

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: P218470

Luminaire Tested: **4SNLED-LD5-62HL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218470
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-LD5-62HL-RM-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6132.1 lumens
Efficiency: N/A
Efficacy: 142.6 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

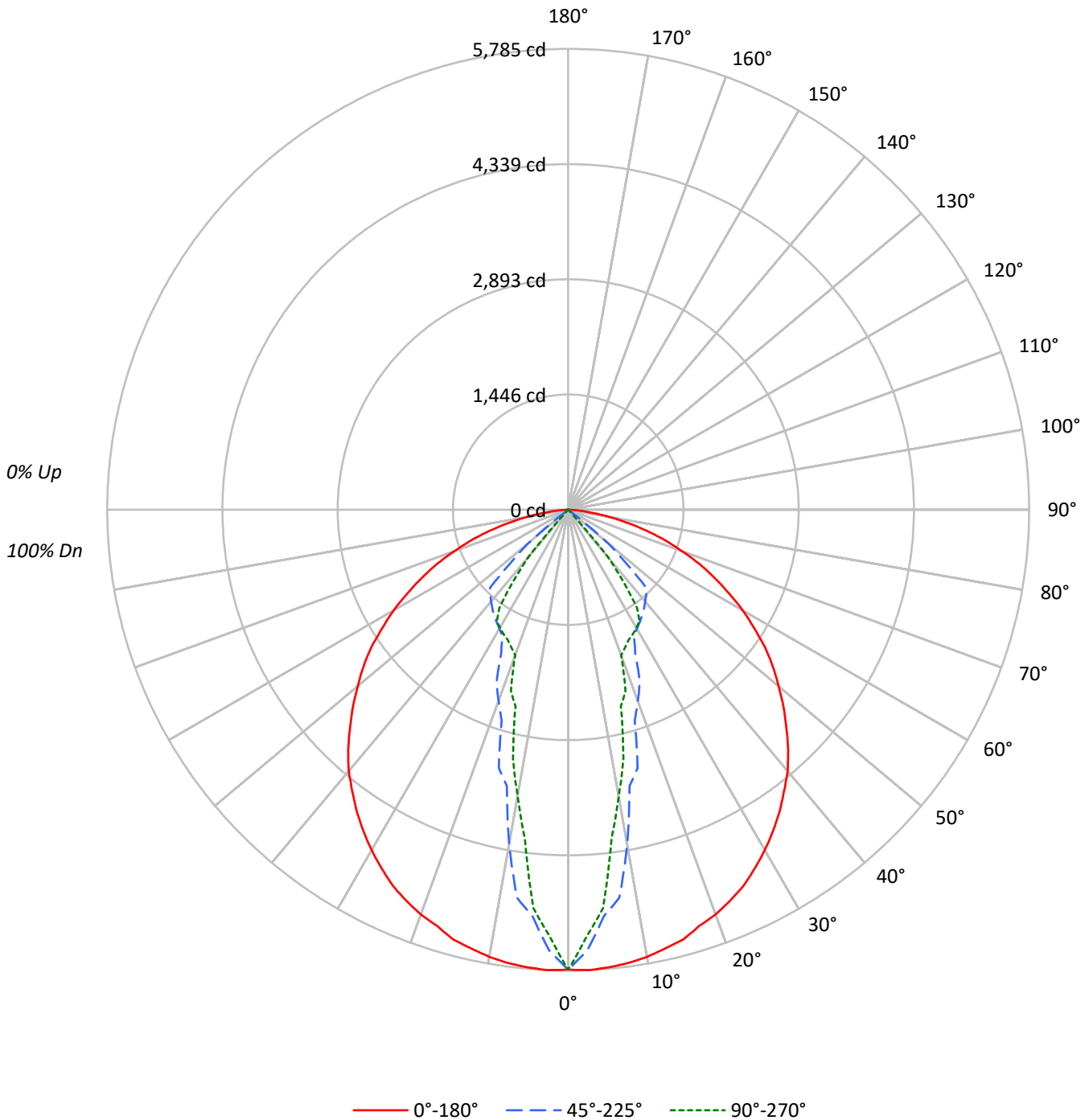
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	93034	93034	93034
5°	92954	77826	74679
10°	92575	61719	50791
15°	92120	46784	33613
20°	91315	34508	24444
25°	90818	26358	21815
30°	89658	22519	20172
35°	88368	21001	17420
40°	87039	19535	8746
45°	84673	18162	34
50°	82315	8625	0
55°	79993	283	0
60°	76070	210	0
65°	70945	87	0
70°	64137	47	0
75°	54598	50	39
80°	39135	54	42
85°	18924	59	45



