

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-LD5-56SL-SLC-UNV-L935-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-LD5-56SL-SLC-UNV-L935-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

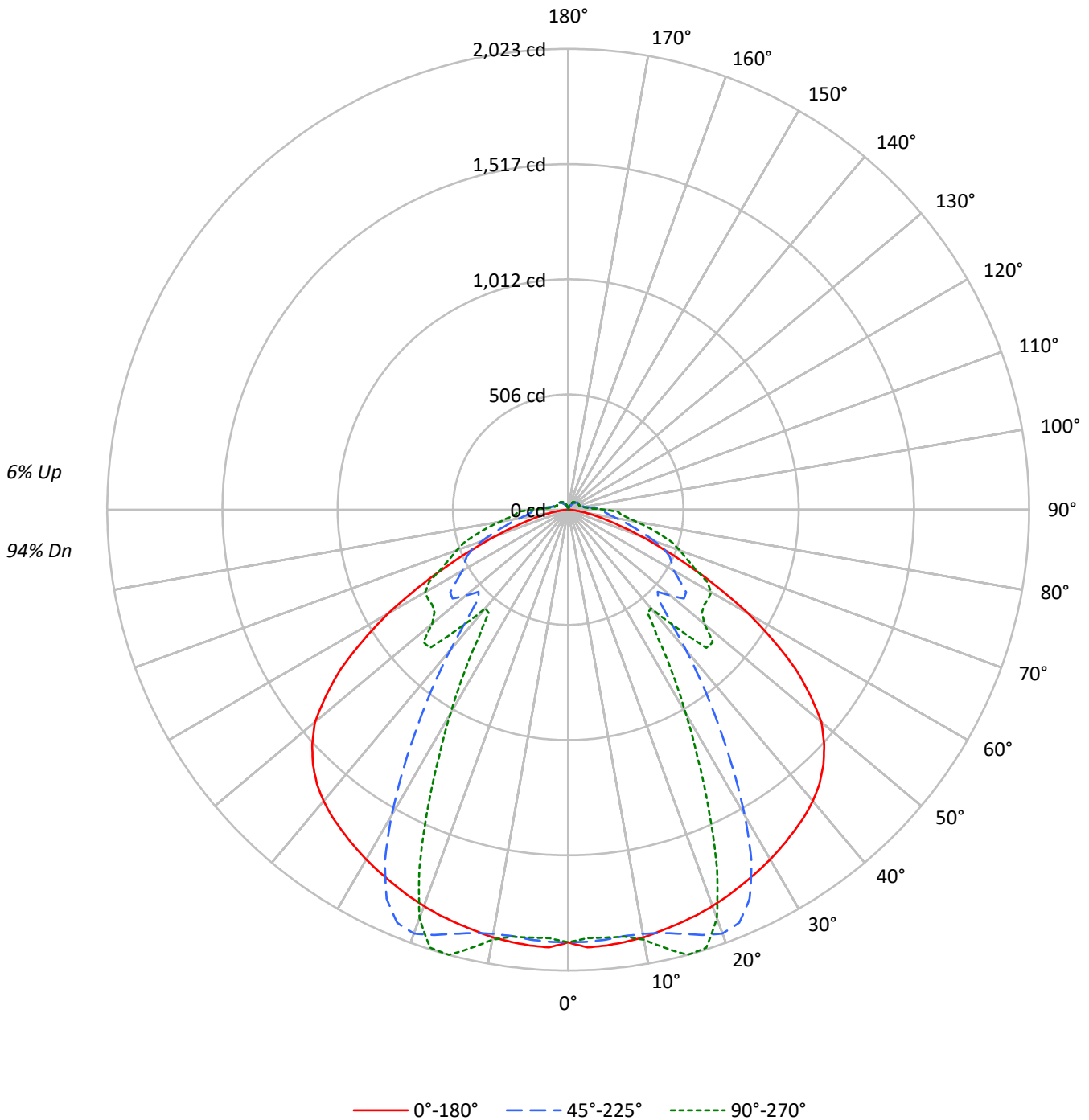
Lumens per Lamp: N/A  
Luminaire Lumens: 4879.0 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 46  
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	63	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°	15348	15348	15348
5°	15536	14989	14805
10°	15555	14761	14754
15°	15598	14969	15377
20°	15742	15415	14434
25°	15939	14814	11114
30°	16253	12407	7905
35°	16656	9397	5353
40°	17165	6831	4533
45°	17555	4956	7126
50°	17579	5487	6763
55°	16431	6315	6678
60°	14000	5779	7099
65°	10532	5828	6493
70°	7392	5305	6044
75°	4843	4445	5423
80°	3091	3807	4514
85°	1667	3619	4052



