

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: P#

Luminaire Tested: **4SNLED-LD5-52SL-SLC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-52SL-SLC-UNV-L835-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

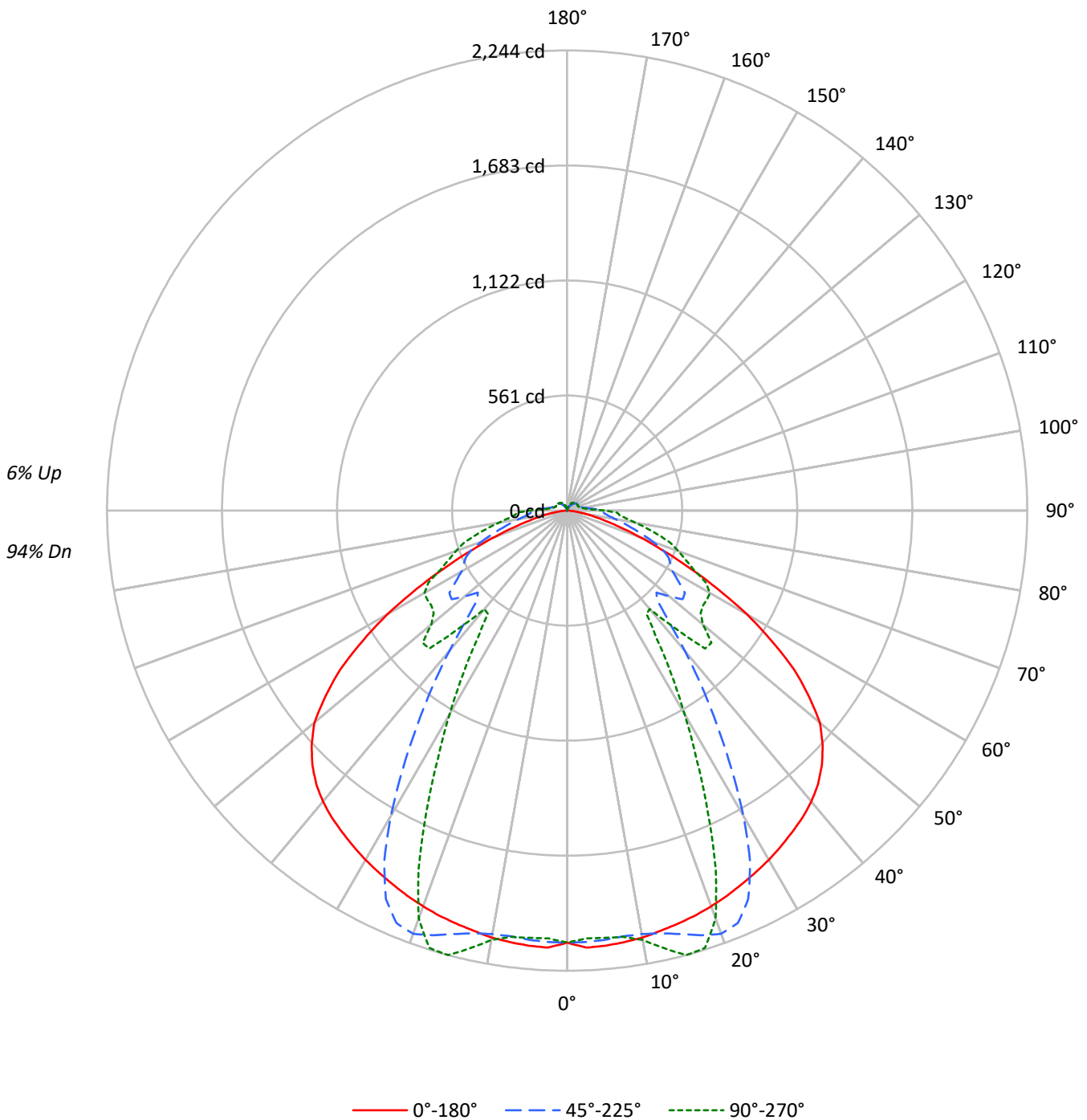
Lumens per Lamp: N/A  
Luminaire Lumens: 5412.0 lumens  
Efficiency: N/A  
Efficacy: 132.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 41  
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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	17025	17025	17025
5°	17233	16626	16423
10°	17254	16374	16365
15°	17302	16604	17057
20°	17462	17099	16011
25°	17680	16433	12329
30°	18028	13763	8769
35°	18476	10423	5938
40°	19040	7577	5028
45°	19472	5497	7905
50°	19499	6087	7501
55°	18226	7004	7408
60°	15528	6410	7874
65°	11682	6464	7203
70°	8199	5884	6704
75°	5371	4931	6016
80°	3427	4224	5008
85°	1845	4015	4495



