

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: P218376

Luminaire Tested: **8TSNLED-LD5-74SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218376
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-LD5-74SL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7611.0 lumens
Efficiency: N/A
Efficacy: 124.4 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

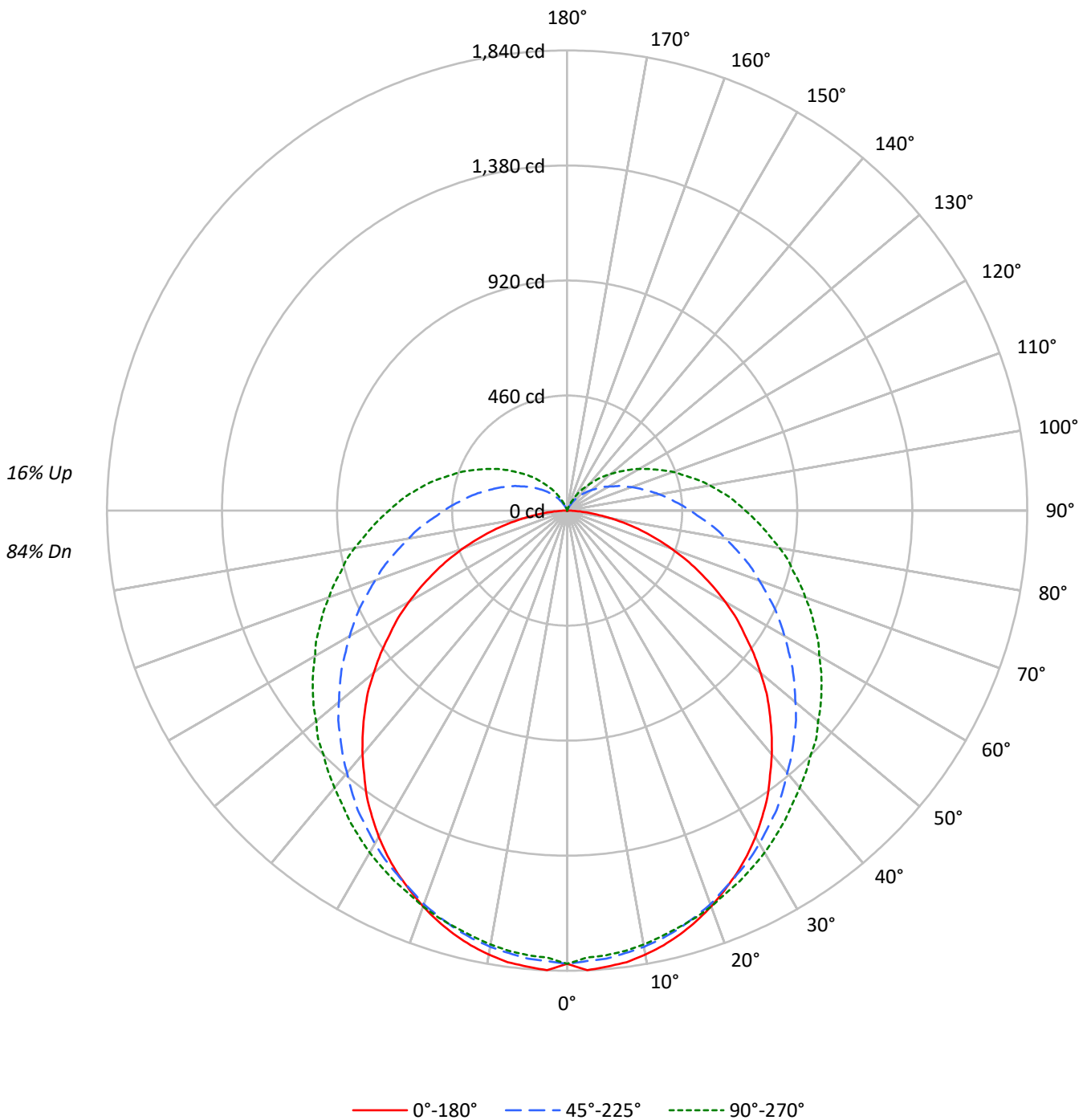
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	14600	14600	14600
5°	14777	13681	13273
10°	14696	12853	12254
15°	14539	12091	11350
20°	14332	11374	10587
25°	14106	10686	9907
30°	13847	10101	9315
35°	13539	9543	8766
40°	13163	8970	8275
45°	12787	8487	7853
50°	12338	8027	7492
55°	11830	7609	7183
60°	11357	7191	6865
65°	10662	6830	6614
70°	9865	6452	6370
75°	8831	6154	6155
80°	7198	5862	6000
85°	5112	5656	5839