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.7	3.7
10°-20°	545.7	11.2
20°-30°	792.7	16.2
30°-40°	757.4	15.5
40°-50°	692.8	14.2
50°-60°	639.7	13.1
60°-70°	508.1	10.4
70°-80°	313.6	6.4
80°-90°	170.8	3.5
90°-100°	86.3	1.8
100°-110°	54.2	1.1
110°-120°	46.0	0.9
120°-130°	37.5	0.8
130°-140°	26.9	0.6
140°-150°	16.6	0.3
150°-160°	7.9	0.2
160°-170°	2.0	0.0
170°-180°	0.0	0.0
0°-30°	1519.1	31.1
0°-40°	2276.5	46.7
0°-60°	3609.0	74.0
0°-90°	4601.5	94.3
90°-120°	186.5	3.8
90°-150°	267.5	5.5
90°-180°	277.0	5.7
0°-180°	4879.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1899	1899	1899	1899	1899	
5°	1920	1891	1894	1884	1885	183
15°	1880	1855	1927	1999	2023	532
25°	1814	1849	1884	1595	1465	838
35°	1725	1698	1144	788	685	1082
45°	1584	1105	558	712	858	1217
55°	1218	567	632	680	728	1073
65°	588	367	493	599	613	594
75°	173	196	295	391	417	196
85°	24	83	167	228	231	31
90°	1	62	150	177	164	1
95°	0	58	103	92	87	0
105°	0	52	64	58	57	0
115°	0	43	61	55	52	0
125°	1	34	55	53	50	1
135°	1	24	44	48	46	1
145°	1	15	30	39	41	1
155°	2	9	18	24	29	1
165°	2	5	9	12	16	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°	1899.3	1899.3	1899.3	1899.3	1899.3
2.5°	1922.9	1895.1	1898.5	1892.6	1882.5
5°	1920.4	1890.9	1894.3	1884.2	1885.1
7.5°	1913.6	1883.4	1887.6	1885.9	1890.1
10°	1906.1	1874.1	1890.1	1904.4	1917.0
12.5°	1892.6	1864.0	1902.7	1944.8	1970.8
15°	1880.0	1854.8	1927.1	1998.6	2022.9
17.5°	1867.4	1851.4	1957.4	2019.6	2016.2
20°	1851.4	1849.7	1980.1	1959.0	1907.8
22.5°	1833.8	1850.6	1962.4	1808.5	1707.6
25°	1813.6	1848.9	1884.2	1595.0	1464.7
27.5°	1793.4	1841.3	1742.1	1361.2	1232.6
30°	1773.2	1821.2	1550.4	1147.7	1030.8
32.5°	1749.7	1777.4	1341.9	958.5	850.9
35°	1725.3	1697.6	1144.3	787.8	685.2
37.5°	1700.1	1582.4	966.9	638.2	572.6
40°	1669.8	1437.8	803.8	547.4	565.0
42.5°	1632.0	1274.6	660.0	574.3	697.0
45°	1584.1	1104.8	558.3	712.2	857.6
47.5°	1523.5	941.7	533.1	815.6	861.0
50°	1450.4	792.0	586.0	781.9	778.6
52.5°	1339.4	667.6	639.8	713.0	739.9
55°	1218.3	566.7	632.3	680.2	728.1
57.5°	1065.3	498.6	580.1	673.5	729.0
60°	913.1	453.2	535.6	672.6	724.8
62.5°	744.9	412.0	512.9	656.7	687.8
65°	587.7	367.4	492.7	598.6	612.9
67.5°	450.7	322.0	457.4	533.9	562.5
70°	339.7	277.5	401.9	484.3	519.6
72.5°	244.7	235.4	344.7	440.6	477.6
75°	173.2	195.9	295.1	391.0	417.0
77.5°	119.4	159.8	253.1	336.3	357.3
80°	78.2	127.8	215.2	289.2	303.5
82.5°	47.1	102.6	186.7	253.1	260.6
85°	24.4	83.2	167.3	227.9	231.2
87.5°	7.6	69.8	156.4	216.1	220.3
90°	0.8	62.2	149.7	177.4	164.0
92.5°	0.0	58.9	129.5	121.1	108.5
95°	0.0	58.0	103.4	91.6	86.6
97.5°	0.0	56.3	84.9	76.5	74.0
100°	0.0	54.7	73.1	67.3	66.4
102.5°	0.0	53.8	66.4	61.4	60.5
105°	0.0	52.1	63.9	58.0	57.2
107.5°	0.0	49.6	62.2	56.3	54.7
110°	0.0	47.1	62.2	55.5	53.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	44.6	62.2	54.7	52.1
115°	0.0	42.9	61.4	54.7	52.1
117.5°	0.8	41.2	60.5	54.7	52.1
120°	0.0	39.5	58.9	54.7	51.3
122.5°	0.8	37.0	57.2	53.8	51.3
125°	0.8	34.5	54.7	53.0	50.4
127.5°	0.8	32.0	52.1	51.3	48.8
130°	0.8	29.4	49.6	50.4	47.9
132.5°	0.8	26.9	46.2	48.8	47.1
135°	0.8	24.4	43.7	47.9	46.2
137.5°	0.8	21.9	40.4	45.4	45.4
140°	0.8	19.3	37.0	43.7	44.6
142.5°	0.8	17.7	33.6	42.0	42.9
145°	0.8	15.1	30.3	38.7	41.2
147.5°	0.8	13.5	26.9	35.3	38.7
150°	0.8	11.8	23.5	32.0	35.3
152.5°	0.8	10.1	21.0	27.7	32.8
155°	1.7	9.2	18.5	24.4	29.4
157.5°	1.7	7.6	15.1	21.0	25.2
160°	1.7	6.7	13.5	17.7	22.7
162.5°	1.7	5.9	10.9	15.1	19.3
165°	1.7	5.0	9.2	11.8	16.0
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)