

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: P218100

Luminaire Tested: **4SNLED-LD5-55HL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-55HL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5568.9 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

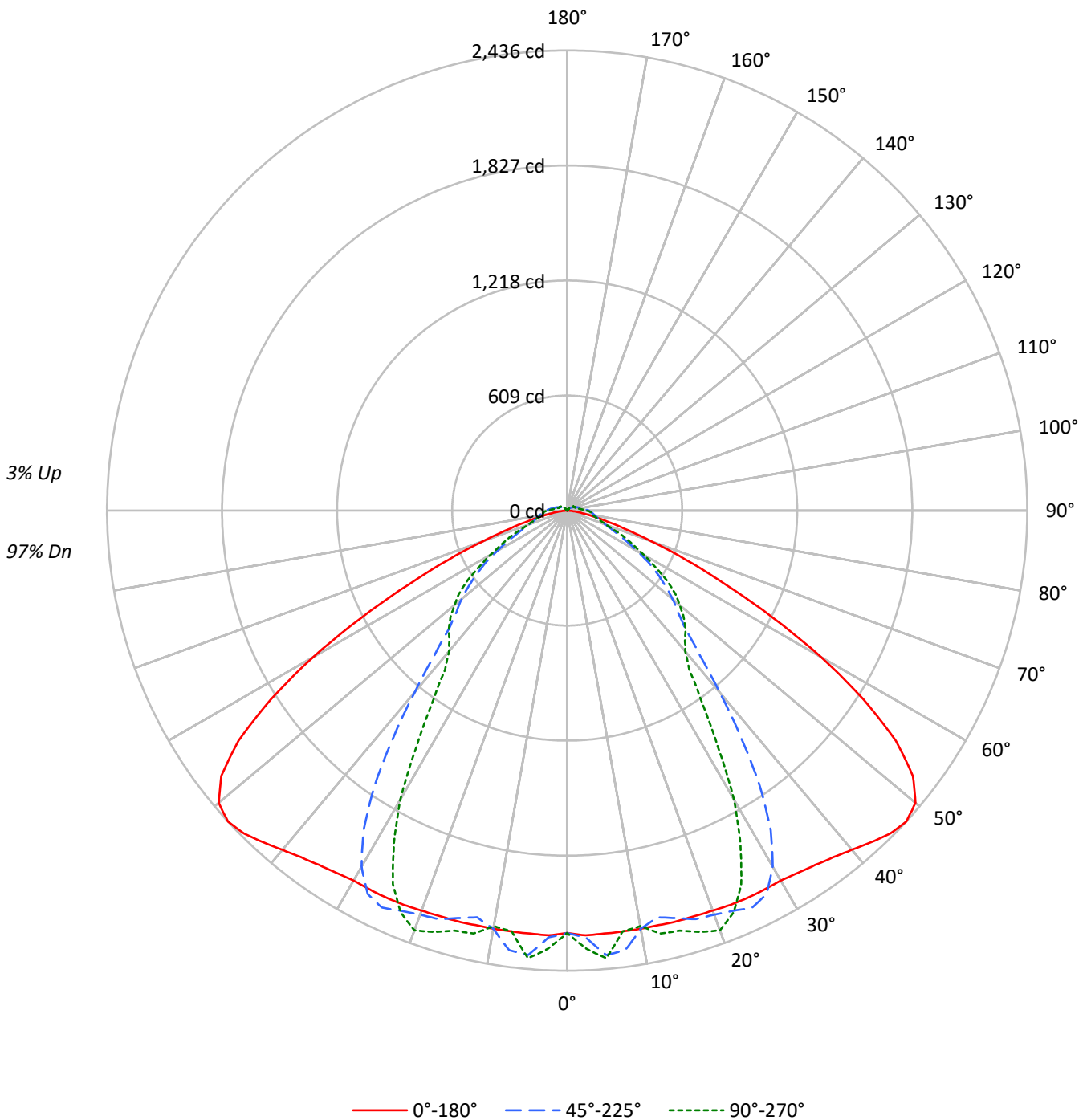
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	48
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	43
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	38
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	34
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36035	36035	36035
5°	36225	35887	35381
10°	36509	32550	31066
15°	37128	31116	30284
20°	38062	30778	29726
25°	39447	30688	26459
30°	41095	28412	20834
35°	43775	23069	14436
40°	47647	16294	11110
45°	52907	11588	10095
50°	57484	9736	8895
55°	56344	7995	7416
60°	46746	6051	5544
65°	32300	4379	4077
70°	20105	3330	2793
75°	11355	2838	2212
80°	6415	2654	1901
85°	2854	2571	1907



