

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-L950-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-L950-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

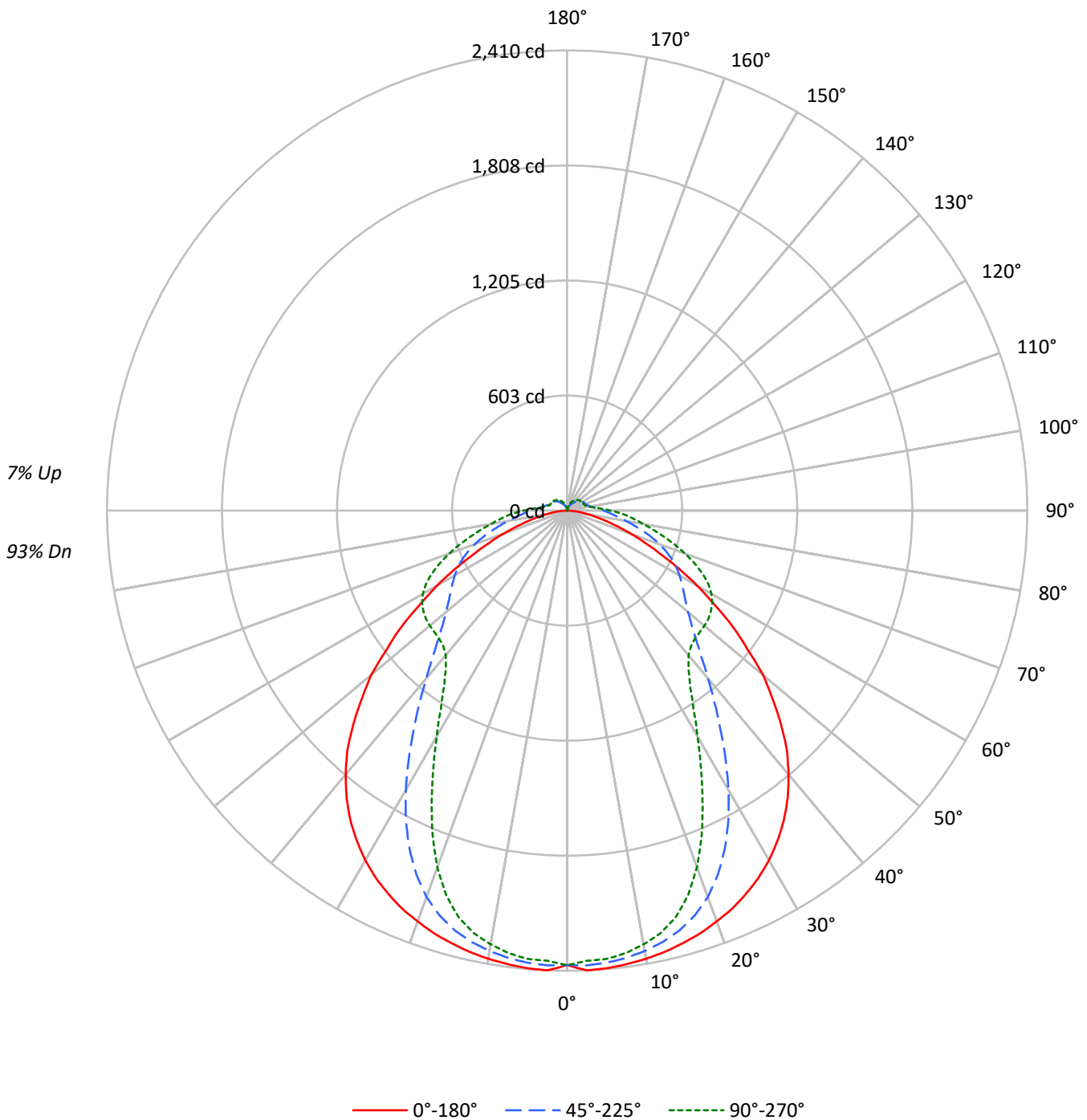
Lumens per Lamp: N/A  
Luminaire Lumens: 5986.0 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

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°	19235	19235	19235
5°	19457	18810	18516
10°	19450	18290	17754
15°	19456	17678	16741
20°	19465	16766	15035
25°	19473	15364	12732
30°	19380	13519	10472
35°	19104	11501	8776
40°	18545	9741	7933
45°	17563	8466	7874
50°	16224	7739	8149
55°	14287	7439	8434
60°	12054	7332	8551
65°	9695	7170	8284
70°	7788	6801	7641
75°	5872	6154	6781
80°	4337	5526	6031
85°	2897	5213	5547



