



IES INDOOR REPORT

PHOTOMETRIC FILENAME : STR2-LED35-HO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] STR2-LED35-HO
 [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	4356
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	42
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	19392	19155	19666
55	19433	19213	19636
65	18888	19163	19523
75	15596	17644	19217
85	9678	9270	17131

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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	1442.16	1442.16	1442.16	1442.16	1442.16	1442.16	1442.16	1442.16	1442.16	1442.16
2.5	1441.92	1440.72	1435.20	1442.40	1443.12	1441.92	1434.48	1439.76	1440.00	1439.76
5.0	1431.60	1433.28	1428.72	1438.56	1440.00	1436.64	1426.80	1431.12	1431.84	1431.12
7.5	1419.84	1422.96	1420.32	1431.84	1434.00	1428.24	1416.48	1418.88	1420.80	1418.88
10.0	1407.36	1411.44	1410.00	1422.24	1425.12	1416.72	1403.52	1404.72	1407.36	1404.72
12.5	1396.56	1398.72	1397.28	1410.00	1413.60	1402.56	1388.40	1389.60	1391.04	1389.60
15.0	1383.12	1383.60	1381.68	1395.36	1398.48	1386.48	1372.32	1372.80	1372.08	1372.80
17.5	1366.56	1365.36	1363.20	1377.36	1380.96	1368.48	1353.84	1353.36	1353.36	1353.36
20.0	1346.16	1344.00	1341.36	1356.72	1361.76	1348.32	1332.24	1331.76	1331.04	1331.76
22.5	1321.68	1320.00	1317.36	1333.68	1340.64	1326.00	1308.48	1307.52	1305.60	1307.52
25.0	1295.28	1292.88	1290.96	1308.72	1316.40	1300.08	1282.08	1279.92	1278.00	1279.92
27.5	1266.00	1263.36	1262.88	1281.36	1290.00	1272.24	1252.08	1249.92	1248.00	1249.92
30.0	1235.04	1233.12	1232.16	1251.12	1260.72	1241.28	1219.92	1217.04	1215.84	1217.04
32.5	1203.60	1201.68	1200.24	1218.72	1228.32	1207.20	1185.84	1182.96	1182.24	1182.96
35.0	1173.12	1168.56	1165.92	1183.20	1193.28	1171.68	1150.08	1147.44	1145.52	1147.44
37.5	1138.56	1132.32	1129.20	1145.28	1156.32	1134.00	1112.64	1110.48	1107.36	1110.48
40.0	1099.68	1093.68	1090.56	1104.72	1117.20	1093.92	1074.00	1071.60	1067.52	1071.60
42.5	1059.60	1053.12	1049.04	1062.48	1076.16	1051.92	1033.20	1030.80	1025.52	1030.80
45.0	1018.32	1010.16	1005.84	1018.08	1032.72	1007.52	989.28	987.12	981.36	987.12
47.5	973.92	965.52	961.20	971.04	986.64	960.96	943.92	941.28	934.80	941.28
50.0	926.16	919.44	915.36	922.56	938.64	911.52	897.36	893.76	885.60	893.76
52.5	877.92	871.20	867.36	872.40	888.48	860.88	848.64	844.32	835.44	844.32
55.0	827.76	820.32	818.40	821.52	836.40	808.80	797.28	792.24	782.64	792.24
57.5	772.56	767.52	768.00	768.72	782.64	755.04	744.96	738.00	726.72	738.00
60.0	714.24	712.08	714.48	714.72	727.92	700.08	691.20	681.12	667.44	681.12
62.5	655.20	653.52	659.04	659.76	671.28	644.88	635.04	621.12	605.04	621.12
