

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P218364

Luminaire Tested: **8TSNLED-LD5-54SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-54SL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5715.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

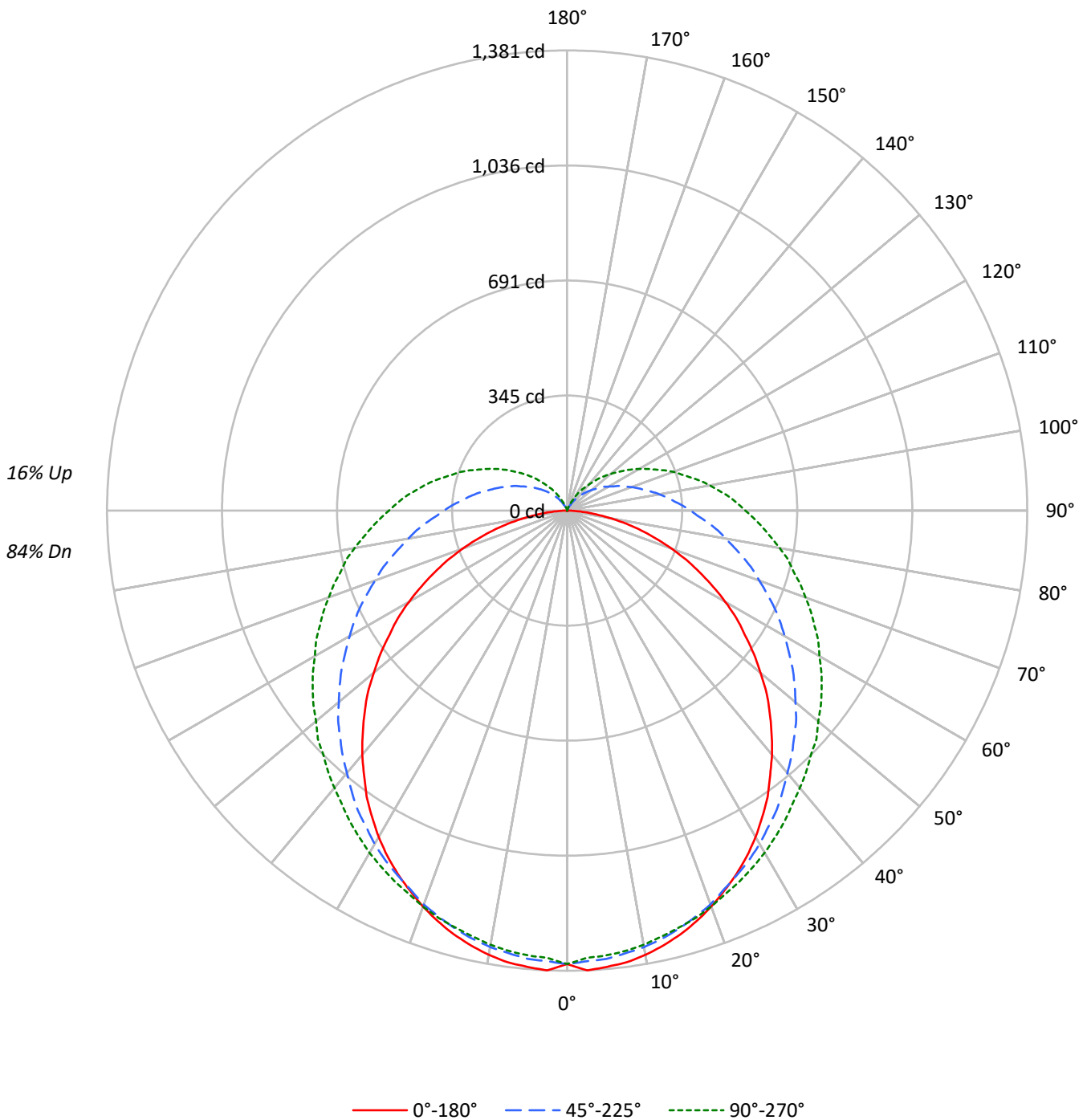
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																		
0	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	64
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10963	10963	10963
5°	11095	10273	9966
10°	11035	9652	9201
15°	10917	9079	8523
20°	10762	8541	7950
25°	10591	8024	7439
30°	10398	7585	6994
35°	10167	7166	6583
40°	9885	6735	6213
45°	9602	6373	5897
50°	9264	6028	5626
55°	8882	5713	5393
60°	8528	5399	5155
65°	8005	5129	4967
70°	7408	4844	4783
75°	6631	4621	4622
80°	5401	4402	4505
85°	3836	4247	4384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	2.3
10°-20°	368.5	6.4
20°-30°	560.1	9.8
30°-40°	685.5	12.0
40°-50°	740.1	12.9
50°-60°	726.6	12.7
60°-70°	654.4	11.5
70°-80°	541.9	9.5
80°-90°	416.8	7.3
90°-100°	314.2	5.5
100°-110°	231.2	4.0
110°-120°	159.5	2.8
120°-130°	101.1	1.8
130°-140°	56.0	1.0
140°-150°	24.2	0.4
150°-160°	6.1	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1057.5	18.5
0°-40°	1742.9	30.5
0°-60°	3209.6	56.2
0°-90°	4822.6	84.4
90°-120°	704.8	12.3
90°-150°	886.2	15.5
90°-180°	892.0	15.6
0°-180°	5715.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1361	1361	1361	1361	1361	
5°	1374	1368	1350	1350	1340	131
15°	1316	1313	1299	1306	1296	371
25°	1203	1203	1206	1230	1227	554
35°	1049	1059	1097	1131	1138	655
45°	860	898	963	1021	1035	664
55°	651	723	826	908	932	584
65°	439	538	686	788	819	435
75°	230	367	548	665	703	244
85°	51	226	425	552	590	59
90°	0	175	370	497	535	3
95°	3	137	322	446	487	1
105°	0	86	240	350	384	0
115°	0	55	175	264	291	0
125°	0	34	120	188	209	0
135°	0	21	75	123	137	0
145°	0	7	38	68	75	0
155°	0	3	10	21	24	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1360.7	1360.7	1360.7	1360.7	1360.7
2.5°	1381.3	1371.0	1353.8	1353.8	1343.6
5°	1374.4	1367.6	1350.4	1350.4	1340.1
7.5°	1367.6	1360.7	1340.1	1343.6	1333.3
10°	1353.8	1347.0	1329.9	1333.3	1323.0
