



IES INDOOR REPORT

PHOTOMETRIC FILENAME : STRPER-LED35-SO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] STRPER-LED35-SO
 [TESTLAB] Intertek
 [ISSUE DATE] 7/28/20
 [MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4700
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.62
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.38 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	14790	13520	10545
55	16118	14837	10597
65	17176	16277	10607
75	18239	17239	10297
85	4263	12789	7898

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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	1385.460	1385.460	1385.460	1385.460	1385.460	1385.460	1385.460	1385.460	1385.460	1385.460
2.5	1404.165	1402.660	1392.985	1392.555	1380.300	1377.935	1367.400	1368.475	1366.755	1368.475
5.0	1415.345	1414.270	1401.585	1396.640	1377.290	1367.185	1349.555	1346.760	1344.180	1346.760
7.5	1425.235	1425.665	1409.325	1398.360	1372.345	1354.070	1329.560	1323.110	1321.175	1323.110
10.0	1437.275	1436.415	1415.345	1397.500	1364.390	1337.945	1307.845	1297.955	1295.590	1297.955
12.5	1451.250	1446.735	1419.645	1394.275	1353.640	1319.885	1285.055	1273.015	1268.285	1273.015
15.0	1463.505	1454.905	1421.580	1388.255	1340.095	1299.890	1260.975	1246.785	1239.690	1246.785
17.5	1473.610	1461.355	1420.720	1379.655	1324.185	1278.605	1235.820	1218.835	1210.235	1218.835
20.0	1481.780	1465.870	1418.140	1369.120	1306.340	1255.385	1208.730	1189.380	1179.920	1189.380
22.5	1486.940	1468.235	1412.980	1356.005	1286.345	1229.370	1178.845	1158.205	1147.885	1158.205
25.0	1488.445	1468.020	1406.315	1341.170	1263.555	1200.990	1147.455	1124.665	1113.915	1124.665
27.5	1487.155	1465.870	1398.360	1323.755	1238.615	1169.815	1113.485	1089.405	1078.655	1089.405
30.0	1483.500	1461.355	1389.330	1304.405	1210.450	1136.705	1077.795	1053.070	1042.535	1053.070
32.5	1479.200	1454.690	1378.365	1282.690	1180.350	1101.445	1040.385	1015.875	1005.125	1015.875
35.0	1473.825	1445.660	1364.820	1258.610	1147.670	1064.250	1002.545	978.250	966.640	978.250
37.5	1463.505	1432.975	1348.050	1232.380	1113.485	1025.765	963.845	939.765	927.725	939.765
40.0	1447.595	1415.345	1327.840	1203.785	1076.505	985.345	923.855	900.420	888.165	900.420
42.5	1425.665	1392.985	1304.620	1173.040	1037.590	942.775	882.145	860.000	847.745	860.000
45.0	1397.930	1366.110	1277.960	1139.930	996.740	898.055	839.145	818.290	806.680	818.290
47.5	1366.540	1334.505	1248.290	1105.100	953.525	851.830	795.285	775.935	765.185	775.935
50.0	1330.420	1298.385	1215.180	1068.550	908.160	804.100	750.135	733.580	723.475	733.580
52.5	1286.990	1256.890	1178.845	1029.635	861.075	754.865	704.340	690.795	681.335	690.795
55.0	1235.820	1208.730	1137.565	988.140	812.485	704.555	658.760	647.150	638.120	647.150
57.5	1179.705	1154.980	1091.340	944.925	761.960	653.385	612.965	602.430	593.830	602.430
60.0	1118.430	1095.425	1039.955	899.345	709.070	601.785	566.525	556.850	548.250	556.850
62.5	1047.910	1028.130	982.980	850.755	654.890	549.325	519.655	510.410	501.380	510.410
