

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: P218344

Luminaire Tested: **4SNLED-LD5-50SL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218344
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-LD5-50SL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5314.0 lumens
Efficiency: N/A
Efficacy: 112.8 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

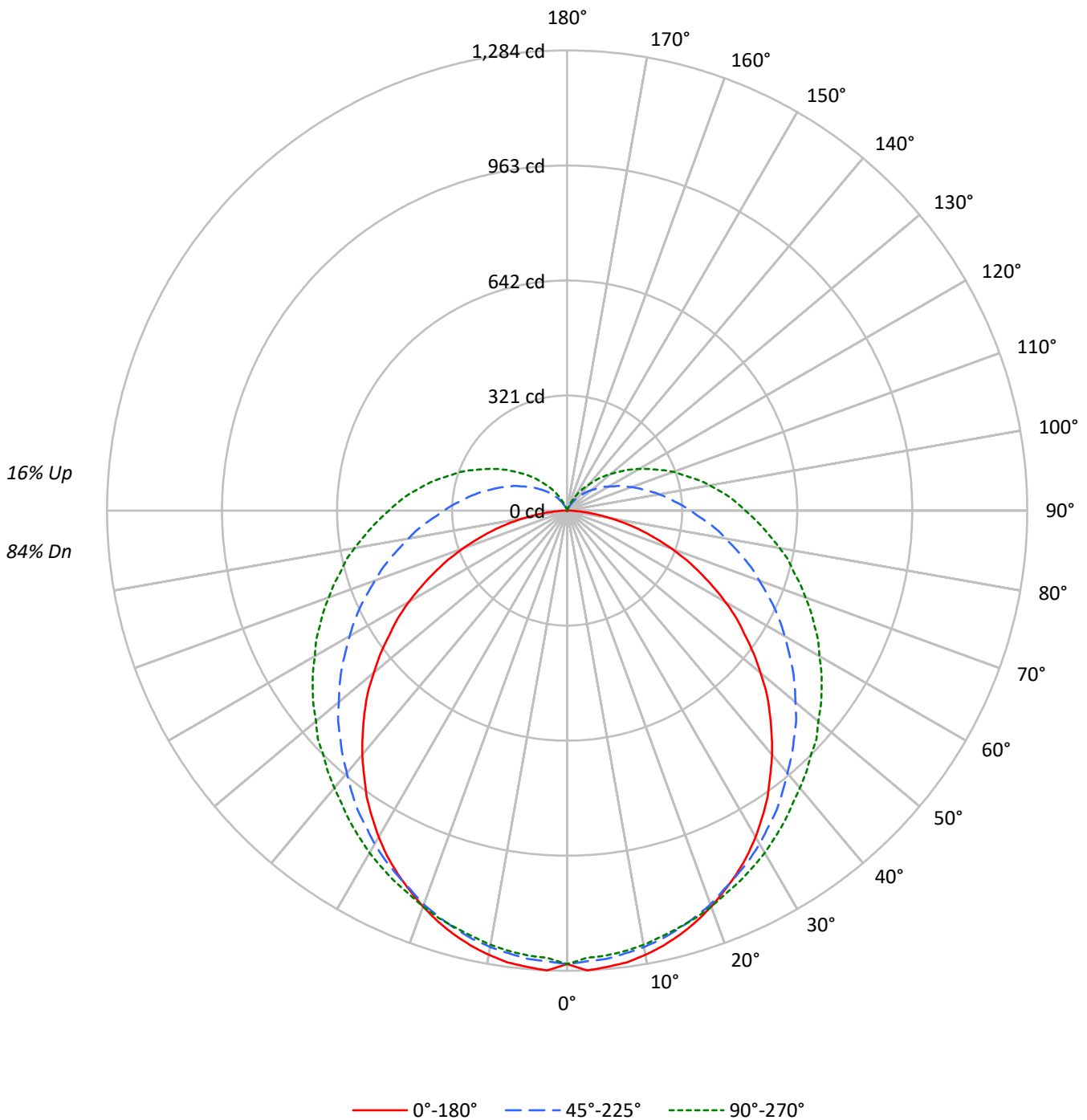
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	20387	20387	20387
5°	20597	19081	18534
10°	20446	17906	17112
15°	20190	16829	15850
20°	19864	15816	14785
25°	19508	14846	13834
30°	19108	14020	13007
35°	18638	13234	12242
40°	18071	12429	11555
45°	17498	11751	10967
50°	16819	11104	10462
55°	16053	10516	10030
60°	15325	9928	9587
65°	14274	9421	9236
70°	13064	8889	8895
75°	11500	8467	8595
80°	9086	8054	8378
85°	5983	7757	8154



