

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: P218442

Luminaire Tested: **4SNLED-LD5-42SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-42SL-RM-UNV-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4648.9 lumens  
Efficiency: N/A  
Efficacy: 151.9 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

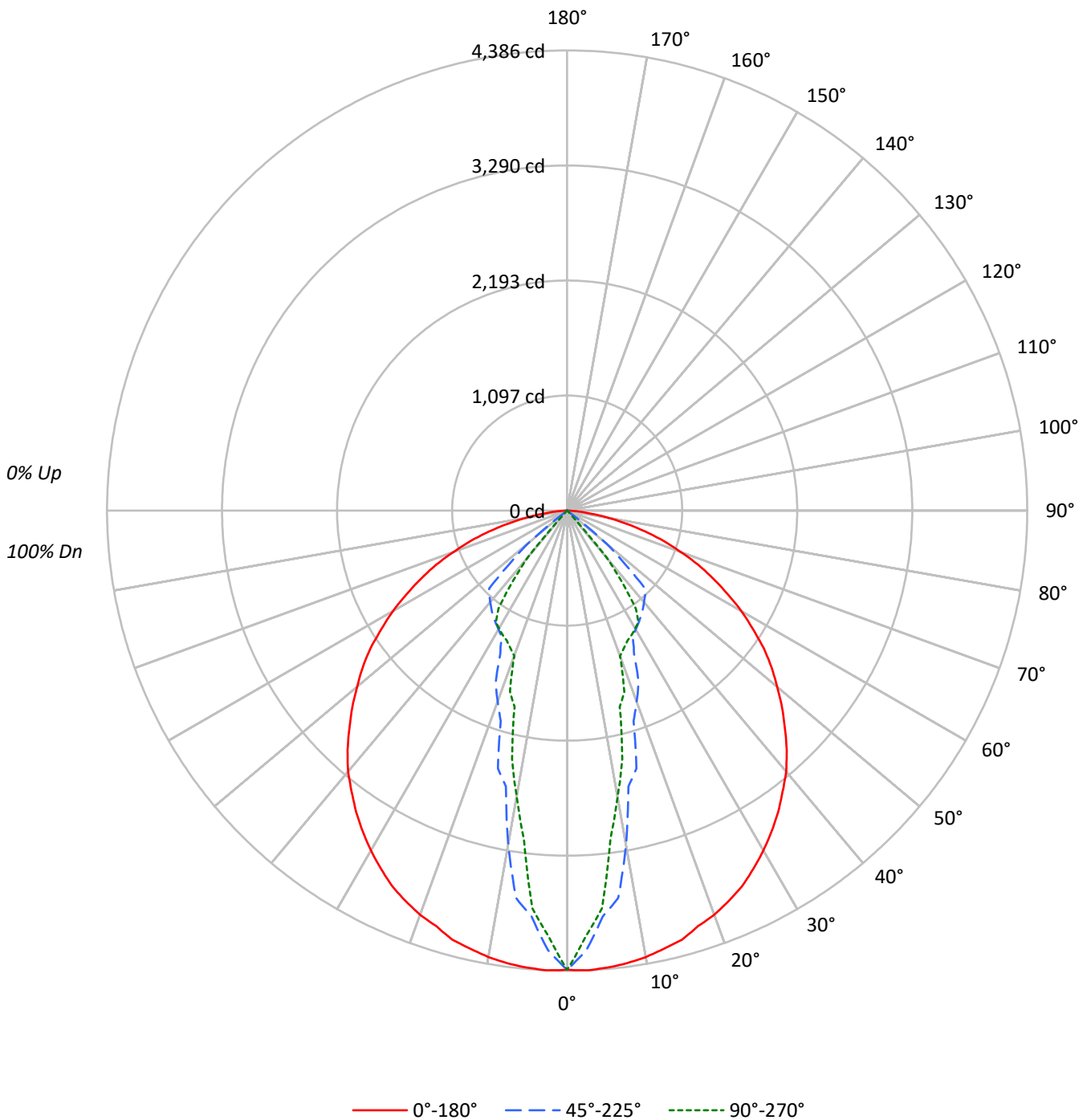
Input Watts (W): 30.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36

