

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-LD5-64SL-SLN-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 (P27402)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-64SL-SLN-UNV-L835-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

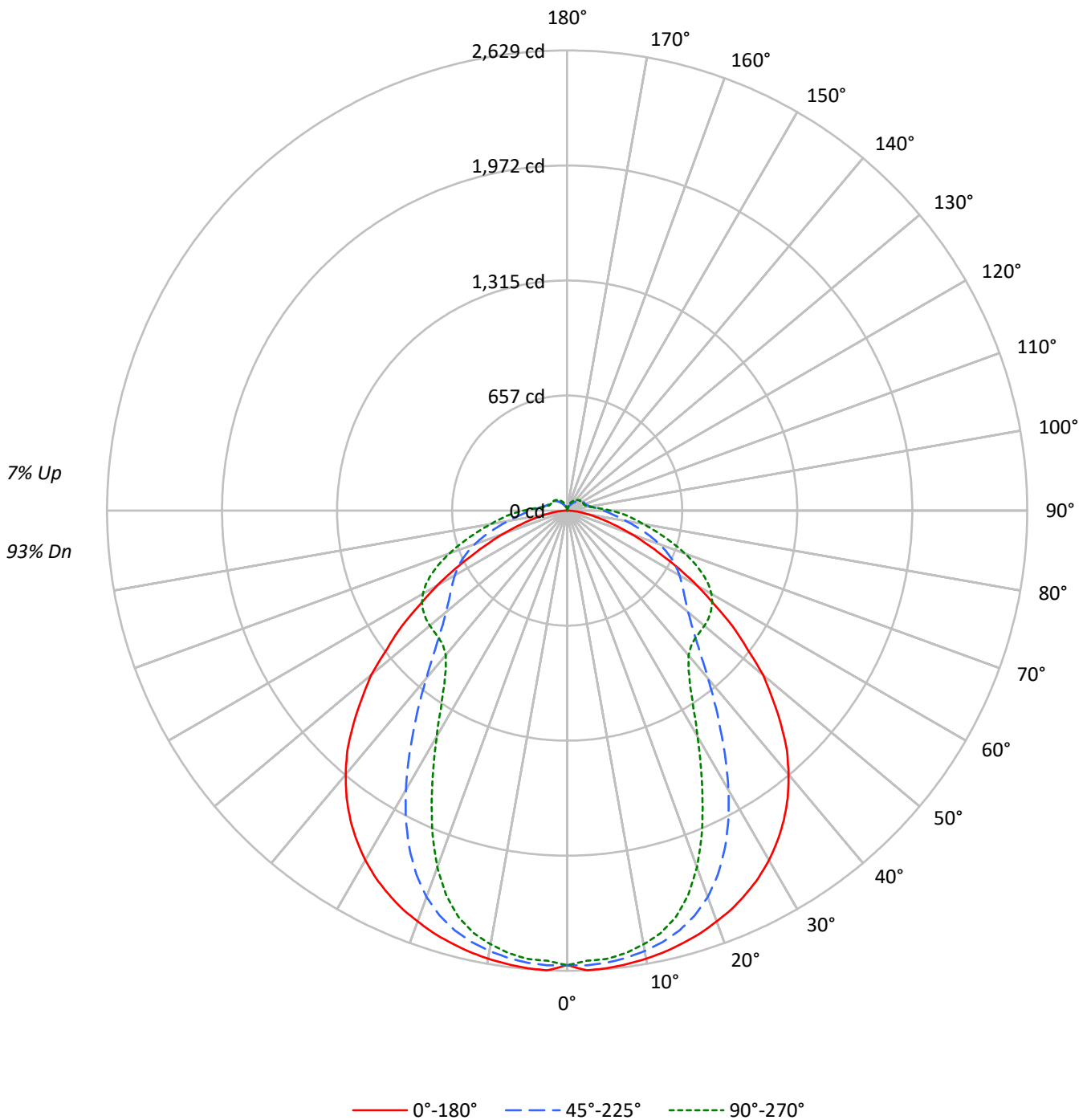
Lumens per Lamp: N/A  
Luminaire Lumens: 6530.0 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 55  
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

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

	0°	45°	90°
0°	20983	20983	20983
5°	21225	20520	20199
10°	21218	19952	19368
15°	21224	19284	18263
20°	21234	18291	16401
25°	21243	16760	13889
30°	21142	14747	11424
35°	20840	12547	9573
40°	20230	10626	8654
45°	19159	9235	8589
50°	17698	8442	8890
55°	15584	8115	9201
60°	13149	7999	9328
65°	10577	7822	9037
70°	8495	7418	8335
75°	6406	6713	7396
80°	4728	6029	6580
85°	3163	5687	6052



