

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: P218352

Luminaire Tested: **4SNLED-LD5-56SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218352  
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-LD5-56SL-LW-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5662.0 lumens  
Efficiency: N/A  
Efficacy: 109.9 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

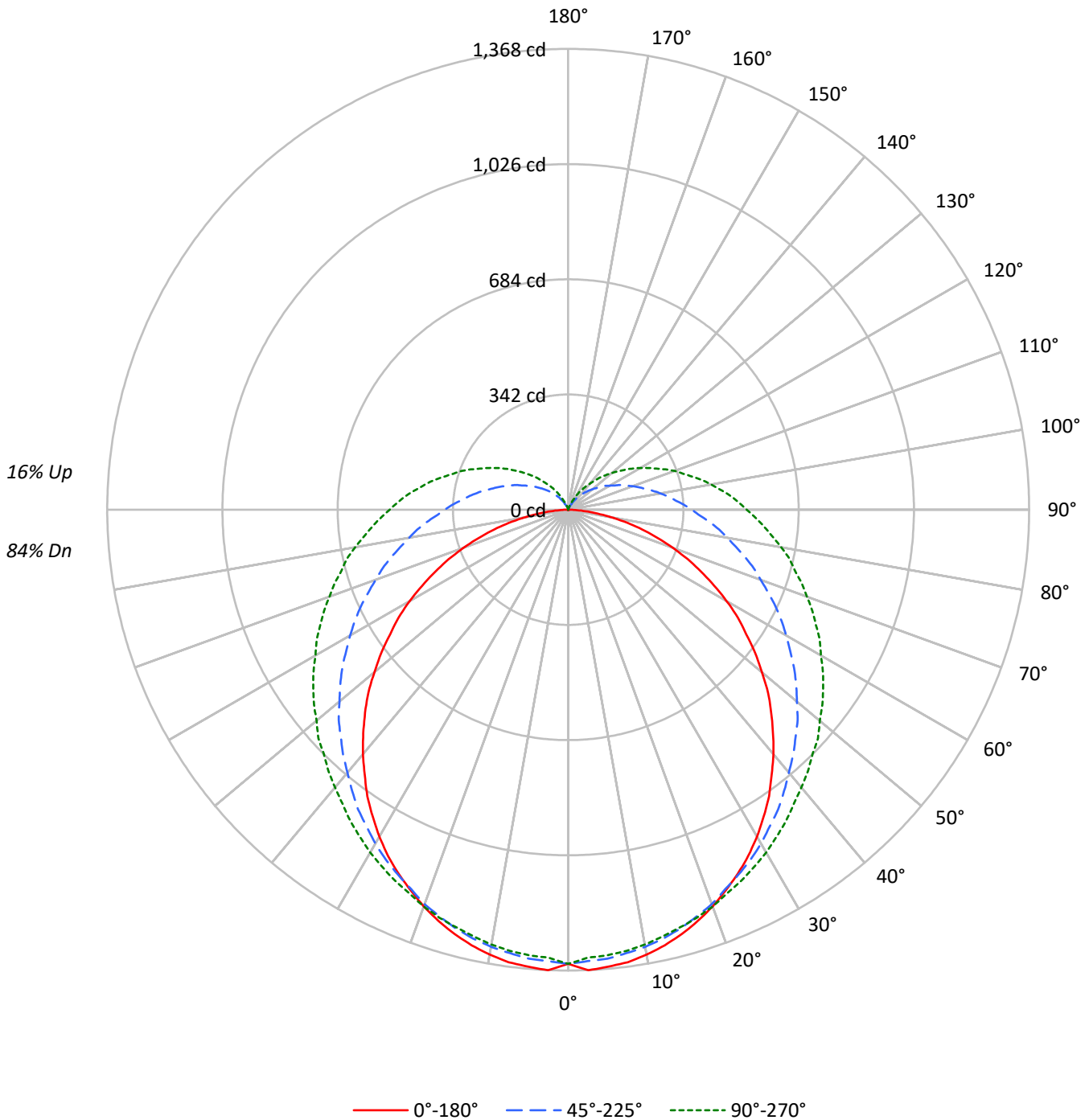
Input Watts (W): 51.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				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°	21723	21723	21723
5°	21946	20331	19748
10°	21786	19079	18231
15°	21511	17931	16888
20°	21165	16851	15753
25°	20787	15818	14740
30°	20360	14938	13859
35°	19860	14101	13044
40°	19254	13243	12311
45°	18644	12521	11685
50°	17920	11831	11147
55°	17106	11204	10686
60°	16328	10578	10214
65°	15209	10037	9841
70°	13922	9470	9477
75°	12254	9022	9158
80°	9679	8581	8927
85°	6371	8265	8688