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.6	2.3
10°-20°	490.8	6.4
20°-30°	745.9	9.8
30°-40°	912.9	12.0
40°-50°	985.6	12.9
50°-60°	967.6	12.7
60°-70°	871.5	11.5
70°-80°	721.6	9.5
80°-90°	555.0	7.3
90°-100°	418.4	5.5
100°-110°	307.9	4.0
110°-120°	212.4	2.8
120°-130°	134.7	1.8
130°-140°	74.5	1.0
140°-150°	32.3	0.4
150°-160°	8.1	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1408.3	18.5
0°-40°	2321.2	30.5
0°-60°	4274.4	56.2
0°-90°	6422.5	84.4
90°-120°	938.7	12.3
90°-150°	1180.2	15.5
90°-180°	1188.0	15.6
0°-180°	7611.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1812	1812	1812	1812	1812	
5°	1830	1821	1798	1798	1785	174
15°	1753	1748	1730	1739	1725	494
25°	1602	1602	1607	1639	1634	738
35°	1397	1410	1461	1506	1515	872
45°	1146	1196	1283	1360	1378	884
55°	867	963	1100	1210	1242	778
65°	584	717	913	1050	1091	580
75°	306	488	730	886	936	324
85°	68	301	566	735	785	78
90°	0	233	493	662	712	4
95°	5	183	429	593	648	1
105°	0	114	320	466	511	0
115°	0	73	233	352	388	0
125°	0	46	160	251	278	0
135°	0	27	100	164	183	0
145°	0	9	50	91	100	0
155°	0	5	14	27	32	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218376

CATALOG NUMBER: 8TSNLED-LD5-74SL-LW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1812.1	1812.1	1812.1	1812.1	1812.1
2.5°	1839.5	1825.8	1803.0	1803.0	1789.3
5°	1830.4	1821.3	1798.4	1798.4	1784.7
7.5°	1821.3	1812.1	1784.7	1789.3	1775.6
10°	1803.0	1793.9	1771.0	1775.6	1761.9
12.5°	1780.2	1771.0	1752.8	1757.3	1743.7
15°	1752.8	1748.2	1730.0	1739.1	1725.4
17.5°	1720.8	1716.3	1702.6	1716.3	1707.1
20°	1684.3	1684.3	1675.2	1693.4	1684.3
22.5°	1643.2	1643.2	1638.7	1666.1	1656.9
25°	1602.2	1602.2	1606.7	1638.7	1634.1
27.5°	1556.5	1561.1	1574.8	1611.3	1606.7
30°	1506.3	1515.4	1538.2	1579.3	1579.3
32.5°	1451.5	1460.7	1497.2	1547.4	1547.4
35°	1396.7	1410.4	1460.7	1506.3	1515.4
37.5°	1332.8	1355.7	1415.0	1469.8	1478.9
40°	1273.5	1305.5	1369.4	1433.3	1447.0
42.5°	1209.6	1250.7	1328.3	1401.3	1415.0
45°	1145.7	1195.9	1282.6	1360.2	1378.5
47.5°	1081.8	1136.6	1241.6	1323.7	1351.1
50°	1008.8	1077.2	1191.3	1287.2	1310.0
52.5°	940.3	1017.9	1145.7	1246.1	1278.1
55°	867.3	963.1	1100.1	1209.6	1241.6
57.5°	803.4	899.2	1049.8	1173.1	1205.0
60°	730.3	835.3	1004.2	1127.4	1164.0
62.5°	657.3	780.5	958.6	1090.9	1132.0
65°	584.3	716.6	912.9	1049.8	1090.9
67.5°	515.8	657.3	862.7	1008.8	1054.4
70°	442.8	598.0	817.1	967.7	1013.3
72.5°	374.3	543.2	776.0	926.6	976.8
75°	305.8	488.4	730.3	885.5	935.7
77.5°	241.9	438.2	684.7	849.0	903.8
80°	173.5	388.0	643.6	807.9	862.7
82.5°	118.7	342.3	607.1	771.4	821.6
85°	68.5	301.3	566.0	734.9	785.1
87.5°	27.4	264.7	524.9	693.8	748.6
90°	0.0	232.8	493.0	661.9	712.1
92.5°	0.0	205.4	461.0	625.3	680.1
95°	4.6	182.6	429.1	593.4	648.2
97.5°	0.0	159.8	401.7	561.4	611.6
100°	0.0	146.1	374.3	529.5	579.7
102.5°	0.0	127.8	346.9	497.5	547.7
105°	0.0	114.1	319.5	465.6	511.2
107.5°	0.0	105.0	296.7	438.2	479.3
110°	0.0	91.3	273.9	410.8	451.9



TEST NUMBER: P218376

CATALOG NUMBER: 8TSNLED-LD5-74SL-LW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	82.2	251.0	378.9	419.9
115°	0.0	73.0	232.8	351.5	388.0
117.5°	0.0	68.5	210.0	324.1	360.6
120°	0.0	59.3	191.7	301.3	333.2
122.5°	0.0	54.8	178.0	273.9	305.8
125°	0.0	45.6	159.8	251.0	278.4
127.5°	0.0	41.1	141.5	228.2	251.0
130°	0.0	36.5	127.8	205.4	228.2
132.5°	0.0	32.0	114.1	182.6	205.4
135°	0.0	27.4	100.4	164.3	182.6
137.5°	0.0	22.8	86.7	141.5	159.8
140°	0.0	18.3	73.0	123.2	136.9
142.5°	0.0	13.7	63.9	105.0	118.7
145°	0.0	9.1	50.2	91.3	100.4
147.5°	0.0	9.1	41.1	73.0	82.2
150°	0.0	4.6	27.4	59.3	63.9
152.5°	0.0	4.6	22.8	45.6	45.6
155°	0.0	4.6	13.7	27.4	32.0
157.5°	0.0	0.0	9.1	18.3	18.3
160°	0.0	0.0	4.6	9.1	13.7
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)