

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: P218356

Luminaire Tested: **4SNLED-LD5-58SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218356
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-LD5-58SL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5897.0 lumens
Efficiency: N/A
Efficacy: 107.4 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

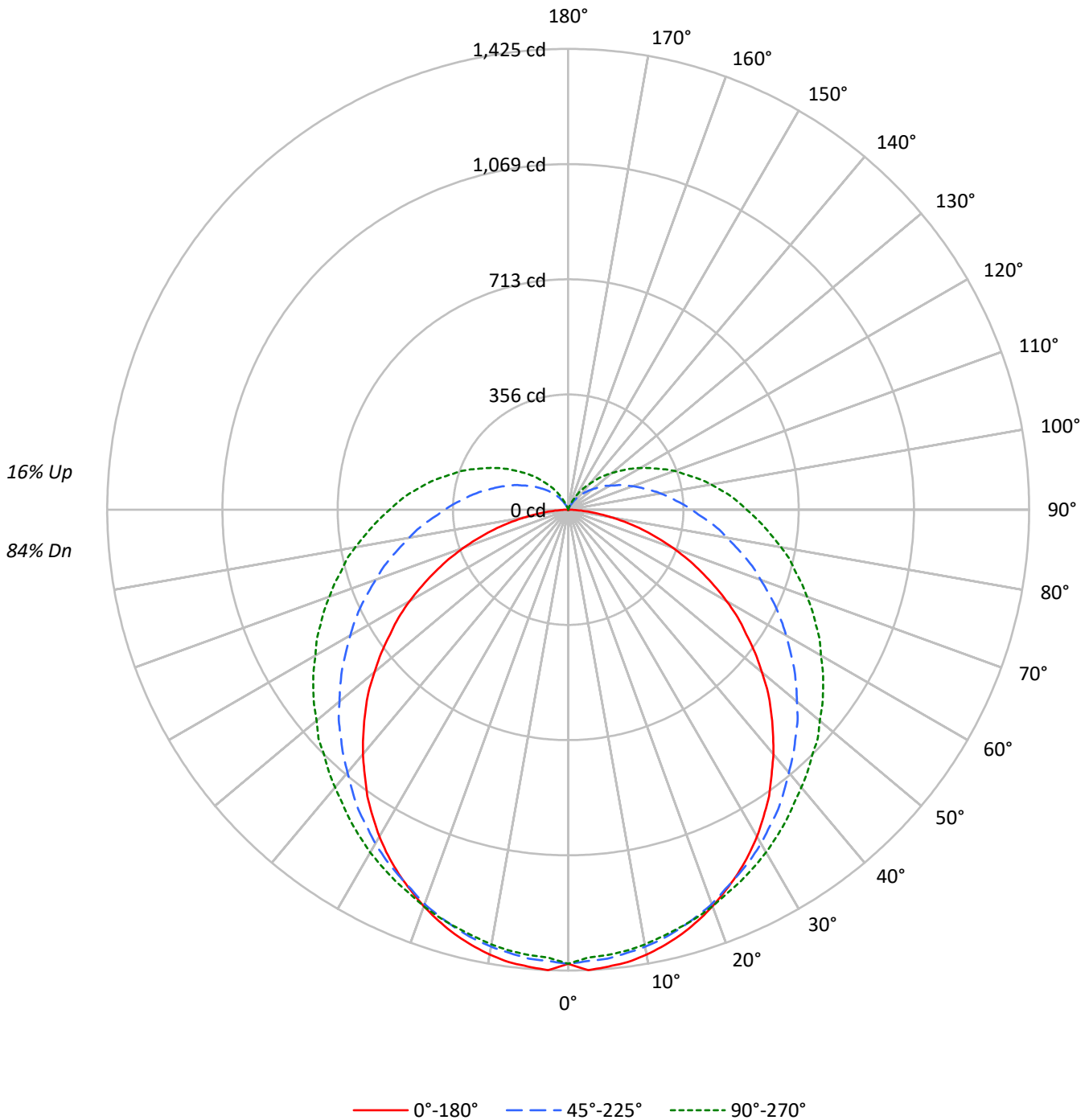
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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	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°	22624	22624	22624
5°	22856	21174	20568
10°	22691	19871	18988
15°	22405	18675	17588
20°	22043	17551	16406
25°	21648	16475	15352
30°	21204	15558	14435
35°	20683	14687	13585
40°	20053	13793	12823
45°	19418	13041	12170
50°	18665	12323	11609
55°	17816	11668	11130
60°	17008	11018	10638
65°	15842	10454	10248
70°	14501	9864	9870
75°	12766	9397	9539
80°	10084	8938	9297
85°	6633	8607	9048