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.7	2.3
10°-20°	365.1	6.4
20°-30°	554.9	9.8
30°-40°	679.1	12.0
40°-50°	733.2	12.9
50°-60°	719.8	12.7
60°-70°	648.3	11.5
70°-80°	536.8	9.5
80°-90°	412.9	7.3
90°-100°	311.2	5.5
100°-110°	229.0	4.0
110°-120°	158.0	2.8
120°-130°	100.2	1.8
130°-140°	55.5	1.0
140°-150°	24.0	0.4
150°-160°	6.0	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1047.6	18.5
0°-40°	1726.8	30.5
0°-60°	3179.8	56.2
0°-90°	4777.9	84.4
90°-120°	698.3	12.3
90°-150°	878.0	15.5
90°-180°	884.0	15.6
0°-180°	5662.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1362	1355	1338	1338	1328	129
15°	1304	1300	1287	1294	1284	368
25°	1192	1192	1195	1219	1216	549
35°	1039	1049	1087	1121	1127	649
45°	852	890	954	1012	1026	657
55°	645	716	818	900	924	579
65°	435	533	679	781	812	431
75°	228	363	543	659	696	241
85°	51	224	421	547	584	58
90°	0	173	367	492	530	3
95°	3	136	319	441	482	1
105°	0	85	238	346	380	0
115°	0	54	173	262	289	0
125°	0	34	119	187	207	0
135°	0	20	75	122	136	0
145°	0	7	37	68	75	0
155°	0	3	10	20	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°	1348.1	1348.1	1348.1	1348.1	1348.1
2.5°	1368.5	1358.3	1341.3	1341.3	1331.1
5°	1361.7	1354.9	1337.9	1337.9	1327.7
7.5°	1354.9	1348.1	1327.7	1331.1	1320.9
10°	1341.3	1334.5	1317.5	1320.9	1310.7
12.5°	1324.3	1317.5	1303.9	1307.3	1297.1
15°	1303.9	1300.5	1287.0	1293.7	1283.6
17.5°	1280.2	1276.8	1266.6	1276.8	1270.0
20°	1253.0	1253.0	1246.2	1259.8	1253.0
22.5°	1222.4	1222.4	1219.0	1239.4	1232.6
25°	1191.9	1191.9	1195.3	1219.0	1215.6
27.5°	1157.9	1161.3	1171.5	1198.7	1195.3
30°	1120.6	1127.4	1144.3	1174.9	1174.9
32.5°	1079.8	1086.6	1113.8	1151.1	1151.1
35°	1039.1	1049.3	1086.6	1120.6	1127.4
37.5°	991.5	1008.5	1052.7	1093.4	1100.2
40°	947.4	971.2	1018.7	1066.2	1076.4
42.5°	899.9	930.4	988.1	1042.5	1052.7
45°	852.3	889.7	954.2	1011.9	1025.5
47.5°	804.8	845.5	923.6	984.7	1005.1
50°	750.4	801.4	886.3	957.6	974.6
52.5°	699.5	757.2	852.3	927.0	950.8
55°	645.2	716.5	818.4	899.9	923.6
57.5°	597.6	668.9	781.0	872.7	896.5
60°	543.3	621.4	747.0	838.7	865.9
62.5°	489.0	580.7	713.1	811.6	842.1
65°	434.6	533.1	679.1	781.0	811.6
67.5°	383.7	489.0	641.8	750.4	784.4
70°	329.4	444.8	607.8	719.9	753.8
72.5°	278.4	404.1	577.3	689.3	726.7
75°	227.5	363.3	543.3	658.8	696.1
77.5°	180.0	326.0	509.4	631.6	672.3
80°	129.0	288.6	478.8	601.0	641.8
82.5°	88.3	254.7	451.6	573.9	611.2
85°	50.9	224.1	421.1	546.7	584.1
87.5°	20.4	196.9	390.5	516.1	556.9
90°	0.0	173.2	366.7	492.4	529.7
92.5°	0.0	152.8	343.0	465.2	506.0
95°	3.4	135.8	319.2	441.4	482.2
97.5°	0.0	118.8	298.8	417.7	455.0
100°	0.0	108.7	278.4	393.9	431.2
102.5°	0.0	95.1	258.1	370.1	407.5
105°	0.0	84.9	237.7	346.4	380.3
107.5°	0.0	78.1	220.7	326.0	356.5
110°	0.0	67.9	203.7	305.6	336.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	61.1	186.8	281.8	312.4
115°	0.0	54.3	173.2	261.5	288.6
117.5°	0.0	50.9	156.2	241.1	268.3
120°	0.0	44.1	142.6	224.1	247.9
122.5°	0.0	40.7	132.4	203.7	227.5
125°	0.0	34.0	118.8	186.8	207.1
127.5°	0.0	30.6	105.3	169.8	186.8
130°	0.0	27.2	95.1	152.8	169.8
132.5°	0.0	23.8	84.9	135.8	152.8
135°	0.0	20.4	74.7	122.2	135.8
137.5°	0.0	17.0	64.5	105.3	118.8
140°	0.0	13.6	54.3	91.7	101.9
142.5°	0.0	10.2	47.5	78.1	88.3
145°	0.0	6.8	37.4	67.9	74.7
147.5°	0.0	6.8	30.6	54.3	61.1
150°	0.0	3.4	20.4	44.1	47.5
152.5°	0.0	3.4	17.0	34.0	34.0
155°	0.0	3.4	10.2	20.4	23.8
157.5°	0.0	0.0	6.8	13.6	13.6
160°	0.0	0.0	3.4	6.8	10.2
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)