65.0	970.295	953.955	919.555	799.585	599.205	496.865	472.785	463.110	453.865	463.110
67.5	886.875	873.115	848.820	744.975	541.155	444.835	424.840	415.380	406.350	415.380
70.0	800.875	785.180	772.065	685.850	480.955	393.020	376.250	367.435	358.405	367.435
72.5	718.745	699.610	688.215	621.565	419.680	341.635	327.015	318.845	310.030	318.845
75.0	631.025	613.825	596.410	551.045	356.255	290.035	277.565	270.470	261.655	270.470
77.5	526.750	512.560	505.465	473.000	291.110	238.220	227.685	222.740	214.355	222.740
80.0	414.950	393.450	400.115	384.205	225.105	186.835	179.095	175.870	168.560	175.870
82.5	391.945	346.365	279.715	284.660	158.670	136.740	132.870	131.365	125.130	131.365
85.0	49.665	47.515	148.995	172.645	92.020	87.935	87.935	88.150	82.560	88.150
87.5	24.940	22.360	23.650	63.640	28.595	42.570	44.720	45.795	39.775	45.795
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	1385.460	1385.460	1385.460	1385.460	1385.460	1385.460	1385.460
2.5	1367.400	1377.935	1380.300	1392.555	1392.985	1402.660	1404.165
5.0	1349.555	1367.185	1377.290	1396.640	1401.585	1414.270	1415.345
7.5	1329.560	1354.070	1372.345	1398.360	1409.325	1425.665	1425.235
10.0	1307.845	1337.945	1364.390	1397.500	1415.345	1436.415	1437.275
12.5	1285.055	1319.885	1353.640	1394.275	1419.645	1446.735	1451.250
15.0	1260.975	1299.890	1340.095	1388.255	1421.580	1454.905	1463.505
17.5	1235.820	1278.605	1324.185	1379.655	1420.720	1461.355	1473.610
20.0	1208.730	1255.385	1306.340	1369.120	1418.140	1465.870	1481.780
22.5	1178.845	1229.370	1286.345	1356.005	1412.980	1468.235	1486.940
25.0	1147.455	1200.990	1263.555	1341.170	1406.315	1468.020	1488.445
27.5	1113.485	1169.815	1238.615	1323.755	1398.360	1465.870	1487.155
30.0	1077.795	1136.705	1210.450	1304.405	1389.330	1461.355	1483.500
32.5	1040.385	1101.445	1180.350	1282.690	1378.365	1454.690	1479.200
35.0	1002.545	1064.250	1147.670	1258.610	1364.820	1445.660	1473.825
37.5	963.845	1025.765	1113.485	1232.380	1348.050	1432.975	1463.505
40.0	923.855	985.345	1076.505	1203.785	1327.840	1415.345	1447.595
42.5	882.145	942.775	1037.590	1173.040	1304.620	1392.985	1425.665
45.0	839.145	898.055	996.740	1139.930	1277.960	1366.110	1397.930
47.5	795.285	851.830	953.525	1105.100	1248.290	1334.505	1366.540
50.0	750.135	804.100	908.160	1068.550	1215.180	1298.385	1330.420
52.5	704.340	754.865	861.075	1029.635	1178.845	1256.890	1286.990
55.0	658.760	704.555	812.485	988.140	1137.565	1208.730	1235.820
57.5	612.965	653.385	761.960	944.925	1091.340	1154.980	1179.705
60.0	566.525	601.785	709.070	899.345	1039.955	1095.425	1118.430
62.5	519.655	549.325	654.890	850.755	982.980	1028.130	1047.910
65.0	472.785	496.865	599.205	799.585	919.555	953.955	970.295
67.5	424.840	444.835	541.155	744.975	848.820	873.115	886.875
70.0	376.250	393.020	480.955	685.850	772.065	785.180	800.875
72.5	327.015	341.635	419.680	621.565	688.215	699.610	718.745
75.0	277.565	290.035	356.255	551.045	596.410	613.825	631.025
77.5	227.685	238.220	291.110	473.000	505.465	512.560	526.750
80.0	179.095	186.835	225.105	384.205	400.115	393.450	414.950