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	2.3
10°-20°	380.2	6.4
20°-30°	577.9	9.8
30°-40°	707.3	12.0
40°-50°	763.6	12.9
50°-60°	749.7	12.7
60°-70°	675.2	11.5
70°-80°	559.1	9.5
80°-90°	430.0	7.3
90°-100°	324.2	5.5
100°-110°	238.5	4.0
110°-120°	164.6	2.8
120°-130°	104.4	1.8
130°-140°	57.8	1.0
140°-150°	25.0	0.4
150°-160°	6.2	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1091.1	18.5
0°-40°	1798.4	30.5
0°-60°	3311.8	56.2
0°-90°	4976.2	84.4
90°-120°	727.3	12.3
90°-150°	914.4	15.5
90°-180°	921.0	15.6
0°-180°	5897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1404	1404	1404	1404	1404	
5°	1418	1411	1393	1393	1383	135
15°	1358	1354	1340	1347	1337	383
25°	1241	1241	1245	1270	1266	572
35°	1082	1093	1132	1167	1174	676
45°	888	927	994	1054	1068	685
55°	672	746	852	937	962	603
65°	453	555	707	813	845	449
75°	237	378	566	686	725	251
85°	53	233	438	569	608	61
90°	0	180	382	513	552	3
95°	4	142	332	460	502	1
105°	0	88	248	361	396	0
115°	0	57	180	272	301	0
125°	0	35	124	194	216	0
135°	0	21	78	127	142	0
145°	0	7	39	71	78	0
155°	0	4	11	21	25	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°	1404.0	1404.0	1404.0	1404.0	1404.0
2.5°	1425.3	1414.6	1397.0	1397.0	1386.3
5°	1418.2	1411.1	1393.4	1393.4	1382.8
7.5°	1411.1	1404.0	1382.8	1386.3	1375.7
10°	1397.0	1389.9	1372.2	1375.7	1365.1
12.5°	1379.3	1372.2	1358.1	1361.6	1351.0
15°	1358.1	1354.5	1340.4	1347.4	1336.8
17.5°	1333.3	1329.8	1319.2	1329.8	1322.7
20°	1305.0	1305.0	1297.9	1312.1	1305.0
22.5°	1273.2	1273.2	1269.6	1290.9	1283.8
25°	1241.3	1241.3	1244.9	1269.6	1266.1
27.5°	1206.0	1209.5	1220.1	1248.4	1244.9
30°	1167.1	1174.2	1191.8	1223.7	1223.7
32.5°	1124.6	1131.7	1160.0	1198.9	1198.9
35°	1082.2	1092.8	1131.7	1167.1	1174.2
37.5°	1032.7	1050.4	1096.3	1138.8	1145.9
40°	986.7	1011.5	1061.0	1110.5	1121.1
42.5°	937.2	969.0	1029.2	1085.7	1096.3
45°	887.7	926.6	993.8	1053.9	1068.1
47.5°	838.2	880.6	962.0	1025.6	1046.8
50°	781.6	834.6	923.1	997.3	1015.0
52.5°	728.5	788.7	887.7	965.5	990.2
55°	672.0	746.2	852.3	937.2	962.0
57.5°	622.4	696.7	813.4	908.9	933.7
60°	565.9	647.2	778.1	873.5	901.8
62.5°	509.3	604.8	742.7	845.2	877.1
65°	452.7	555.2	707.3	813.4	845.2
67.5°	399.6	509.3	668.4	781.6	817.0
70°	343.1	463.3	633.1	749.8	785.1
72.5°	290.0	420.9	601.2	717.9	756.8
75°	237.0	378.4	565.9	686.1	725.0
77.5°	187.4	339.5	530.5	657.8	700.2
80°	134.4	300.6	498.7	626.0	668.4
82.5°	92.0	265.2	470.4	597.7	636.6
85°	53.0	233.4	438.5	569.4	608.3
87.5°	21.2	205.1	406.7	537.6	580.0
90°	0.0	180.4	382.0	512.8	551.7
92.5°	0.0	159.1	357.2	484.5	527.0
95°	3.5	141.5	332.4	459.8	502.2
97.5°	0.0	123.8	311.2	435.0	473.9
100°	0.0	113.2	290.0	410.2	449.1
102.5°	0.0	99.0	268.8	385.5	424.4
105°	0.0	88.4	247.6	360.7	396.1
107.5°	0.0	81.3	229.9	339.5	371.3
110°	0.0	70.7	212.2	318.3	350.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	63.7	194.5	293.5	325.4
115°	0.0	56.6	180.4	272.3	300.6
117.5°	0.0	53.0	162.7	251.1	279.4
120°	0.0	46.0	148.5	233.4	258.2
122.5°	0.0	42.4	137.9	212.2	237.0
125°	0.0	35.4	123.8	194.5	215.7
127.5°	0.0	31.8	109.6	176.8	194.5
130°	0.0	28.3	99.0	159.1	176.8
132.5°	0.0	24.8	88.4	141.5	159.1
135°	0.0	21.2	77.8	127.3	141.5
137.5°	0.0	17.7	67.2	109.6	123.8
140°	0.0	14.1	56.6	95.5	106.1
142.5°	0.0	10.6	49.5	81.3	92.0
145°	0.0	7.1	38.9	70.7	77.8
147.5°	0.0	7.1	31.8	56.6	63.7
150°	0.0	3.5	21.2	46.0	49.5
152.5°	0.0	3.5	17.7	35.4	35.4
155°	0.0	3.5	10.6	21.2	24.8
157.5°	0.0	0.0	7.1	14.1	14.1
160°	0.0	0.0	3.5	7.1	10.6
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)