

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: P218372

Luminaire Tested: **8TSNLED-LD5-67SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218372  
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-LD5-67SL-LW-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6991.0 lumens  
Efficiency: N/A  
Efficacy: 126.2 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

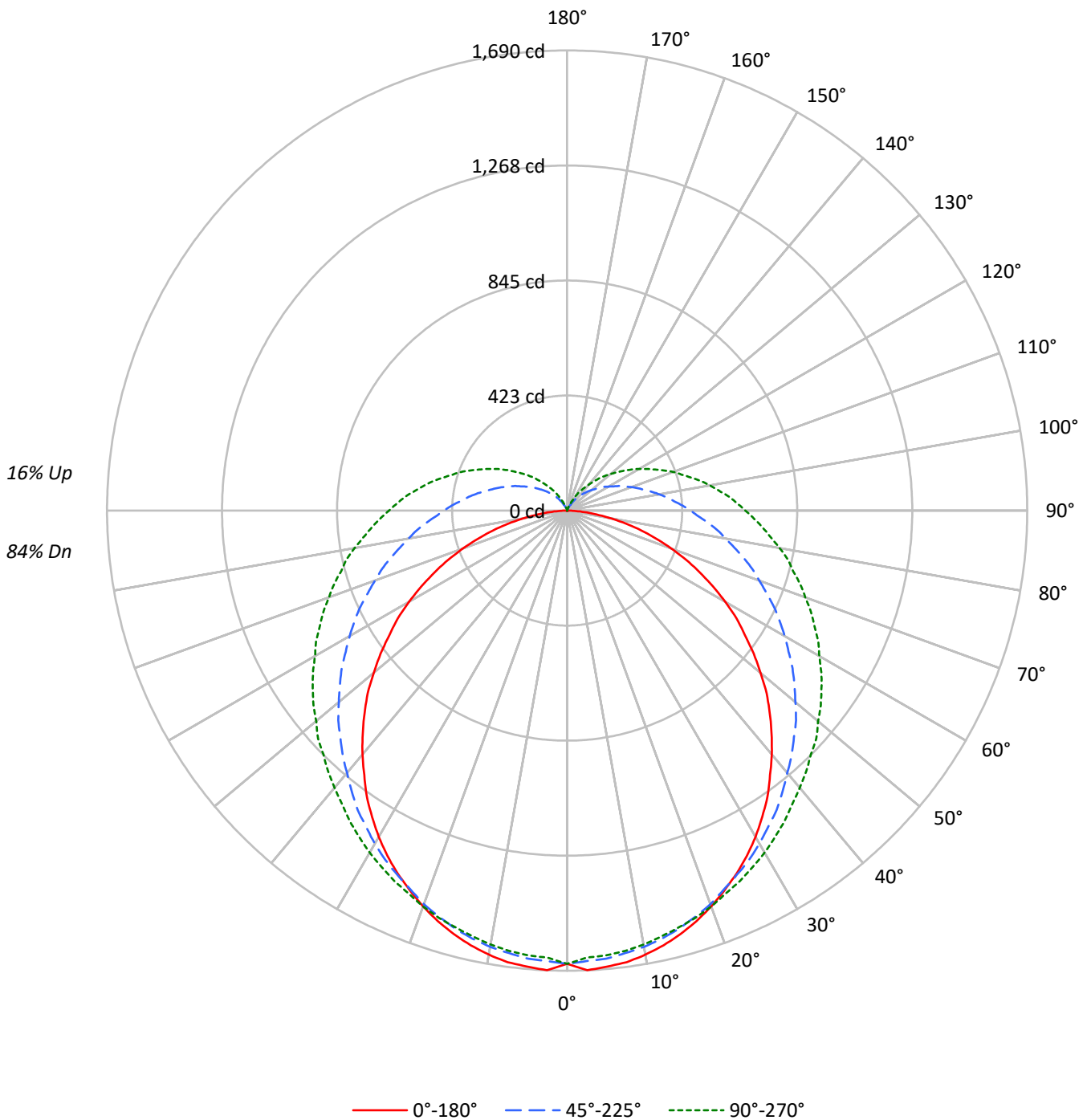
Input Watts (W): 55.38  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	13411	13411	13411
5°	13573	12566	12191
10°	13499	11806	11256
15°	13354	11106	10425
20°	13165	10448	9725
25°	12956	9815	9100
30°	12719	9278	8556
35°	12437	8766	8053
40°	12091	8239	7601
45°	11746	7796	7214
50°	11332	7373	6881
55°	10866	6988	6597
60°	10432	6605	6306
65°	9793	6274	6075
70°	9061	5926	5851
75°	8112	5653	5654
80°	6609	5385	5511
85°	4694	5195	5363



