

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: P218362

Luminaire Tested: **4SNLED-LD5-65HL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218362  
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: 4SNLED-LD5-65HL-LW-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7247.0 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

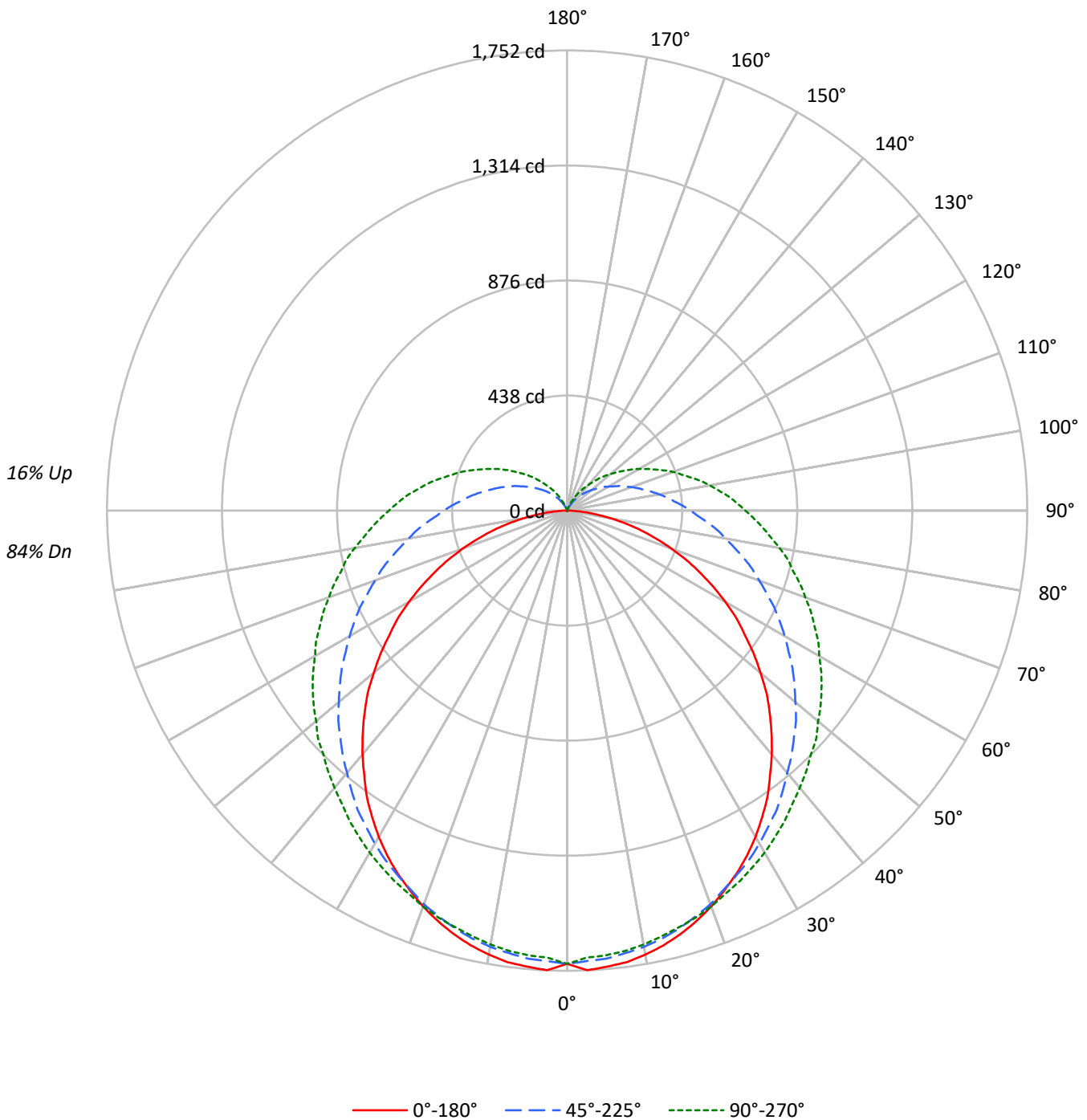
Input Watts (W): 61.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	65
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°	27804	27804	27804
5°	28088	26021	25277
10°	27885	24420	23335
15°	27534	22949	21615
20°	27090	21569	20163
25°	26605	20246	18867
30°	26059	19121	17739
35°	25418	18049	16695
40°	24644	16950	15759
45°	23863	16026	14956
50°	22937	15143	14267
55°	21894	14340	13678
60°	20900	13540	13074
65°	19468	12847	12596
70°	17819	12122	12131
75°	15686	11548	11723
80°	12395	10983	11425
85°	8160	10577	11120