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	2.3
10°-20°	342.6	6.4
20°-30°	520.8	9.8
30°-40°	637.4	12.0
40°-50°	688.1	12.9
50°-60°	675.6	12.7
60°-70°	608.5	11.5
70°-80°	503.8	9.5
80°-90°	387.5	7.3
90°-100°	292.1	5.5
100°-110°	214.9	4.0
110°-120°	148.3	2.8
120°-130°	94.0	1.8
130°-140°	52.0	1.0
140°-150°	22.5	0.4
150°-160°	5.6	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	983.3	18.5
0°-40°	1620.6	30.5
0°-60°	2984.4	56.2
0°-90°	4484.2	84.4
90°-120°	655.4	12.3
90°-150°	824.0	15.5
90°-180°	830.0	15.6
0°-180°	5314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1265	1265	1265	1265	1265	
5°	1278	1272	1256	1256	1246	121
15°	1224	1221	1208	1214	1205	345
25°	1119	1119	1122	1144	1141	515
35°	975	985	1020	1052	1058	609
45°	800	835	896	950	962	617
55°	606	672	768	844	867	543
65°	408	500	637	733	762	405
75°	214	341	510	618	653	226
85°	48	210	395	513	548	55
90°	0	162	344	462	497	3
95°	3	128	300	414	452	1
105°	0	80	223	325	357	0
115°	0	51	162	245	271	0
125°	0	32	112	175	194	0
135°	0	19	70	115	128	0
145°	0	6	35	64	70	0
155°	0	3	10	19	22	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°	1265.2	1265.2	1265.2	1265.2	1265.2
2.5°	1284.3	1274.8	1258.8	1258.8	1249.3
5°	1278.0	1271.6	1255.7	1255.7	1246.1
7.5°	1271.6	1265.2	1246.1	1249.3	1239.7
10°	1258.8	1252.5	1236.5	1239.7	1230.2
12.5°	1242.9	1236.5	1223.8	1227.0	1217.4
15°	1223.8	1220.6	1207.9	1214.2	1204.7
17.5°	1201.5	1198.3	1188.7	1198.3	1191.9
20°	1176.0	1176.0	1169.6	1182.4	1176.0
22.5°	1147.3	1147.3	1144.1	1163.2	1156.9
25°	1118.6	1118.6	1121.8	1144.1	1140.9
27.5°	1086.8	1089.9	1099.5	1125.0	1121.8
30°	1051.7	1058.1	1074.0	1102.7	1102.7
32.5°	1013.5	1019.8	1045.3	1080.4	1080.4
35°	975.2	984.8	1019.8	1051.7	1058.1
37.5°	930.6	946.5	988.0	1026.2	1032.6
40°	889.2	911.5	956.1	1000.7	1010.3
42.5°	844.5	873.2	927.4	978.4	988.0
45°	799.9	835.0	895.5	949.7	962.5
47.5°	755.3	793.6	866.9	924.2	943.3
50°	704.3	752.1	831.8	898.7	914.7
52.5°	656.5	710.7	799.9	870.0	892.3
55°	605.5	672.4	768.1	844.5	866.9
57.5°	560.9	627.8	733.0	819.0	841.4
60°	509.9	583.2	701.1	787.2	812.7
62.5°	458.9	545.0	669.3	761.7	790.4
65°	407.9	500.4	637.4	733.0	761.7
67.5°	360.1	458.9	602.3	704.3	736.2
70°	309.1	417.5	570.5	675.6	707.5
72.5°	261.3	379.2	541.8	647.0	682.0
75°	213.5	341.0	509.9	618.3	653.3
77.5°	168.9	305.9	478.0	592.8	631.0
80°	121.1	270.9	449.4	564.1	602.3
82.5°	82.9	239.0	423.9	538.6	573.7
85°	47.8	210.3	395.2	513.1	548.2
87.5°	19.1	184.8	366.5	484.4	522.7
90°	0.0	162.5	344.2	462.1	497.2
92.5°	0.0	143.4	321.9	436.6	474.9
95°	3.2	127.5	299.6	414.3	452.5
97.5°	0.0	111.5	280.5	392.0	427.1
100°	0.0	102.0	261.3	369.7	404.7
102.5°	0.0	89.2	242.2	347.4	382.4
105°	0.0	79.7	223.1	325.1	356.9
107.5°	0.0	73.3	207.2	305.9	334.6
110°	0.0	63.7	191.2	286.8	315.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	57.4	175.3	264.5	293.2
115°	0.0	51.0	162.5	245.4	270.9
117.5°	0.0	47.8	146.6	226.3	251.8
120°	0.0	41.4	133.9	210.3	232.6
122.5°	0.0	38.2	124.3	191.2	213.5
125°	0.0	31.9	111.5	175.3	194.4
127.5°	0.0	28.7	98.8	159.3	175.3
130°	0.0	25.5	89.2	143.4	159.3
132.5°	0.0	22.3	79.7	127.5	143.4
135°	0.0	19.1	70.1	114.7	127.5
137.5°	0.0	15.9	60.6	98.8	111.5
140°	0.0	12.7	51.0	86.0	95.6
142.5°	0.0	9.6	44.6	73.3	82.9
145°	0.0	6.4	35.1	63.7	70.1
147.5°	0.0	6.4	28.7	51.0	57.4
150°	0.0	3.2	19.1	41.4	44.6
152.5°	0.0	3.2	15.9	31.9	31.9
155°	0.0	3.2	9.6	19.1	22.3
157.5°	0.0	0.0	6.4	12.7	12.7
160°	0.0	0.0	3.2	6.4	9.6
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)