

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: P218348

Luminaire Tested: **4SNLED-LD5-54HL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218348
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-LD5-54HL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5051.0 lumens
Efficiency: N/A
Efficacy: 117.5 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

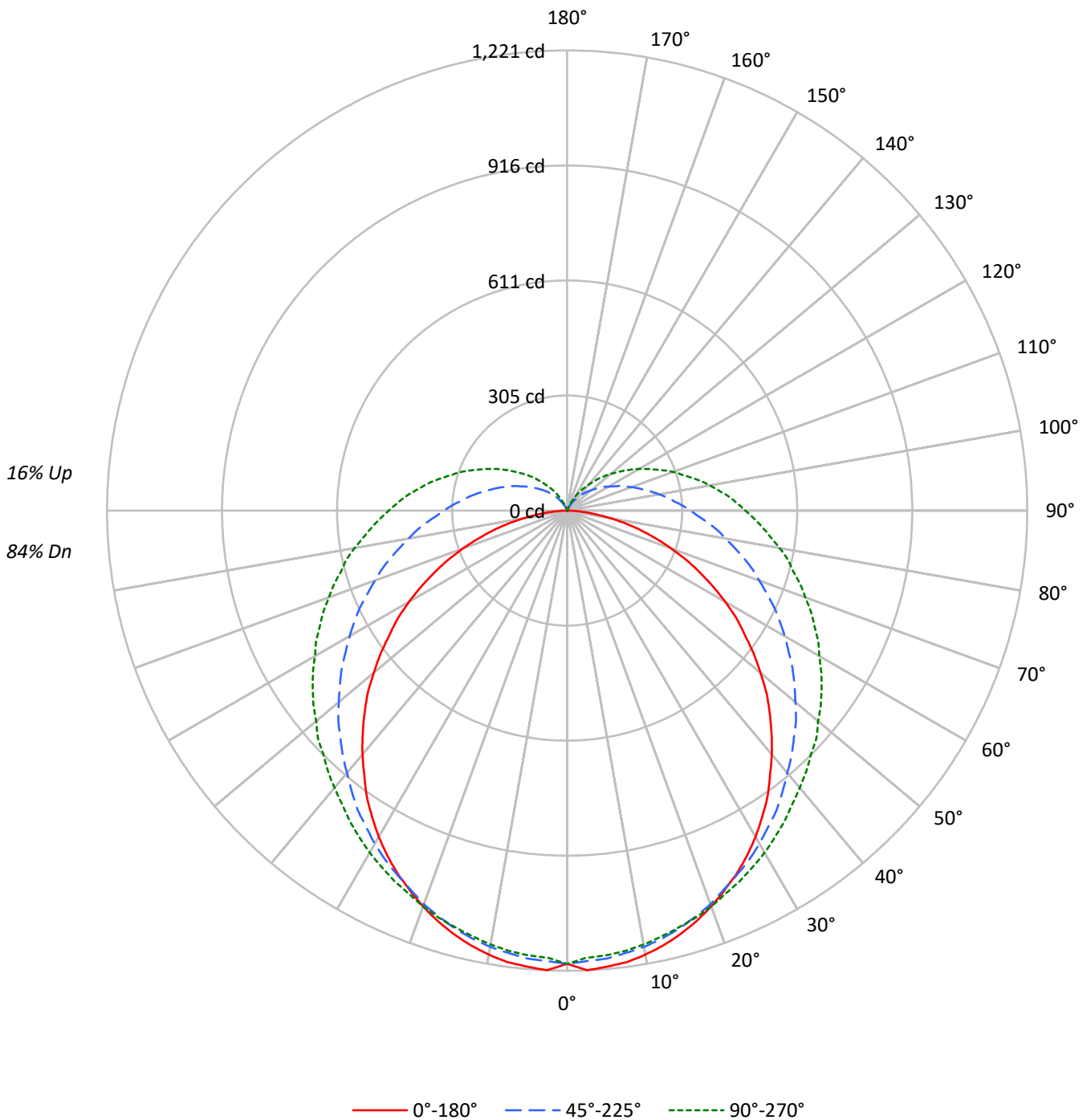
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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°	19378	19378	19378
5°	19577	18136	17617
10°	19434	17020	16264
15°	19190	15996	15064
20°	18881	15033	14053
25°	18544	14111	13150
30°	18161	13327	12363
35°	17715	12580	11636
40°	17177	11814	10984
45°	16631	11169	10423
50°	15988	10554	9944
55°	15261	9994	9534
60°	14567	9436	9112
65°	13568	8954	8779
70°	12417	8448	8455
75°	10935	8049	8170
80°	8636	7655	7963
85°	5682	7372	7749