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.4	2.3
10°-20°	467.3	6.4
20°-30°	710.2	9.8
30°-40°	869.2	12.0
40°-50°	938.5	12.9
50°-60°	921.3	12.7
60°-70°	829.8	11.5
70°-80°	687.1	9.5
80°-90°	528.5	7.3
90°-100°	398.4	5.5
100°-110°	293.1	4.0
110°-120°	202.2	2.8
120°-130°	128.3	1.8
130°-140°	71.0	1.0
140°-150°	30.7	0.4
150°-160°	7.7	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1340.9	18.5
0°-40°	2210.2	30.5
0°-60°	4070.0	56.2
0°-90°	6115.4	84.4
90°-120°	893.8	12.3
90°-150°	1123.7	15.5
90°-180°	1132.0	15.6
0°-180°	7247.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1726	1726	1726	1726	1726	
5°	1743	1734	1712	1712	1699	166
15°	1669	1665	1647	1656	1643	471
25°	1526	1526	1530	1560	1556	703
35°	1330	1343	1391	1434	1443	830
45°	1091	1139	1221	1295	1313	841
55°	826	917	1047	1152	1182	741
65°	556	682	869	1000	1039	552
75°	291	465	695	843	891	309
85°	65	287	539	700	748	74
90°	0	222	469	630	678	4
95°	4	174	408	565	617	1
105°	0	109	304	443	487	0
115°	0	70	222	335	369	0
125°	0	44	152	239	265	0
135°	0	26	96	156	174	0
145°	0	9	48	87	96	0
155°	0	4	13	26	30	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°	1725.5	1725.5	1725.5	1725.5	1725.5
2.5°	1751.5	1738.5	1716.8	1716.8	1703.7
5°	1742.8	1734.1	1712.4	1712.4	1699.4
7.5°	1734.1	1725.5	1699.4	1703.7	1690.7
10°	1716.8	1708.1	1686.3	1690.7	1677.6
12.5°	1695.0	1686.3	1669.0	1673.3	1660.3
15°	1669.0	1664.6	1647.2	1655.9	1642.9
17.5°	1638.5	1634.2	1621.1	1634.2	1625.5
20°	1603.8	1603.8	1595.1	1612.5	1603.8
22.5°	1564.6	1564.6	1560.3	1586.4	1577.7
25°	1525.5	1525.5	1529.9	1560.3	1556.0
27.5°	1482.1	1486.4	1499.5	1534.2	1529.9
30°	1434.3	1443.0	1464.7	1503.8	1503.8
32.5°	1382.1	1390.8	1425.6	1473.4	1473.4
35°	1329.9	1343.0	1390.8	1434.3	1443.0
37.5°	1269.1	1290.8	1347.3	1399.5	1408.2
40°	1212.6	1243.0	1303.9	1364.7	1377.8
42.5°	1151.8	1190.9	1264.8	1334.3	1347.3
45°	1090.9	1138.7	1221.3	1295.2	1312.6
47.5°	1030.1	1082.2	1182.2	1260.4	1286.5
50°	960.5	1025.7	1134.4	1225.6	1247.4
52.5°	895.3	969.2	1090.9	1186.5	1216.9
55°	825.8	917.1	1047.4	1151.8	1182.2
57.5°	764.9	856.2	999.6	1117.0	1147.4
60°	695.4	795.4	956.2	1073.5	1108.3
62.5°	625.9	743.2	912.7	1038.8	1077.9
65°	556.3	682.4	869.2	999.6	1038.8
67.5°	491.1	625.9	821.4	960.5	1004.0
70°	421.6	569.4	778.0	921.4	964.9
72.5°	356.4	517.2	738.9	882.3	930.1
75°	291.2	465.0	695.4	843.2	891.0
77.5°	230.4	417.2	651.9	808.4	860.6
80°	165.2	369.4	612.8	769.3	821.4
82.5°	113.0	326.0	578.0	734.5	782.3
85°	65.2	286.9	538.9	699.7	747.6
87.5°	26.1	252.1	499.8	660.6	712.8
90°	0.0	221.7	469.4	630.2	678.0
92.5°	0.0	195.6	439.0	595.4	647.6
95°	4.3	173.8	408.5	565.0	617.2
97.5°	0.0	152.1	382.5	534.6	582.4
100°	0.0	139.1	356.4	504.2	552.0
102.5°	0.0	121.7	330.3	473.7	521.5
105°	0.0	108.7	304.2	443.3	486.8
107.5°	0.0	100.0	282.5	417.2	456.4
110°	0.0	86.9	260.8	391.2	430.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	78.2	239.0	360.7	399.9
115°	0.0	69.5	221.7	334.7	369.4
117.5°	0.0	65.2	199.9	308.6	343.4
120°	0.0	56.5	182.5	286.9	317.3
122.5°	0.0	52.2	169.5	260.8	291.2
125°	0.0	43.5	152.1	239.0	265.1
127.5°	0.0	39.1	134.7	217.3	239.0
130°	0.0	34.8	121.7	195.6	217.3
132.5°	0.0	30.4	108.7	173.8	195.6
135°	0.0	26.1	95.6	156.5	173.8
137.5°	0.0	21.7	82.6	134.7	152.1
140°	0.0	17.4	69.5	117.3	130.4
142.5°	0.0	13.0	60.8	100.0	113.0
145°	0.0	8.7	47.8	86.9	95.6
147.5°	0.0	8.7	39.1	69.5	78.2
150°	0.0	4.3	26.1	56.5	60.8
152.5°	0.0	4.3	21.7	43.5	43.5
155°	0.0	4.3	13.0	26.1	30.4
157.5°	0.0	0.0	8.7	17.4	17.4
160°	0.0	0.0	4.3	8.7	13.0
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)