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.8	3.9
10°-20°	647.4	11.6
20°-30°	1028.7	18.5
30°-40°	1109.2	19.9
40°-50°	956.0	17.2
50°-60°	723.8	13.0
60°-70°	391.0	7.0
70°-80°	185.7	3.3
80°-90°	116.6	2.1
90°-100°	74.2	1.3
100°-110°	47.5	0.9
110°-120°	31.8	0.6
120°-130°	21.0	0.4
130°-140°	10.3	0.2
140°-150°	4.3	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1895.9	34.0
0°-40°	3005.1	54.0
0°-60°	4684.9	84.1
0°-90°	5378.2	96.6
90°-120°	153.5	2.8
90°-150°	189.0	3.4
90°-180°	191.0	3.4
0°-180°	5568.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2236	2236	2236	2236	2236	
5°	2248	2296	2362	2393	2379	215
15°	2250	2310	2233	2310	2302	638
25°	2262	2219	2319	2256	2182	1046
35°	2290	2205	1778	1359	1248	1443
45°	2419	1516	883	875	886	1862
55°	2125	655	584	638	641	1848
65°	923	279	296	333	336	948
75°	211	145	171	171	168	248
85°	23	88	131	131	128	33
90°	0	68	114	111	103	1
95°	0	54	91	83	77	0
105°	0	34	63	57	51	0
115°	0	20	43	43	43	0
125°	0	11	28	37	34	0
135°	0	6	17	20	20	0
145°	0	3	8	11	8	0
155°	0	3	3	6	3	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°	2236.3	2236.3	2236.3	2236.3	2236.3
2.5°	2250.5	2253.4	2261.9	2304.6	2321.7
5°	2247.7	2296.1	2361.6	2392.9	2378.7
7.5°	2247.7	2347.4	2347.4	2287.5	2247.7
10°	2247.7	2375.9	2247.7	2236.3	2233.4
12.5°	2247.7	2358.8	2204.9	2284.7	2293.2
15°	2250.5	2310.3	2233.4	2310.3	2301.8
17.5°	2250.5	2253.4	2267.6	2327.4	2338.8
20°	2253.4	2216.3	2276.1	2373.0	2364.5
22.5°	2259.1	2210.6	2293.2	2353.1	2301.8
25°	2261.9	2219.2	2318.9	2256.2	2182.1
27.5°	2261.9	2230.6	2287.5	2108.1	1985.6
30°	2261.9	2236.3	2176.4	1903.0	1766.2
32.5°	2273.3	2230.6	2005.5	1635.2	1487.0
35°	2290.4	2204.9	1777.6	1358.9	1247.7
37.5°	2313.2	2136.6	1509.8	1136.6	1062.6
40°	2344.5	1988.4	1253.4	994.2	971.4
42.5°	2381.5	1771.9	1042.6	923.0	923.0
45°	2418.6	1515.5	883.1	874.6	886.0
47.5°	2435.7	1264.8	794.8	826.1	837.5
50°	2407.2	1031.2	729.3	772.0	777.7
52.5°	2307.5	823.3	655.2	706.5	720.7
55°	2125.2	655.2	584.0	638.1	641.0
57.5°	1860.2	521.3	509.9	552.7	549.8
60°	1555.4	421.6	427.3	470.0	470.0
62.5°	1227.8	341.8	358.9	396.0	393.1
65°	923.0	279.2	296.3	333.3	336.2
67.5°	680.8	230.7	250.7	276.3	270.6
70°	475.7	193.7	213.7	227.9	222.2
72.5°	316.2	165.2	188.0	193.7	190.9
75°	210.8	145.3	170.9	170.9	168.1
77.5°	136.7	128.2	159.5	156.7	151.0
80°	85.5	113.9	148.1	142.4	136.7
82.5°	51.3	99.7	139.6	133.9	128.2
85°	22.8	88.3	131.0	131.0	128.2
87.5°	8.5	79.8	122.5	125.3	119.6
90°	0.0	68.4	113.9	111.1	102.6
92.5°	0.0	62.7	102.6	94.0	88.3
95°	0.0	54.1	91.2	82.6	76.9
97.5°	0.0	48.4	82.6	74.1	68.4
100°	0.0	42.7	74.1	65.5	59.8
102.5°	0.0	37.0	68.4	59.8	57.0
105°	0.0	34.2	62.7	57.0	51.3
107.5°	0.0	31.3	57.0	51.3	48.4
110°	0.0	25.6	51.3	48.4	45.6



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CANDELA DISTRIBUTION (continued):

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