

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: P218220

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-54HL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5407.0 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

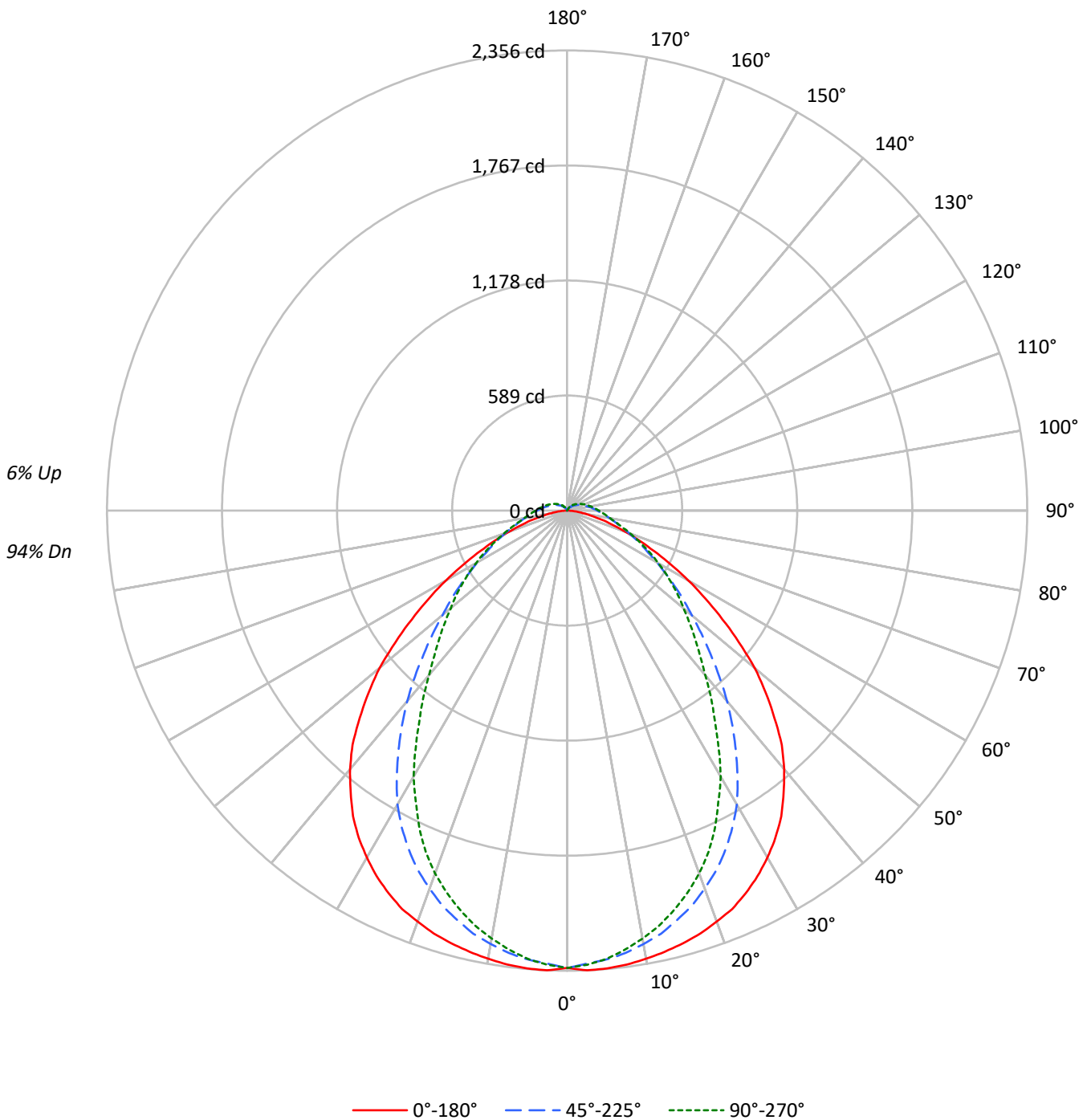
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94				
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80				
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68				
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59				
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51				
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45				
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40				
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36				
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32				
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29				
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37732	37732	37732
5°	37922	35064	34278
10°	37849	32631	30946
15°	37832	30243	27848
20°	37821	27851	24855
25°	37709	25372	21726
30°	37265	22685	18549
35°	36533	19557	15261
40°	35142	16554	12577
45°	32841	13606	10549
50°	29931	11104	8895
55°	25754	9164	7581
60°	21576	7504	6351
65°	17148	6231	5250
70°	13364	5237	4334
75°	10127	4447	3598
80°	7053	3932	3091
85°	4280	3578	2796