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

	0°	45°	90°
0°	70534	70534	70534
5°	70473	59004	56617
10°	70186	46793	38507
15°	69842	35470	25485
20°	69230	26162	18532
25°	68855	19983	16539
30°	67974	17073	15295
35°	66997	15922	13207
40°	65988	14811	6630
45°	64196	13770	25
50°	62406	6540	0
55°	60647	215	0
60°	57674	159	0
65°	53787	67	0
70°	48626	34	0
75°	41396	37	29
80°	29674	39	31
85°	14343	43	33



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.2	7.8
10°-20°	778.7	16.8
20°-30°	929.0	20.0
30°-40°	988.5	21.3
40°-50°	722.2	15.5
50°-60°	461.3	9.9
60°-70°	277.7	6.0
70°-80°	108.2	2.3
80°-90°	21.9	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2069.0	44.5
0°-40°	3057.5	65.8
0°-60°	4241.1	91.2
0°-90°	4648.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4648.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4377	4377	4377	4377	4377	
5°	4373	4159	3883	3813	3806	416
15°	4234	3611	2546	1984	1937	1192
25°	3948	2517	1510	1375	1364	1817
35°	3505	1663	1227	1227	1142	2193
45°	2935	1076	1049	4	2	2267
55°	2288	849	16	2	0	2036
65°	1537	346	4	2	0	1521
75°	768	18	2	2	2	812
85°	115	2	2	2	2	159
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4377.3	4377.3	4377.3	4377.3	4377.3
2.5°	4386.3	4357.0	4195.3	4127.8	4062.7
5°	4372.8	4159.3	3882.9	3813.3	3806.5
7.5°	4352.5	3959.3	3725.6	3325.6	3157.1
10°	4321.1	3829.0	3231.3	2894.2	2768.4
12.5°	4276.1	3635.7	2694.2	2501.0	2426.8
15°	4233.5	3611.0	2545.9	1984.2	1937.0
17.5°	4152.6	3107.7	2103.2	1865.1	1811.1
20°	4098.6	2878.5	1934.7	1617.9	1474.1
22.5°	4026.7	2743.7	1779.7	1471.8	1415.6
25°	3948.1	2516.7	1510.0	1375.2	1364.0
27.5°	3847.0	2213.4	1352.7	1339.2	1334.8
30°	3741.3	1878.5	1307.8	1303.3	1296.6
32.5°	3626.7	1746.0	1267.3	1267.3	1260.6
35°	3505.4	1662.8	1226.9	1226.9	1141.5
37.5°	3375.1	1557.2	1186.4	1186.4	858.4
40°	3247.0	1334.8	1139.3	791.0	579.7
42.5°	3098.7	1152.7	1098.8	552.8	4.5
45°	2934.7	1076.3	1049.4	4.5	2.2
47.5°	2779.6	1022.4	714.6	2.2	0.0
50°	2613.3	964.0	489.9	2.2	0.0
52.5°	2456.0	910.1	22.5	2.2	0.0
55°	2287.5	849.4	15.7	2.2	0.0
57.5°	2096.5	791.0	13.5	2.2	0.0
60°	1919.0	728.0	11.2	2.2	0.0
62.5°	1723.5	617.9	6.7	2.2	0.0
65°	1537.0	346.0	4.5	2.2	0.0
67.5°	1352.7	56.2	4.5	2.2	0.0
70°	1150.5	38.2	2.2	2.2	0.0
72.5°	964.0	29.2	2.2	2.2	2.2
75°	768.5	18.0	2.2	2.2	2.2
77.5°	575.2	11.2	2.2	2.2	2.2
80°	395.5	6.7	2.2	2.2	2.2
82.5°	238.2	2.2	2.2	2.2	2.2
85°	114.6	2.2	2.2	2.2	2.2
87.5°	36.0	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)