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.5	7.8
10°-20°	1027.2	16.8
20°-30°	1225.4	20.0
30°-40°	1303.8	21.3
40°-50°	952.6	15.5
50°-60°	608.5	9.9
60°-70°	366.3	6.0
70°-80°	142.8	2.3
80°-90°	29.0	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°	2729.0	44.5
0°-40°	4032.9	65.8
0°-60°	5593.9	91.2
0°-90°	6132.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6132.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5774	5774	5774	5774	5774	
5°	5768	5486	5122	5030	5021	548
15°	5584	4763	3358	2617	2555	1573
25°	5208	3320	1992	1814	1799	2396
35°	4624	2193	1618	1618	1506	2892
45°	3871	1420	1384	6	3	2990
55°	3017	1120	21	3	0	2686
65°	2027	456	6	3	0	2006
75°	1014	24	3	3	3	1071
85°	151	3	3	3	3	210
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5773.6	5773.6	5773.6	5773.6	5773.6
2.5°	5785.4	5746.9	5533.5	5444.6	5358.6
5°	5767.7	5486.1	5121.5	5029.7	5020.8
7.5°	5741.0	5222.3	4914.1	4386.5	4164.2
10°	5699.5	5050.4	4262.0	3817.4	3651.5
12.5°	5640.2	4795.5	3553.7	3298.8	3201.0
15°	5583.9	4762.9	3358.0	2617.1	2554.8
17.5°	5477.2	4099.0	2774.2	2460.0	2388.9
20°	5406.1	3796.7	2551.9	2134.0	1944.3
22.5°	5311.2	3618.9	2347.4	1941.3	1867.2
25°	5207.5	3319.5	1991.7	1813.9	1799.1
27.5°	5074.1	2919.4	1784.2	1766.5	1760.5
30°	4934.8	2477.8	1725.0	1719.0	1710.1
32.5°	4783.7	2302.9	1671.6	1671.6	1662.7
35°	4623.6	2193.3	1618.3	1618.3	1505.6
37.5°	4451.7	2053.9	1564.9	1564.9	1132.2
40°	4282.8	1760.5	1502.7	1043.3	764.7
42.5°	4087.2	1520.5	1449.3	729.1	5.9
45°	3870.8	1419.7	1384.1	5.9	3.0
47.5°	3666.3	1348.6	942.5	3.0	0.0
50°	3447.0	1271.5	646.1	3.0	0.0
52.5°	3239.5	1200.4	29.6	3.0	0.0
55°	3017.2	1120.3	20.7	3.0	0.0
57.5°	2765.3	1043.3	17.8	3.0	0.0
60°	2531.1	960.3	14.8	3.0	0.0
62.5°	2273.3	815.1	8.9	3.0	0.0
65°	2027.3	456.4	5.9	3.0	0.0
67.5°	1784.2	74.1	5.9	3.0	0.0
70°	1517.5	50.4	3.0	3.0	0.0
72.5°	1271.5	38.5	3.0	3.0	3.0
75°	1013.6	23.7	3.0	3.0	3.0
77.5°	758.7	14.8	3.0	3.0	3.0
80°	521.6	8.9	3.0	3.0	3.0
82.5°	314.2	3.0	3.0	3.0	3.0
85°	151.2	3.0	3.0	3.0	3.0
87.5°	47.4	3.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)