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.1	4.1
10°-20°	617.8	11.4
20°-30°	894.7	16.5
30°-40°	973.8	18.0
40°-50°	864.8	16.0
50°-60°	658.3	12.2
60°-70°	437.1	8.1
70°-80°	266.3	4.9
80°-90°	165.0	3.1
90°-100°	112.7	2.1
100°-110°	79.1	1.5
110°-120°	53.9	1.0
120°-130°	34.2	0.6
130°-140°	19.4	0.4
140°-150°	9.1	0.2
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1732.7	32.0
0°-40°	2706.4	50.1
0°-60°	4229.5	78.2
0°-90°	5097.9	94.3
90°-120°	245.7	4.5
90°-150°	308.4	5.7
90°-180°	309.0	5.7
0°-180°	5407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2342	2342	2342	2342	2342	
5°	2353	2339	2308	2319	2305	224
15°	2293	2253	2171	2145	2117	648
25°	2162	2065	1917	1840	1792	996
35°	1912	1741	1507	1376	1319	1191
45°	1501	1276	1037	949	926	1156
55°	971	789	669	658	655	871
65°	490	422	422	439	433	494
75°	188	214	268	282	274	203
85°	34	108	182	194	188	41
90°	0	80	154	168	162	2
95°	0	63	131	145	142	0
105°	0	40	94	108	108	0
115°	0	26	68	83	80	0
125°	0	17	46	57	57	0
135°	0	11	31	40	40	0
145°	0	6	17	23	23	0
155°	0	0	0	0	0	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°	2341.6	2341.6	2341.6	2341.6	2341.6
2.5°	2355.9	2344.5	2321.7	2335.9	2327.4
5°	2353.0	2338.8	2307.5	2318.9	2304.6
7.5°	2344.5	2327.4	2284.7	2290.4	2267.6
10°	2330.2	2307.5	2253.3	2247.6	2224.8
12.5°	2313.2	2284.7	2219.1	2199.2	2176.4
15°	2293.2	2253.3	2170.7	2145.1	2116.6
17.5°	2270.4	2216.3	2122.3	2082.4	2051.1
20°	2239.1	2173.6	2059.6	2011.2	1977.0
22.5°	2207.8	2122.3	1994.1	1928.6	1891.5
25°	2162.2	2065.3	1917.2	1840.3	1791.8
27.5°	2110.9	1999.8	1831.7	1732.0	1677.9
30°	2051.1	1922.9	1737.7	1620.9	1572.5
32.5°	1985.6	1837.4	1623.8	1498.4	1444.3
35°	1911.5	1740.6	1507.0	1375.9	1319.0
37.5°	1820.3	1635.2	1390.2	1256.3	1210.7
40°	1729.2	1524.1	1273.4	1148.0	1099.6
42.5°	1626.6	1401.6	1153.7	1039.8	1005.6
45°	1501.3	1276.2	1036.9	948.6	925.8
47.5°	1378.8	1148.0	931.5	868.9	848.9
50°	1253.4	1022.7	831.8	791.9	777.7
52.5°	1108.1	900.2	749.2	723.6	717.9
55°	971.4	789.1	669.4	658.1	655.2
57.5°	840.4	683.7	595.4	603.9	598.2
60°	717.9	586.8	529.9	541.3	538.4
62.5°	598.2	498.5	470.0	492.8	487.1
65°	490.0	421.6	421.6	438.7	433.0
67.5°	396.0	358.9	376.0	393.1	387.4
70°	316.2	302.0	336.1	350.4	344.7
72.5°	245.0	253.5	296.3	313.4	304.8
75°	188.0	213.7	267.8	282.0	273.5
77.5°	133.9	179.5	242.1	253.5	245.0
80°	94.0	151.0	219.4	230.7	222.2
82.5°	59.8	128.2	199.4	210.8	205.1
85°	34.2	108.3	182.3	193.7	188.0
87.5°	17.1	94.0	165.2	179.5	173.8
90°	0.0	79.8	153.8	168.1	162.4
92.5°	0.0	71.2	142.4	156.7	151.0
95°	0.0	62.7	131.0	145.3	142.4
97.5°	0.0	57.0	122.5	136.7	131.0
100°	0.0	48.4	111.1	125.3	122.5
102.5°	0.0	45.6	102.6	116.8	113.9
105°	0.0	39.9	94.0	108.3	108.3
107.5°	0.0	37.0	88.3	102.6	99.7
110°	0.0	31.3	79.8	94.0	94.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.5	74.1	88.3	85.5
115°	0.0	25.6	68.4	82.6	79.8
117.5°	0.0	25.6	62.7	74.1	74.1
120°	0.0	22.8	57.0	68.4	68.4
122.5°	0.0	19.9	51.3	62.7	62.7
125°	0.0	17.1	45.6	57.0	57.0
127.5°	0.0	17.1	42.7	54.1	54.1
130°	0.0	14.2	37.0	48.4	48.4
132.5°	0.0	11.4	34.2	42.7	42.7
135°	0.0	11.4	31.3	39.9	39.9
137.5°	0.0	8.5	25.6	34.2	34.2
140°	0.0	8.5	22.8	31.3	31.3
142.5°	0.0	5.7	19.9	28.5	25.6
145°	0.0	5.7	17.1	22.8	22.8
147.5°	0.0	2.8	14.2	19.9	19.9
150°	0.0	2.8	11.4	17.1	14.2
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
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)