

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: P218378

Luminaire Tested: **8TSNLED-LD5-74SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218378
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8397.0 lumens
Efficiency: N/A
Efficacy: 137.3 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

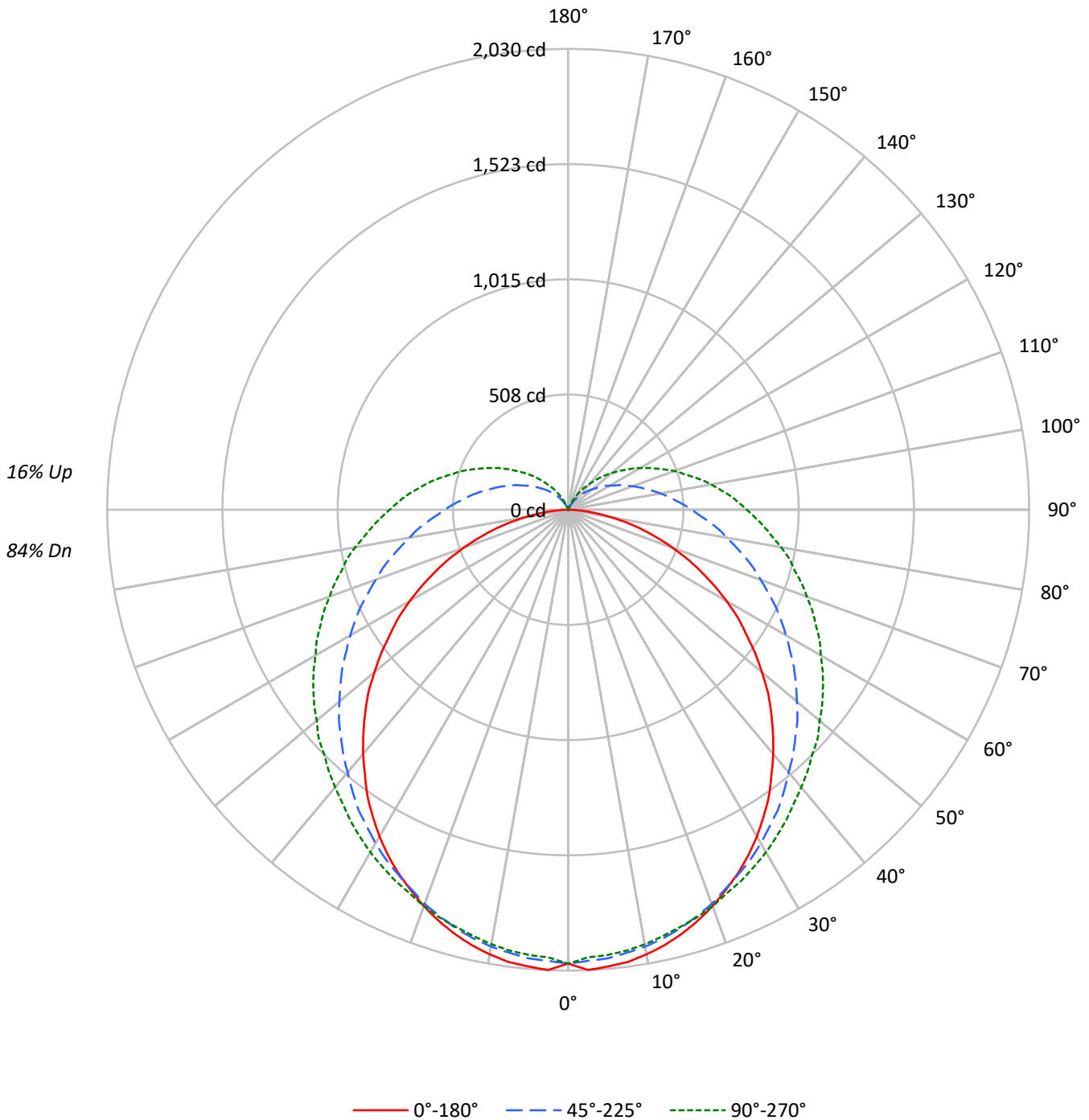
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16108	16108	16108
5°	16302	15094	14643
10°	16214	14180	13519
15°	16040	13340	12523
20°	15813	12549	11681
25°	15562	11789	10930
30°	15277	11144	10277
35°	14938	10528	9672
40°	14523	9896	9129
45°	14108	9364	8664
50°	13611	8856	8265
55°	13051	8394	7924
60°	12530	7933	7574
65°	11762	7536	7297
70°	10883	7118	7028
75°	9744	6790	6792
80°	7940	6468	6620
85°	5635	6240	6442