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.2	3.8
10°-20°	636.5	10.6
20°-30°	889.8	14.9
30°-40°	922.9	15.4
40°-50°	852.6	14.2
50°-60°	761.2	12.7
60°-70°	616.9	10.3
70°-80°	410.3	6.9
80°-90°	235.0	3.9
90°-100°	130.0	2.2
100°-110°	88.0	1.5
110°-120°	73.3	1.2
120°-130°	59.6	1.0
130°-140°	43.0	0.7
140°-150°	25.9	0.4
150°-160°	12.5	0.2
160°-170°	3.2	0.1
170°-180°	0.0	0.0
0°-30°	1751.5	29.3
0°-40°	2674.4	44.7
0°-60°	4288.3	71.6
0°-90°	5550.5	92.7
90°-120°	291.3	4.9
90°-150°	419.8	7.0
90°-180°	435.0	7.3
0°-180°	5986.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2380	2380	2380	2380	2380	
5°	2405	2365	2377	2361	2358	229
15°	2345	2295	2276	2224	2202	663
25°	2216	2118	1954	1749	1678	1021
35°	1979	1762	1401	1176	1123	1235
45°	1585	1256	954	920	948	1219
55°	1059	801	745	866	920	942
65°	541	484	606	743	782	547
75°	210	263	409	501	521	230
85°	42	122	241	308	316	49
90°	2	86	190	230	228	3
95°	2	72	151	161	156	2
105°	1	63	109	106	100	1
115°	1	57	96	95	92	1
125°	1	49	85	89	87	1
135°	2	36	67	79	79	2
145°	2	23	47	61	65	1
155°	2	14	29	38	47	1
165°	2	8	14	19	25	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°	2380.3	2380.3	2380.3	2380.3	2380.3
2.5°	2410.3	2371.0	2383.4	2373.0	2359.6
5°	2405.1	2364.8	2377.2	2360.6	2357.5
7.5°	2395.8	2355.4	2362.7	2343.0	2337.9
10°	2383.4	2341.0	2342.0	2314.1	2306.8
12.5°	2366.8	2320.3	2314.1	2275.8	2265.4
15°	2345.1	2295.4	2275.8	2224.1	2202.3
17.5°	2321.3	2263.4	2223.0	2143.4	2109.2
20°	2289.2	2224.1	2153.7	2032.7	1987.2
22.5°	2257.2	2176.5	2063.7	1902.4	1841.3
25°	2215.8	2117.5	1954.1	1749.3	1677.9
27.5°	2169.2	2048.2	1827.9	1592.0	1515.5
30°	2114.4	1964.4	1689.3	1437.9	1365.5
32.5°	2050.3	1870.3	1543.4	1299.3	1232.0
35°	1978.9	1761.7	1400.6	1176.2	1123.4
37.5°	1897.2	1642.7	1268.2	1076.9	1042.7
40°	1804.1	1513.4	1146.2	1000.3	988.9
42.5°	1703.7	1387.2	1041.7	950.7	961.0
45°	1584.8	1255.8	953.8	919.6	947.6
47.5°	1459.6	1127.6	882.4	902.0	942.4
50°	1338.6	1008.6	826.5	890.7	938.2
52.5°	1188.6	902.0	782.0	880.3	932.0
55°	1059.3	800.7	744.8	865.8	919.6
57.5°	910.3	709.6	711.7	847.2	901.0
60°	786.2	626.9	679.6	821.4	873.1
62.5°	660.0	552.4	644.5	787.2	833.8
65°	541.0	484.1	606.2	742.7	782.0
67.5°	441.7	422.1	562.7	688.9	722.0
70°	357.9	365.2	515.2	628.9	656.9
72.5°	275.2	312.4	463.4	564.8	588.6
75°	210.0	262.8	408.6	500.7	521.4
77.5°	155.2	219.3	359.0	442.7	460.3
80°	109.7	181.0	312.4	392.1	405.5
82.5°	73.4	149.0	274.1	346.5	359.0
85°	42.4	122.1	241.0	308.3	316.5
87.5°	17.6	101.4	214.1	269.0	273.1
90°	2.1	85.9	190.3	229.6	227.6
92.5°	2.1	77.6	169.7	192.4	187.2
95°	2.1	72.4	151.0	161.4	156.2
97.5°	2.1	69.3	134.5	138.6	133.4
100°	1.0	67.2	123.1	123.1	117.9
102.5°	1.0	65.2	114.8	111.7	107.6
105°	1.0	63.1	108.6	105.5	100.3
107.5°	1.0	62.1	104.5	101.4	96.2
110°	1.0	60.0	101.4	98.3	94.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	59.0	99.3	97.2	92.1
115°	1.0	56.9	96.2	95.2	92.1
117.5°	1.0	54.8	94.1	94.1	91.0
120°	1.0	52.8	91.0	93.1	90.0
122.5°	1.0	50.7	87.9	91.0	87.9
125°	1.0	48.6	84.8	89.0	86.9
127.5°	2.1	45.5	80.7	86.9	84.8
130°	1.0	42.4	76.5	84.8	83.8
132.5°	2.1	39.3	72.4	81.7	81.7
135°	2.1	36.2	67.2	78.6	78.6
137.5°	2.1	32.1	62.1	74.5	75.5
140°	2.1	29.0	56.9	70.3	72.4
142.5°	2.1	25.9	51.7	66.2	69.3
145°	2.1	22.8	46.6	61.0	65.2
147.5°	2.1	20.7	41.4	54.8	61.0
150°	2.1	17.6	37.2	49.7	55.9
152.5°	2.1	15.5	33.1	44.5	51.7
155°	2.1	14.5	29.0	38.3	46.6
157.5°	2.1	12.4	24.8	33.1	41.4
160°	2.1	10.3	20.7	29.0	35.2
162.5°	2.1	9.3	17.6	23.8	31.0
165°	2.1	8.3	14.5	18.6	24.8
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)