65.0	592.80	590.88	601.44	603.84	612.72	588.72	575.76	557.28	539.04	557.28
67.5	523.68	524.88	541.44	546.72	553.44	531.84	514.56	489.60	468.24	489.60
70.0	451.44	455.52	477.60	487.92	493.68	473.52	450.24	418.80	394.08	418.80
72.5	378.24	382.08	410.16	428.88	432.24	414.24	382.08	342.96	316.32	342.96
75.0	299.76	304.56	339.12	368.40	369.36	353.52	308.64	262.32	236.16	262.32
77.5	219.12	225.36	263.52	304.80	306.00	289.20	230.40	183.84	163.44	183.84
80.0	149.76	153.36	184.56	237.12	241.44	220.80	152.40	119.04	103.92	119.04
82.5	94.56	94.80	112.32	164.88	175.92	147.84	87.12	72.24	67.44	72.24
85.0	62.64	60.00	60.00	88.08	110.88	72.24	46.80	43.20	38.88	43.20
87.5	33.84	31.68	30.72	31.44	48.24	24.24	18.24	15.60	11.76	15.60
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	1442.16	1442.16	1442.16	1442.16	1442.16	1442.16	1442.16
2.5	1434.48	1441.92	1443.12	1442.40	1435.20	1440.72	1441.92
5.0	1426.80	1436.64	1440.00	1438.56	1428.72	1433.28	1431.60
7.5	1416.48	1428.24	1434.00	1431.84	1420.32	1422.96	1419.84
10.0	1403.52	1416.72	1425.12	1422.24	1410.00	1411.44	1407.36
12.5	1388.40	1402.56	1413.60	1410.00	1397.28	1398.72	1396.56
15.0	1372.32	1386.48	1398.48	1395.36	1381.68	1383.60	1383.12
17.5	1353.84	1368.48	1380.96	1377.36	1363.20	1365.36	1366.56
20.0	1332.24	1348.32	1361.76	1356.72	1341.36	1344.00	1346.16
22.5	1308.48	1326.00	1340.64	1333.68	1317.36	1320.00	1321.68
25.0	1282.08	1300.08	1316.40	1308.72	1290.96	1292.88	1295.28
27.5	1252.08	1272.24	1290.00	1281.36	1262.88	1263.36	1266.00
30.0	1219.92	1241.28	1260.72	1251.12	1232.16	1233.12	1235.04
32.5	1185.84	1207.20	1228.32	1218.72	1200.24	1201.68	1203.60
35.0	1150.08	1171.68	1193.28	1183.20	1165.92	1168.56	1173.12
37.5	1112.64	1134.00	1156.32	1145.28	1129.20	1132.32	1138.56
40.0	1074.00	1093.92	1117.20	1104.72	1090.56	1093.68	1099.68
42.5	1033.20	1051.92	1076.16	1062.48	1049.04	1053.12	1059.60
45.0	989.28	1007.52	1032.72	1018.08	1005.84	1010.16	1018.32
47.5	943.92	960.96	986.64	971.04	961.20	965.52	973.92
50.0	897.36	911.52	938.64	922.56	915.36	919.44	926.16
52.5	848.64	860.88	888.48	872.40	867.36	871.20	877.92
55.0	797.28	808.80	836.40	821.52	818.40	820.32	827.76
57.5	744.96	755.04	782.64	768.72	768.00	767.52	772.56
60.0	691.20	700.08	727.92	714.72	714.48	712.08	714.24
62.5	635.04	644.88	671.28	659.76	659.04	653.52	655.20
65.0	575.76	588.72	612.72	603.84	601.44	590.88	592.80
67.5	514.56	531.84	553.44	546.72	541.44	524.88	523.68
70.0	450.24	473.52	493.68	487.92	477.60	455.52	451.44
72.5	382.08	414.24	432.24	428.88	410.16	382.08	378.24
75.0	308.64	353.52	369.36	368.40	339.12	304.56	299.76
77.5	230.40	289.20	306.00	304.80	263.52	225.36	219.12
80.0	152.40	220.80	241.44	237.12	184.56	153.36	149.76