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.4	3.7
10°-20°	605.3	11.2
20°-30°	879.3	16.2
30°-40°	840.1	15.5
40°-50°	768.5	14.2
50°-60°	709.6	13.1
60°-70°	563.6	10.4
70°-80°	347.9	6.4
80°-90°	189.4	3.5
90°-100°	95.8	1.8
100°-110°	60.2	1.1
110°-120°	51.0	0.9
120°-130°	41.6	0.8
130°-140°	29.9	0.6
140°-150°	18.4	0.3
150°-160°	8.7	0.2
160°-170°	2.3	0.0
170°-180°	0.0	0.0
0°-30°	1685.1	31.1
0°-40°	2525.2	46.7
0°-60°	4003.3	74.0
0°-90°	5104.2	94.3
90°-120°	206.9	3.8
90°-150°	296.8	5.5
90°-180°	308.0	5.7
0°-180°	5412.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2107	2107	2107	2107	2107	
5°	2130	2098	2101	2090	2091	203
15°	2085	2057	2138	2217	2244	590
25°	2012	2051	2090	1769	1625	930
35°	1914	1883	1269	874	760	1200
45°	1757	1226	619	790	951	1350
55°	1351	629	701	754	808	1190
65°	652	408	546	664	680	659
75°	192	217	327	434	463	218
85°	27	92	186	253	256	34
90°	1	69	166	197	182	1
95°	0	64	115	102	96	0
105°	0	58	71	64	63	0
115°	0	48	68	61	58	0
125°	1	38	61	59	56	1
135°	1	27	48	53	51	1
145°	1	17	34	43	46	1
155°	2	10	20	27	33	1
165°	2	6	10	13	18	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°	2106.8	2106.8	2106.8	2106.8	2106.8
2.5°	2133.0	2102.2	2105.9	2099.4	2088.2
5°	2130.2	2097.5	2101.2	2090.1	2091.0
7.5°	2122.7	2089.1	2093.8	2091.9	2096.6
10°	2114.3	2078.9	2096.6	2112.4	2126.4
12.5°	2099.4	2067.7	2110.6	2157.2	2186.1
15°	2085.4	2057.4	2137.6	2216.9	2243.9
17.5°	2071.4	2053.7	2171.2	2240.2	2236.5
20°	2053.7	2051.8	2196.4	2173.1	2116.2
22.5°	2034.1	2052.7	2176.8	2006.1	1894.2
25°	2011.7	2050.9	2090.1	1769.2	1624.7
27.5°	1989.3	2042.5	1932.4	1509.9	1367.3
30°	1966.9	2020.1	1719.8	1273.1	1143.4
32.5°	1940.8	1971.6	1488.5	1063.2	943.8
35°	1913.8	1883.0	1269.3	873.9	760.1
37.5°	1885.8	1755.2	1072.5	707.9	635.1
40°	1852.2	1594.8	891.6	607.2	626.7
42.5°	1810.3	1413.9	732.1	637.0	773.2
45°	1757.1	1225.5	619.3	789.9	951.3
47.5°	1689.9	1044.6	591.3	904.7	955.0
50°	1608.8	878.5	650.1	867.4	863.6
52.5°	1485.7	740.5	709.7	790.9	820.7
55°	1351.4	628.6	701.3	754.5	807.7
57.5°	1181.7	553.1	643.5	747.0	808.6
60°	1012.8	502.7	594.1	746.1	803.9
62.5°	826.3	457.0	568.9	728.4	762.9
65°	651.9	407.6	546.5	664.0	679.9
67.5°	499.9	357.2	507.4	592.2	623.9
70°	376.8	307.8	445.8	537.2	576.4
72.5°	271.4	261.1	382.4	488.7	529.7
75°	192.1	217.3	327.4	433.7	462.6
77.5°	132.4	177.2	280.7	373.1	396.4
80°	86.7	141.8	238.8	320.8	336.7
82.5°	52.2	113.8	207.0	280.7	289.1
85°	27.0	92.3	185.6	252.7	256.5
87.5°	8.4	77.4	173.5	239.7	244.4
90°	0.9	69.0	166.0	196.8	181.9
92.5°	0.0	65.3	143.6	134.3	120.3
95°	0.0	64.4	114.7	101.7	96.1
97.5°	0.0	62.5	94.2	84.9	82.1
100°	0.0	60.6	81.1	74.6	73.7
102.5°	0.0	59.7	73.7	68.1	67.2
105°	0.0	57.8	70.9	64.4	63.4
107.5°	0.0	55.0	69.0	62.5	60.6
110°	0.0	52.2	69.0	61.6	58.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	49.4	69.0	60.6	57.8
115°	0.0	47.6	68.1	60.6	57.8
117.5°	0.9	45.7	67.2	60.6	57.8
120°	0.0	43.8	65.3	60.6	56.9
122.5°	0.9	41.0	63.4	59.7	56.9
125°	0.9	38.2	60.6	58.8	56.0
127.5°	0.9	35.4	57.8	56.9	54.1
130°	0.9	32.6	55.0	56.0	53.2
132.5°	0.9	29.8	51.3	54.1	52.2
135°	0.9	27.0	48.5	53.2	51.3
137.5°	0.9	24.2	44.8	50.4	50.4
140°	0.9	21.5	41.0	48.5	49.4
142.5°	0.9	19.6	37.3	46.6	47.6
145°	0.9	16.8	33.6	42.9	45.7
147.5°	0.9	14.9	29.8	39.2	42.9
150°	0.9	13.1	26.1	35.4	39.2
152.5°	0.9	11.2	23.3	30.8	36.4
155°	1.9	10.3	20.5	27.0	32.6
157.5°	1.9	8.4	16.8	23.3	28.0
160°	1.9	7.5	14.9	19.6	25.2
162.5°	1.9	6.5	12.1	16.8	21.5
165°	1.9	5.6	10.3	13.1	17.7
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)