12.5°	1336.7	1329.9	1316.1	1319.6	1309.3
15°	1316.1	1312.7	1299.0	1305.9	1295.6
17.5°	1292.1	1288.7	1278.4	1288.7	1281.9
20°	1264.7	1264.7	1257.9	1271.6	1264.7
22.5°	1233.9	1233.9	1230.5	1251.0	1244.2
25°	1203.0	1203.0	1206.5	1230.5	1227.0
27.5°	1168.8	1172.2	1182.5	1209.9	1206.5
30°	1131.1	1137.9	1155.1	1185.9	1185.9
32.5°	1089.9	1096.8	1124.2	1161.9	1161.9
35°	1048.8	1059.1	1096.8	1131.1	1137.9
37.5°	1000.8	1018.0	1062.5	1103.6	1110.5
40°	956.3	980.3	1028.2	1076.2	1086.5
42.5°	908.3	939.1	997.4	1052.2	1062.5
45°	860.3	898.0	963.1	1021.4	1035.1
47.5°	812.3	853.4	932.3	994.0	1014.5
50°	757.5	808.9	894.6	966.5	983.7
52.5°	706.1	764.3	860.3	935.7	959.7
55°	651.2	723.2	826.0	908.3	932.3
57.5°	603.2	675.2	788.3	880.9	904.8
60°	548.4	627.2	754.0	846.6	874.0
62.5°	493.6	586.1	719.8	819.2	850.0
65°	438.7	538.1	685.5	788.3	819.2
67.5°	387.3	493.6	647.8	757.5	791.7
70°	332.5	449.0	613.5	726.6	760.9
72.5°	281.1	407.9	582.7	695.8	733.5
75°	229.6	366.7	548.4	664.9	702.6
77.5°	181.7	329.0	514.1	637.5	678.6
80°	130.2	291.3	483.3	606.7	647.8
82.5°	89.1	257.1	455.9	579.2	616.9
85°	51.4	226.2	425.0	551.8	589.5
87.5°	20.6	198.8	394.2	521.0	562.1
90°	0.0	174.8	370.2	497.0	534.7
92.5°	0.0	154.2	346.2	469.6	510.7
95°	3.4	137.1	322.2	445.6	486.7
97.5°	0.0	120.0	301.6	421.6	459.3
100°	0.0	109.7	281.1	397.6	435.3
102.5°	0.0	96.0	260.5	373.6	411.3
105°	0.0	85.7	239.9	349.6	383.9
107.5°	0.0	78.8	222.8	329.0	359.9
110°	0.0	68.5	205.6	308.5	339.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	61.7	188.5	284.5	315.3
115°	0.0	54.8	174.8	263.9	291.3
117.5°	0.0	51.4	157.7	243.3	270.8
120°	0.0	44.6	144.0	226.2	250.2
122.5°	0.0	41.1	133.7	205.6	229.6
125°	0.0	34.3	120.0	188.5	209.1
127.5°	0.0	30.8	106.3	171.4	188.5
130°	0.0	27.4	96.0	154.2	171.4
132.5°	0.0	24.0	85.7	137.1	154.2
135°	0.0	20.6	75.4	123.4	137.1
137.5°	0.0	17.1	65.1	106.3	120.0
140°	0.0	13.7	54.8	92.5	102.8
142.5°	0.0	10.3	48.0	78.8	89.1
145°	0.0	6.9	37.7	68.5	75.4
147.5°	0.0	6.9	30.8	54.8	61.7
150°	0.0	3.4	20.6	44.6	48.0
152.5°	0.0	3.4	17.1	34.3	34.3
155°	0.0	3.4	10.3	20.6	24.0
157.5°	0.0	0.0	6.9	13.7	13.7
160°	0.0	0.0	3.4	6.9	10.3
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)