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.6	2.3
10°-20°	450.8	6.4
20°-30°	685.2	9.8
30°-40°	838.5	12.0
40°-50°	905.3	12.9
50°-60°	888.8	12.7
60°-70°	800.5	11.5
70°-80°	662.8	9.5
80°-90°	509.8	7.3
90°-100°	384.3	5.5
100°-110°	282.8	4.0
110°-120°	195.1	2.8
120°-130°	123.7	1.8
130°-140°	68.5	1.0
140°-150°	29.7	0.4
150°-160°	7.4	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1293.6	18.5
0°-40°	2132.1	30.5
0°-60°	3926.2	56.2
0°-90°	5899.4	84.4
90°-120°	862.2	12.3
90°-150°	1084.1	15.5
90°-180°	1092.0	15.6
0°-180°	6991.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1664	1664	1664	1664	1664	
5°	1681	1673	1652	1652	1639	160
15°	1610	1606	1589	1597	1585	454
25°	1472	1472	1476	1505	1501	678
35°	1283	1296	1342	1384	1392	801
45°	1052	1098	1178	1249	1266	812
55°	797	885	1010	1111	1140	715
65°	537	658	838	964	1002	533
75°	281	449	671	813	860	298
85°	63	277	520	675	721	72
90°	0	214	453	608	654	3
95°	4	168	394	545	595	1
105°	0	105	294	428	470	0
115°	0	67	214	323	356	0
125°	0	42	147	231	256	0
135°	0	25	92	151	168	0
145°	0	8	46	84	92	0
155°	0	4	13	25	29	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°	1664.5	1664.5	1664.5	1664.5	1664.5
2.5°	1689.7	1677.1	1656.1	1656.1	1643.5
5°	1681.3	1672.9	1651.9	1651.9	1639.3
7.5°	1672.9	1664.5	1639.3	1643.5	1631.0
10°	1656.1	1647.7	1626.8	1631.0	1618.4
12.5°	1635.2	1626.8	1610.0	1614.2	1601.6
15°	1610.0	1605.8	1589.0	1597.4	1584.8
17.5°	1580.7	1576.5	1563.9	1576.5	1568.1
20°	1547.1	1547.1	1538.7	1555.5	1547.1
22.5°	1509.4	1509.4	1505.2	1530.3	1522.0
25°	1471.6	1471.6	1475.8	1505.2	1501.0
27.5°	1429.7	1433.9	1446.5	1480.0	1475.8
30°	1383.6	1392.0	1412.9	1450.7	1450.7
32.5°	1333.3	1341.7	1375.2	1421.3	1421.3
35°	1283.0	1295.5	1341.7	1383.6	1392.0
37.5°	1224.3	1245.2	1299.7	1350.1	1358.4
40°	1169.8	1199.1	1257.8	1316.5	1329.1
42.5°	1111.1	1148.8	1220.1	1287.2	1299.7
45°	1052.4	1098.5	1178.2	1249.4	1266.2
47.5°	993.7	1044.0	1140.4	1215.9	1241.0
50°	926.6	989.5	1094.3	1182.3	1203.3
52.5°	863.7	935.0	1052.4	1144.6	1174.0
55°	796.6	884.7	1010.4	1111.1	1140.4
57.5°	737.9	826.0	964.3	1077.5	1106.9
60°	670.8	767.3	922.4	1035.6	1069.1
62.5°	603.7	717.0	880.5	1002.1	1039.8
65°	536.7	658.3	838.5	964.3	1002.1
67.5°	473.8	603.7	792.4	926.6	968.5
70°	406.7	549.2	750.5	888.9	930.8
72.5°	343.8	498.9	712.8	851.1	897.2
75°	280.9	448.6	670.8	813.4	859.5
77.5°	222.2	402.5	628.9	779.8	830.2
80°	159.3	356.4	591.2	742.1	792.4
82.5°	109.0	314.5	557.6	708.6	754.7
85°	62.9	276.7	519.9	675.0	721.1
87.5°	25.2	243.2	482.2	637.3	687.6
90°	0.0	213.8	452.8	607.9	654.1
92.5°	0.0	188.7	423.5	574.4	624.7
95°	4.2	167.7	394.1	545.1	595.4
97.5°	0.0	146.7	369.0	515.7	561.8
100°	0.0	134.2	343.8	486.4	532.5
102.5°	0.0	117.4	318.6	457.0	503.1
105°	0.0	104.8	293.5	427.7	469.6
107.5°	0.0	96.4	272.5	402.5	440.2
110°	0.0	83.9	251.6	377.3	415.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	75.5	230.6	348.0	385.7
115°	0.0	67.1	213.8	322.8	356.4
117.5°	0.0	62.9	192.9	297.7	331.2
120°	0.0	54.5	176.1	276.7	306.1
122.5°	0.0	50.3	163.5	251.6	280.9
125°	0.0	41.9	146.7	230.6	255.8
127.5°	0.0	37.7	130.0	209.6	230.6
130°	0.0	33.5	117.4	188.7	209.6
132.5°	0.0	29.3	104.8	167.7	188.7
135°	0.0	25.2	92.2	150.9	167.7
137.5°	0.0	21.0	79.7	130.0	146.7
140°	0.0	16.8	67.1	113.2	125.8
142.5°	0.0	12.6	58.7	96.4	109.0
145°	0.0	8.4	46.1	83.9	92.2
147.5°	0.0	8.4	37.7	67.1	75.5
150°	0.0	4.2	25.2	54.5	58.7
152.5°	0.0	4.2	21.0	41.9	41.9
155°	0.0	4.2	12.6	25.2	29.3
157.5°	0.0	0.0	8.4	16.8	16.8
160°	0.0	0.0	4.2	8.4	12.6
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)