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CANDELA TABULATION - (Cont.)

82.5	132.870	136.740	158.670	284.660	279.715	346.365	391.945
85.0	87.935	87.935	92.020	172.645	148.995	47.515	49.665
87.5	44.720	42.570	28.595	63.640	23.650	22.360	24.940
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	511.54	N.A.	10.90
0-30	1102.95	N.A.	23.50
0-40	1845.19	N.A.	39.30
0-60	3451.54	N.A.	73.40
0-80	4565.72	N.A.	97.10
0-90	4699.72	N.A.	100.00
10-90	4568.5	N.A.	97.20
20-40	1333.65	N.A.	28.40
20-50	2147.7	N.A.	45.70
40-70	2274.87	N.A.	48.40
60-80	1114.18	N.A.	23.70
70-80	445.67	N.A.	9.50
80-90	134.00	N.A.	2.90
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	4699.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	131.22
10-20	380.32
20-30	591.41
30-40	742.24
40-50	814.05
50-60	792.31
60-70	668.52
70-80	445.67
80-90	134.00
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

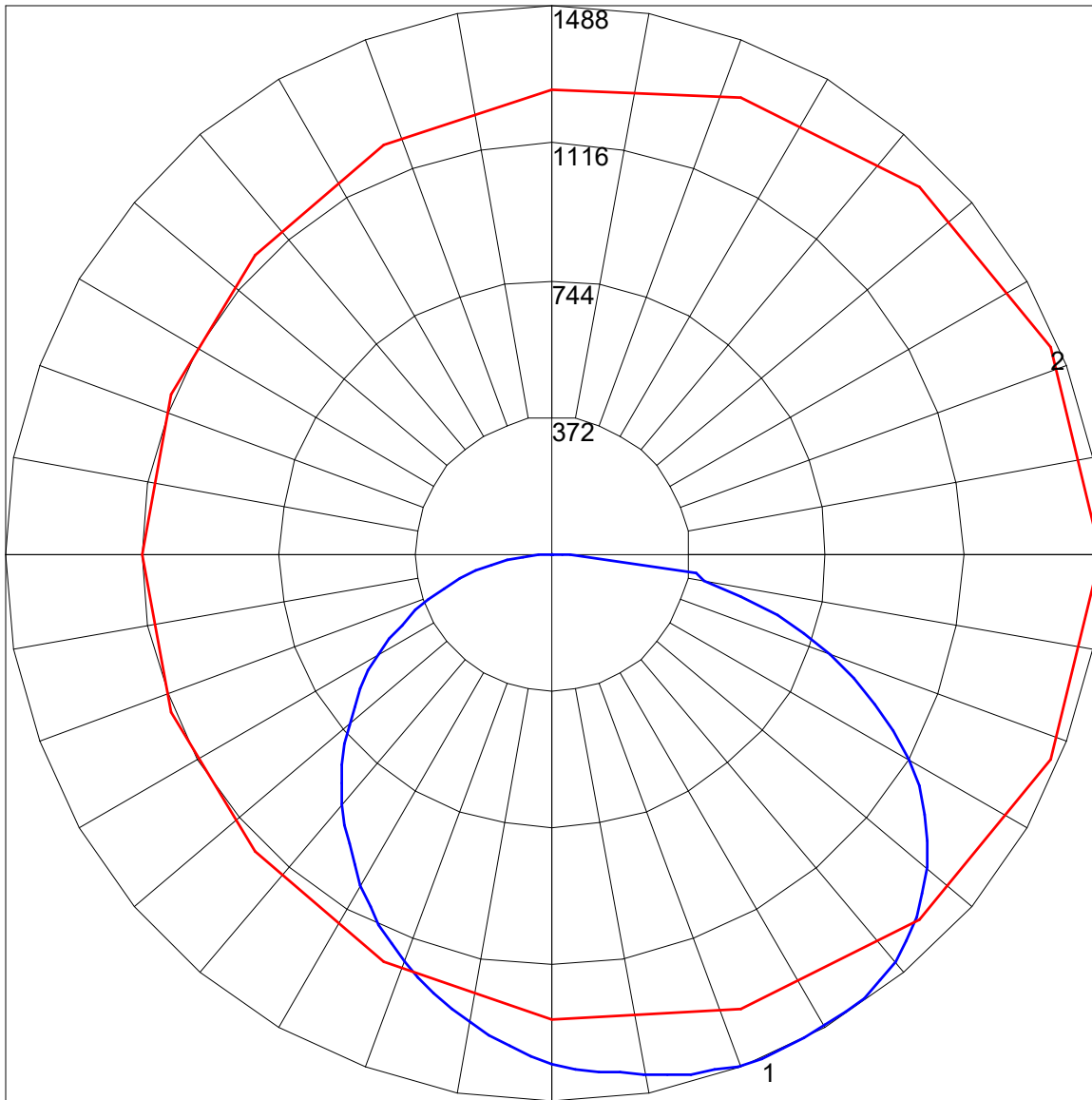
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	81	74	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	43	54	47	42	53	46	42	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	29	41	34	29	39	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	23	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 1488.445 Located At Horizontal Angle = 0, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)