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.7	3.8
10°-20°	694.4	10.6
20°-30°	970.6	14.9
30°-40°	1006.8	15.4
40°-50°	930.1	14.2
50°-60°	830.4	12.7
60°-70°	673.0	10.3
70°-80°	447.6	6.9
80°-90°	256.3	3.9
90°-100°	141.8	2.2
100°-110°	96.0	1.5
110°-120°	80.0	1.2
120°-130°	65.0	1.0
130°-140°	46.9	0.7
140°-150°	28.3	0.4
150°-160°	13.6	0.2
160°-170°	3.5	0.1
170°-180°	0.0	0.0
0°-30°	1910.7	29.3
0°-40°	2917.5	44.7
0°-60°	4678.0	71.6
0°-90°	6054.9	92.7
90°-120°	317.8	4.9
90°-150°	458.0	7.0
90°-180°	475.0	7.3
0°-180°	6530.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2597	2597	2597	2597	2597	
5°	2624	2580	2593	2575	2572	250
15°	2558	2504	2483	2426	2402	723
25°	2417	2310	2132	1908	1830	1114
35°	2159	1922	1528	1283	1226	1347
45°	1729	1370	1040	1003	1034	1329
55°	1156	873	812	944	1003	1027
65°	590	528	661	810	853	597
75°	229	287	446	546	569	251
85°	46	133	263	336	345	53
90°	2	94	208	250	248	4
95°	2	79	165	176	170	2
105°	1	69	118	115	110	1
115°	1	62	105	104	100	1
125°	1	53	92	97	95	1
135°	2	40	73	86	86	2
145°	2	25	51	67	71	1
155°	2	16	32	42	51	1
165°	2	9	16	20	27	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°	2596.6	2596.6	2596.6	2596.6	2596.6
2.5°	2629.3	2586.4	2600.0	2588.7	2574.0
5°	2623.7	2579.7	2593.2	2575.1	2571.8
7.5°	2613.5	2569.5	2577.4	2556.0	2550.3
10°	2600.0	2553.7	2554.8	2524.4	2516.5
12.5°	2581.9	2531.1	2524.4	2482.6	2471.3
15°	2558.2	2504.1	2482.6	2426.2	2402.5
17.5°	2532.3	2469.1	2425.1	2338.2	2300.9
20°	2497.3	2426.2	2349.5	2217.4	2167.8
22.5°	2462.3	2374.3	2251.3	2075.2	2008.7
25°	2417.2	2310.0	2131.7	1908.2	1830.4
27.5°	2366.4	2234.4	1994.0	1736.7	1653.2
30°	2306.6	2142.9	1842.8	1568.6	1489.6
32.5°	2236.6	2040.3	1683.7	1417.3	1344.0
35°	2158.7	1921.8	1527.9	1283.1	1225.5
37.5°	2069.6	1792.0	1383.5	1174.7	1137.5
40°	1968.0	1650.9	1250.3	1091.2	1078.8
42.5°	1858.6	1513.3	1136.4	1037.1	1048.3
45°	1728.8	1370.0	1040.4	1003.2	1033.7
47.5°	1592.3	1230.0	962.6	984.0	1028.0
50°	1460.2	1100.2	901.6	971.6	1023.5
52.5°	1296.6	984.0	853.1	960.3	1016.7
55°	1155.5	873.4	812.5	944.5	1003.2
57.5°	993.0	774.1	776.4	924.2	982.9
60°	857.6	683.8	741.4	896.0	952.4
62.5°	720.0	602.6	703.0	858.8	909.5
65°	590.2	528.1	661.3	810.2	853.1
67.5°	481.9	460.4	613.9	751.6	787.7
70°	390.4	398.3	562.0	686.1	716.6
72.5°	300.2	340.8	505.6	616.1	642.1
75°	229.1	286.6	445.7	546.2	568.7
77.5°	169.3	239.2	391.6	483.0	502.2
80°	119.6	197.5	340.8	427.7	442.4
82.5°	80.1	162.5	299.0	378.0	391.6
85°	46.3	133.2	262.9	336.3	345.3
87.5°	19.2	110.6	233.6	293.4	297.9
90°	2.3	93.7	207.6	250.5	248.3
92.5°	2.3	84.6	185.1	209.9	204.3
95°	2.3	79.0	164.8	176.0	170.4
97.5°	2.3	75.6	146.7	151.2	145.6
100°	1.1	73.3	134.3	134.3	128.6
102.5°	1.1	71.1	125.3	121.9	117.4
105°	1.1	68.8	118.5	115.1	109.5
107.5°	1.1	67.7	114.0	110.6	104.9
110°	1.1	65.5	110.6	107.2	102.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	64.3	108.3	106.1	100.4
115°	1.1	62.1	104.9	103.8	100.4
117.5°	1.1	59.8	102.7	102.7	99.3
120°	1.1	57.6	99.3	101.6	98.2
122.5°	1.1	55.3	95.9	99.3	95.9
125°	1.1	53.0	92.5	97.0	94.8
127.5°	2.3	49.7	88.0	94.8	92.5
130°	1.1	46.3	83.5	92.5	91.4
132.5°	2.3	42.9	79.0	89.1	89.1
135°	2.3	39.5	73.3	85.8	85.8
137.5°	2.3	35.0	67.7	81.2	82.4
140°	2.3	31.6	62.1	76.7	79.0
142.5°	2.3	28.2	56.4	72.2	75.6
145°	2.3	24.8	50.8	66.6	71.1
147.5°	2.3	22.6	45.1	59.8	66.6
150°	2.3	19.2	40.6	54.2	60.9
152.5°	2.3	16.9	36.1	48.5	56.4
155°	2.3	15.8	31.6	41.8	50.8
157.5°	2.3	13.5	27.1	36.1	45.1
160°	2.3	11.3	22.6	31.6	38.4
162.5°	2.3	10.2	19.2	26.0	33.9
165°	2.3	9.0	15.8	20.3	27.1
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)