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	2.3
10°-20°	325.7	6.4
20°-30°	495.0	9.8
30°-40°	605.8	12.0
40°-50°	654.1	12.9
50°-60°	642.2	12.7
60°-70°	578.3	11.4
70°-80°	478.9	9.5
80°-90°	368.3	7.3
90°-100°	277.7	5.5
100°-110°	204.3	4.0
110°-120°	141.0	2.8
120°-130°	89.4	1.8
130°-140°	49.5	1.0
140°-150°	21.4	0.4
150°-160°	5.3	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	934.6	18.5
0°-40°	1540.4	30.5
0°-60°	2836.7	56.2
0°-90°	4262.3	84.4
90°-120°	622.9	12.3
90°-150°	783.2	15.5
90°-180°	789.0	15.6
0°-180°	5051.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1203	1203	1203	1203	1203	
5°	1215	1209	1194	1194	1184	115
15°	1163	1160	1148	1154	1145	328
25°	1063	1063	1066	1088	1084	490
35°	927	936	969	1000	1006	579
45°	760	794	851	903	915	586
55°	576	639	730	803	824	516
65°	388	476	606	697	724	385
75°	203	324	485	588	621	215
85°	45	200	376	488	521	52
90°	0	154	327	439	473	2
95°	3	121	285	394	430	1
105°	0	76	212	309	339	0
115°	0	48	154	233	258	0
125°	0	30	106	167	185	0
135°	0	18	67	109	121	0
145°	0	6	33	61	67	0
155°	0	3	9	18	21	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°	1202.6	1202.6	1202.6	1202.6	1202.6
2.5°	1220.8	1211.7	1196.5	1196.5	1187.5
5°	1214.7	1208.7	1193.5	1193.5	1184.4
7.5°	1208.7	1202.6	1184.4	1187.5	1178.4
10°	1196.5	1190.5	1175.3	1178.4	1169.3
12.5°	1181.4	1175.3	1163.2	1166.3	1157.2
15°	1163.2	1160.2	1148.1	1154.1	1145.0
17.5°	1142.0	1139.0	1129.9	1139.0	1132.9
20°	1117.8	1117.8	1111.7	1123.8	1117.8
22.5°	1090.5	1090.5	1087.5	1105.7	1099.6
25°	1063.3	1063.3	1066.3	1087.5	1084.5
27.5°	1033.0	1036.0	1045.1	1069.3	1066.3
30°	999.6	1005.7	1020.9	1048.1	1048.1
32.5°	963.3	969.4	993.6	1026.9	1026.9
35°	926.9	936.0	969.4	999.6	1005.7
37.5°	884.5	899.7	939.1	975.4	981.5
40°	845.2	866.4	908.8	951.2	960.3
42.5°	802.7	830.0	881.5	930.0	939.1
45°	760.3	793.7	851.2	902.7	914.8
47.5°	717.9	754.3	824.0	878.5	896.7
50°	669.5	714.9	790.6	854.2	869.4
52.5°	624.0	675.5	760.3	827.0	848.2
55°	575.6	639.2	730.0	802.7	824.0
57.5°	533.1	596.8	696.7	778.5	799.7
60°	484.7	554.3	666.4	748.2	772.5
62.5°	436.2	518.0	636.1	724.0	751.2
65°	387.7	475.6	605.8	696.7	724.0
67.5°	342.3	436.2	572.5	669.5	699.8
70°	293.8	396.8	542.2	642.2	672.5
72.5°	248.4	360.5	515.0	614.9	648.3
75°	203.0	324.1	484.7	587.7	621.0
77.5°	160.5	290.8	454.4	563.4	599.8
80°	115.1	257.5	427.1	536.2	572.5
82.5°	78.8	227.2	402.9	511.9	545.3
85°	45.4	199.9	375.6	487.7	521.0
87.5°	18.2	175.7	348.4	460.4	496.8
90°	0.0	154.5	327.2	439.2	472.6
92.5°	0.0	136.3	306.0	415.0	451.4
95°	3.0	121.2	284.7	393.8	430.2
97.5°	0.0	106.0	266.6	372.6	405.9
100°	0.0	96.9	248.4	351.4	384.7
102.5°	0.0	84.8	230.2	330.2	363.5
105°	0.0	75.7	212.0	309.0	339.3
107.5°	0.0	69.7	196.9	290.8	318.1
110°	0.0	60.6	181.8	272.6	299.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	54.5	166.6	251.4	278.7
115°	0.0	48.5	154.5	233.3	257.5
117.5°	0.0	45.4	139.3	215.1	239.3
120°	0.0	39.4	127.2	199.9	221.1
122.5°	0.0	36.4	118.1	181.8	203.0
125°	0.0	30.3	106.0	166.6	184.8
127.5°	0.0	27.3	93.9	151.5	166.6
130°	0.0	24.2	84.8	136.3	151.5
132.5°	0.0	21.2	75.7	121.2	136.3
135°	0.0	18.2	66.6	109.1	121.2
137.5°	0.0	15.1	57.6	93.9	106.0
140°	0.0	12.1	48.5	81.8	90.9
142.5°	0.0	9.1	42.4	69.7	78.8
145°	0.0	6.1	33.3	60.6	66.6
147.5°	0.0	6.1	27.3	48.5	54.5
150°	0.0	3.0	18.2	39.4	42.4
152.5°	0.0	3.0	15.1	30.3	30.3
155°	0.0	3.0	9.1	18.2	21.2
157.5°	0.0	0.0	6.1	12.1	12.1
160°	0.0	0.0	3.0	6.1	9.1
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)