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	2.3
10°-20°	541.4	6.4
20°-30°	822.9	9.8
30°-40°	1007.2	12.0
40°-50°	1087.4	12.9
50°-60°	1067.6	12.7
60°-70°	961.5	11.5
70°-80°	796.2	9.5
80°-90°	612.3	7.3
90°-100°	461.6	5.5
100°-110°	339.6	4.0
110°-120°	234.3	2.8
120°-130°	148.6	1.8
130°-140°	82.2	1.0
140°-150°	35.6	0.4
150°-160°	8.9	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1553.7	18.5
0°-40°	2560.9	30.5
0°-60°	4715.8	56.2
0°-90°	7085.8	84.4
90°-120°	1035.6	12.3
90°-150°	1302.1	15.5
90°-180°	1311.0	15.6
0°-180°	8397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1999	1999	1999	1999	1999	
5°	2019	2009	1984	1984	1969	192
15°	1934	1929	1909	1919	1904	545
25°	1768	1768	1773	1808	1803	814
35°	1541	1556	1612	1662	1672	962
45°	1264	1319	1415	1501	1521	975
55°	957	1063	1214	1334	1370	859
65°	645	791	1007	1158	1204	640
75°	337	539	806	977	1032	358
85°	76	332	624	811	866	86
90°	0	257	544	730	786	4
95°	5	201	473	655	715	1
105°	0	126	352	514	564	0
115°	0	81	257	388	428	0
125°	0	50	176	277	307	0
135°	0	30	111	181	201	0
145°	0	10	55	101	111	0
155°	0	5	15	30	35	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°	1999.3	1999.3	1999.3	1999.3	1999.3
2.5°	2029.5	2014.4	1989.2	1989.2	1974.1
5°	2019.4	2009.3	1984.2	1984.2	1969.0
7.5°	2009.3	1999.3	1969.0	1974.1	1959.0
10°	1989.2	1979.1	1953.9	1959.0	1943.9
12.5°	1964.0	1953.9	1933.8	1938.8	1923.7
15°	1933.8	1928.8	1908.6	1918.7	1903.6
17.5°	1898.5	1893.5	1878.4	1893.5	1883.4
20°	1858.3	1858.3	1848.2	1868.3	1858.3
22.5°	1812.9	1812.9	1807.9	1838.1	1828.0
25°	1767.6	1767.6	1772.6	1807.9	1802.9
27.5°	1717.3	1722.3	1737.4	1777.7	1772.6
30°	1661.9	1671.9	1697.1	1742.4	1742.4
32.5°	1601.4	1611.5	1651.8	1707.2	1707.2
35°	1541.0	1556.1	1611.5	1661.9	1671.9
37.5°	1470.5	1495.7	1561.1	1621.6	1631.6
40°	1405.0	1440.3	1510.8	1581.3	1596.4
42.5°	1334.5	1379.8	1465.5	1546.0	1561.1
45°	1264.0	1319.4	1415.1	1500.7	1520.8
47.5°	1193.5	1253.9	1369.8	1460.4	1490.6
50°	1112.9	1188.5	1314.4	1420.1	1445.3
52.5°	1037.4	1123.0	1264.0	1374.8	1410.1
55°	956.8	1062.6	1213.7	1334.5	1369.8
57.5°	886.3	992.1	1158.3	1294.2	1329.5
60°	805.7	921.6	1107.9	1243.9	1284.2
62.5°	725.2	861.1	1057.5	1203.6	1248.9
65°	644.6	790.6	1007.2	1158.3	1203.6
67.5°	569.1	725.2	951.8	1112.9	1163.3
70°	488.5	659.7	901.4	1067.6	1118.0
72.5°	412.9	599.3	856.1	1022.3	1077.7
75°	337.4	538.8	805.7	977.0	1032.4
77.5°	266.9	483.4	755.4	936.7	997.1
80°	191.4	428.1	710.1	891.4	951.8
82.5°	130.9	377.7	669.8	851.1	906.5
85°	75.5	332.4	624.5	810.8	866.2
87.5°	30.2	292.1	579.1	765.5	825.9
90°	0.0	256.8	543.9	730.2	785.6
92.5°	0.0	226.6	508.6	689.9	750.4
95°	5.0	201.4	473.4	654.7	715.1
97.5°	0.0	176.3	443.2	619.4	674.8
100°	0.0	161.1	412.9	584.2	639.6
102.5°	0.0	141.0	382.7	548.9	604.3
105°	0.0	125.9	352.5	513.7	564.0
107.5°	0.0	115.8	327.3	483.4	528.8
110°	0.0	100.7	302.2	453.2	498.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	90.6	277.0	418.0	463.3
115°	0.0	80.6	256.8	387.8	428.1
117.5°	0.0	75.5	231.7	357.6	397.8
120°	0.0	65.5	211.5	332.4	367.6
122.5°	0.0	60.4	196.4	302.2	337.4
125°	0.0	50.4	176.3	277.0	307.2
127.5°	0.0	45.3	156.1	251.8	277.0
130°	0.0	40.3	141.0	226.6	251.8
132.5°	0.0	35.3	125.9	201.4	226.6
135°	0.0	30.2	110.8	181.3	201.4
137.5°	0.0	25.2	95.7	156.1	176.3
140°	0.0	20.1	80.6	136.0	151.1
142.5°	0.0	15.1	70.5	115.8	130.9
145°	0.0	10.1	55.4	100.7	110.8
147.5°	0.0	10.1	45.3	80.6	90.6
150°	0.0	5.0	30.2	65.5	70.5
152.5°	0.0	5.0	25.2	50.4	50.4
155°	0.0	5.0	15.1	30.2	35.3
157.5°	0.0	0.0	10.1	20.1	20.1
160°	0.0	0.0	5.0	10.1	15.1
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)