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CANDELA TABULATION - (Cont.)

82.5	87.12	147.84	175.92	164.88	112.32	94.80	94.56
85.0	46.80	72.24	110.88	88.08	60.00	60.00	62.64
87.5	18.24	24.24	48.24	31.44	30.72	31.68	33.84
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	526.83	N.A.	12.10
0-30	1123.77	N.A.	25.80
0-40	1854.37	N.A.	42.60
0-60	3356.44	N.A.	77.10
0-80	4274.06	N.A.	98.10
0-90	4355.95	N.A.	100.00
10-90	4219.79	N.A.	96.90
20-40	1327.53	N.A.	30.50
20-50	2103.77	N.A.	48.30
40-70	2081.4	N.A.	47.80
60-80	917.62	N.A.	21.10
70-80	338.30	N.A.	7.80
80-90	81.89	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	4355.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.16
10-20	390.67
20-30	596.94
30-40	730.59
40-50	776.23
50-60	725.84
60-70	579.33
70-80	338.30
80-90	81.89
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

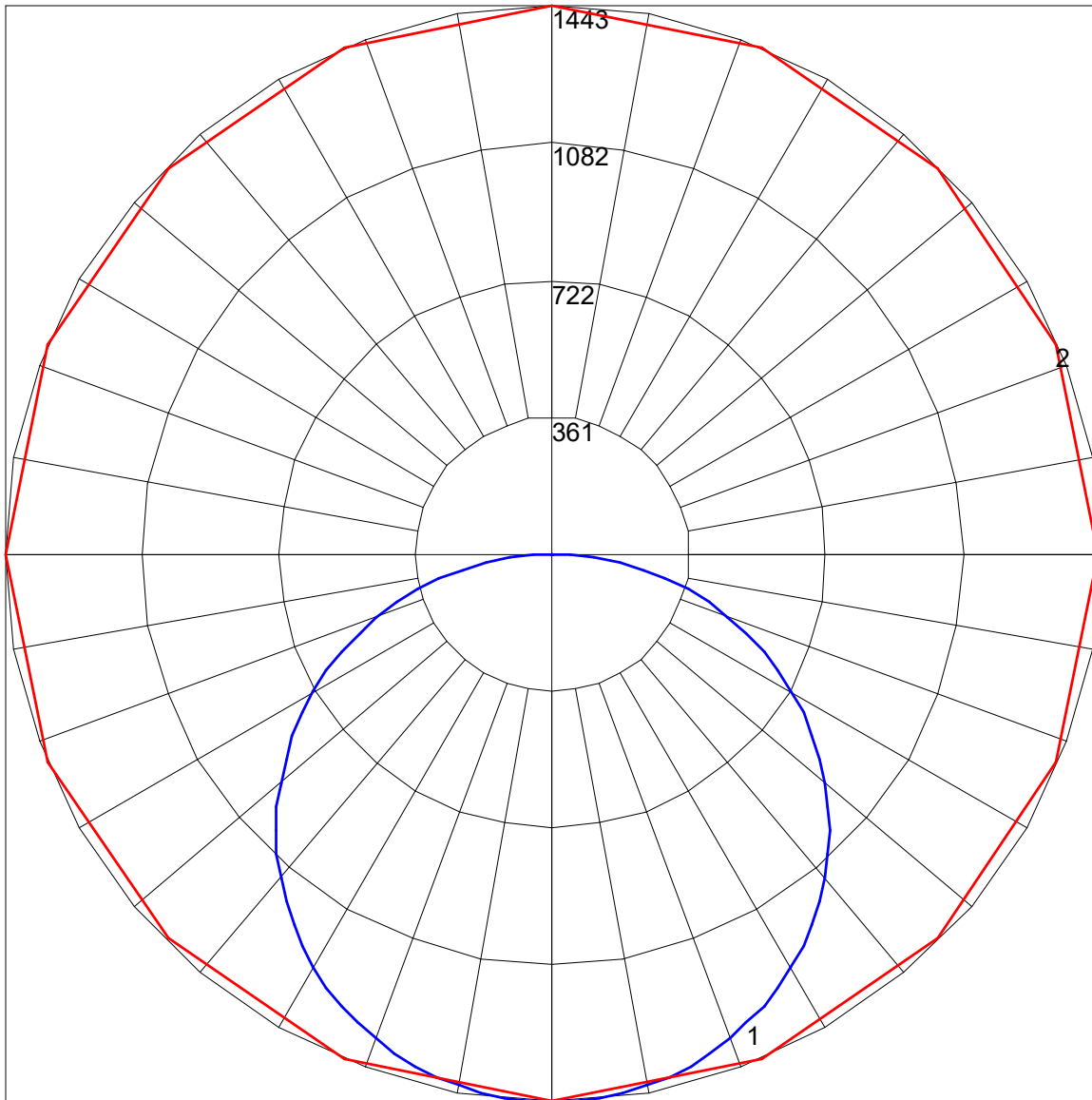
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1443.12 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.)