	768.544	770.150
30.0	742.118	755.112	766.938	761.098	749.564	750.148	751.316
32.5	721.386	734.380	747.228	741.388	730.146	731.022	732.190
35.0	699.632	712.772	725.912	719.780	709.268	710.874	713.648
37.5	676.856	689.850	703.428	696.712	686.930	688.828	692.624
40.0	653.350	665.468	679.630	672.038	663.424	665.322	668.972
42.5	628.530	639.918	654.664	646.342	638.166	640.648	644.590
45.0	601.812	612.908	628.238	619.332	611.886	614.514	619.478
47.5	574.218	584.584	600.206	590.716	584.730	587.358	592.468
50.0	545.894	554.508	571.006	561.224	556.844	559.326	563.414
52.5	516.256	523.702	540.492	530.710	527.644	529.980	534.068
55.0	485.012	492.020	508.810	499.758	497.860	499.028	503.554
57.5	453.184	459.316	476.106	467.638	467.200	466.908	469.974
60.0	420.480	425.882	442.818	434.788	434.642	433.182	434.496
62.5	386.316	392.302	408.362	401.354	400.916	397.558	398.580
65.0	350.254	358.138	372.738	367.336	365.876	359.452	360.620
67.5	313.024	323.536	336.676	332.588	329.376	319.302	318.572
70.0	273.896	288.058	300.322	296.818	290.540	277.108	274.626
72.5	232.432	251.996	262.946	260.902	249.514	232.432	230.096
75.0	187.756	215.058	224.694	224.110	206.298	185.274	182.354
77.5	140.160	175.930	186.150	185.420	160.308	137.094	133.298
80.0	92.710	134.320	146.876	144.248	112.274	93.294	91.104

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82.5	52.998	89.936	107.018	100.302	68.328	57.670	57.524
85.0	28.470	43.946	67.452	53.582	36.500	36.500	38.106
87.5	11.096	14.746	29.346	19.126	18.688	19.272	20.586
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	320.49	N.A.	12.10
0-30	683.63	N.A.	25.80
0-40	1128.07	N.A.	42.60
0-60	2041.83	N.A.	77.10
0-80	2600.06	N.A.	98.10
0-90	2649.87	N.A.	100.00
10-90	2567.04	N.A.	96.90
20-40	807.58	N.A.	30.50
20-50	1279.79	N.A.	48.30
40-70	1266.18	N.A.	47.80
60-80	558.22	N.A.	21.10
70-80	205.80	N.A.	7.80
80-90	49.82	N.A.	1.90
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2649.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.83
10-20	237.66
20-30	363.14
30-40	444.44
40-50	472.21
50-60	441.55
60-70	352.42
70-80	205.80
80-90	49.82
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

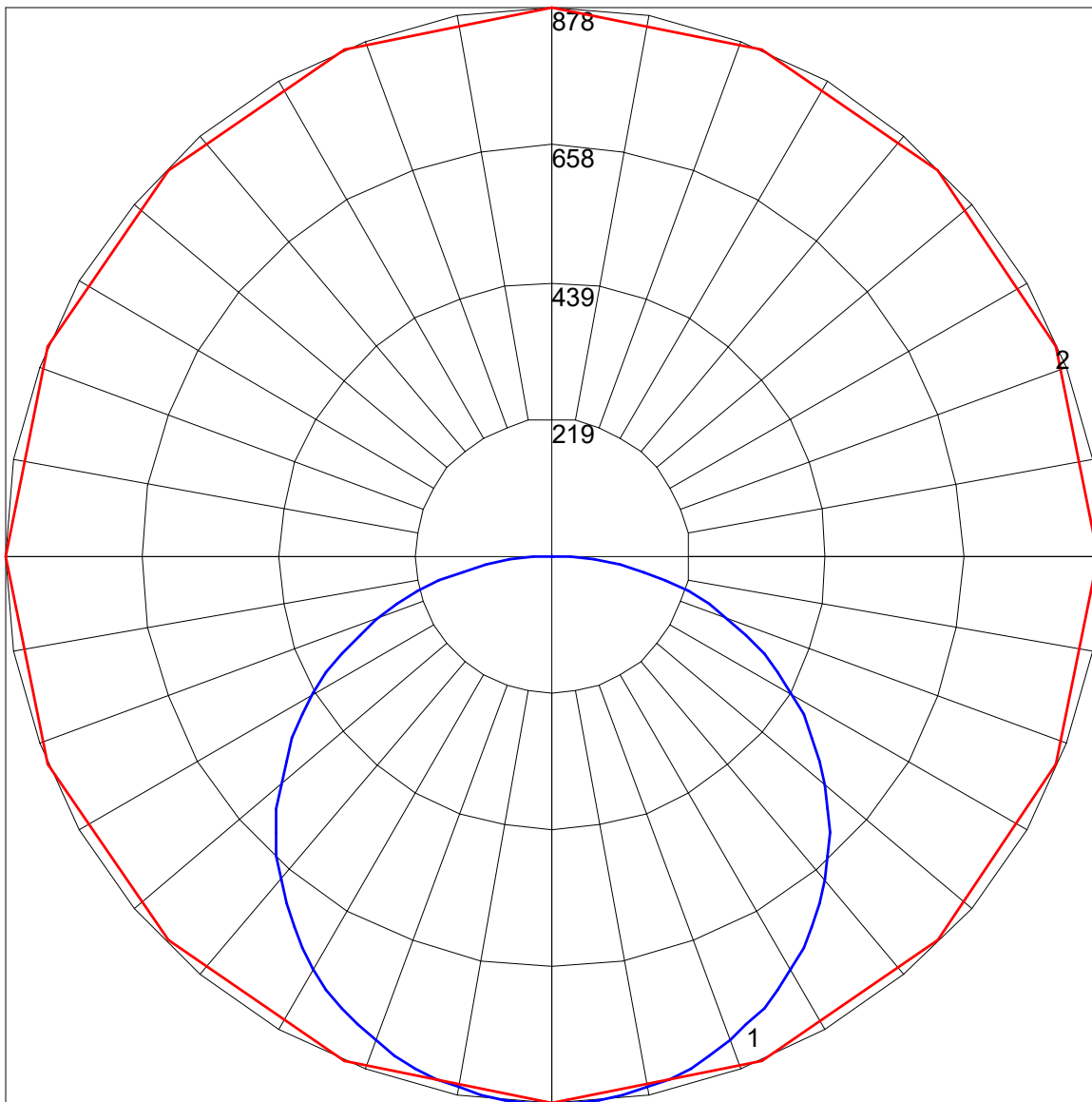
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	82	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	49
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 877.898 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)