

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: P218462

Luminaire Tested: **4SNLED-LD5-54SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218462
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-LD5-54SL-RM-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6057.0 lumens
Efficiency: N/A
Efficacy: 141.5 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

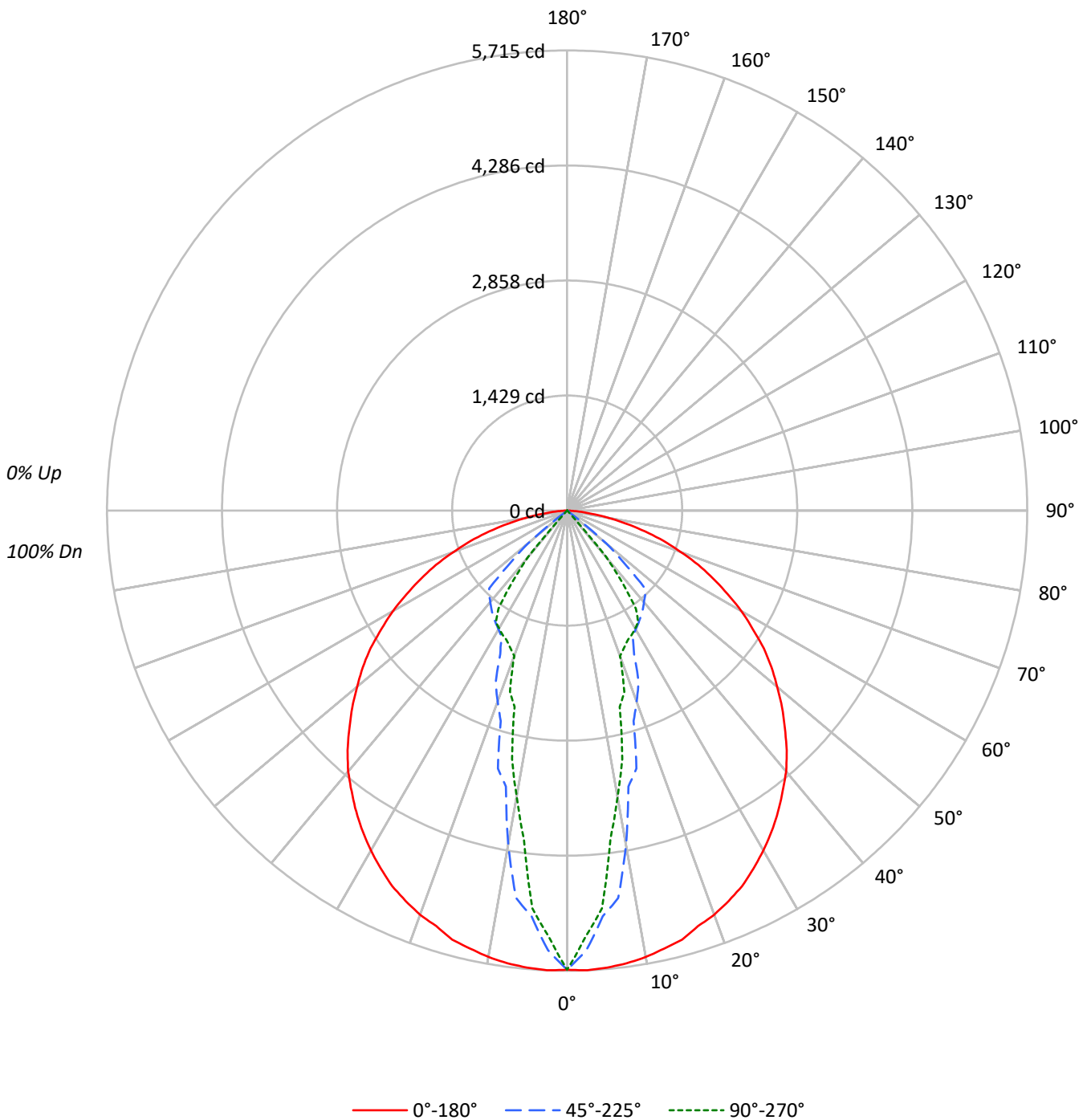
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	44	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°	91896	91896	91896
5°	91816	76874	73766
10°	91443	60965	50169
15°	90994	46213	33202
20°	90197	34086	24144
25°	89707	26035	21548
30°	88562	22244	19926
35°	87288	20744	17207
40°	85974	19295	8639
45°	83636	17940	33
50°	81307	8520	0
55°	79015	281	0
60°	75141	207	0
65°	70077	87	0
70°	63351	45	0
75°	53930	48	38
80°	38663	52	40
85°	18686	57	43



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.7	7.8
10°-20°	1014.6	16.8
20°-30°	1210.4	20.0
30°-40°	1287.9	21.3
40°-50°	941.0	15.5
50°-60°	601.0	9.9
60°-70°	361.9	6.0
70°-80°	141.0	2.3
80°-90°	28.6	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°	2695.7	44.5
0°-40°	3983.6	65.8
0°-60°	5525.5	91.2
0°-90°	6057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5703	5703	5703	5703	5703	
5°	5697	5419	5059	4968	4959	542
15°	5516	4705	3317	2585	2524	1553
25°	5144	3279	1967	1792	1777	2367
35°	4567	2166	1598	1598	1487	2857
45°	3823	1402	1367	6	3	2953
55°	2980	1107	20	3	0	2653
65°	2002	451	6	3	0	1981
75°	1001	23	3	3	3	1058
85°	149	3	3	3	3	208
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5703.0	5703.0	5703.0	5703.0	5703.0
2.5°	5714.7	5676.6	5465.8	5378.0	5293.1
5°	5697.1	5419.0	5058.9	4968.1	4959.4
7.5°	5670.8	5158.4	4854.0	4332.8	4113.3
10°	5629.8	4988.6	4209.9	3770.8	3606.8
12.5°	5571.2	4736.9	3510.2	3258.4	3161.8
15°	5515.6	4704.7	3317.0	2585.1	2523.6
17.5°	5410.2	4048.9	2740.2	2429.9	2359.6
20°	5339.9	3750.3	2520.7	2107.9	1920.5
22.5°	5246.3	3574.6	2318.7	1917.6	1844.4
25°	5143.8	3278.9	1967.3	1791.7	1777.1
27.5°	5012.1	2883.7	1762.4	1744.9	1739.0
30°	4874.5	2447.5	1703.9	1698.0	1689.2
32.5°	4725.1	2274.7	1651.2	1651.2	1642.4
35°	4567.1	2166.4	1598.5	1598.5	1487.2
37.5°	4397.3	2028.8	1545.8	1545.8	1118.3
40°	4230.4	1739.0	1484.3	1030.5	755.3
42.5°	4037.2	1501.9	1431.6	720.2	5.9
45°	3823.4	1402.3	1367.2	5.9	2.9
47.5°	3621.4	1332.1	931.0	2.9	0.0
50°	3404.8	1255.9	638.2	2.9	0.0
52.5°	3199.9	1185.7	29.3	2.9	0.0
55°	2980.3	1106.6	20.5	2.9	0.0
57.5°	2731.5	1030.5	17.6	2.9	0.0
60°	2500.2	948.5	14.6	2.9	0.0
62.5°	2245.5	805.1	8.8	2.9	0.0
65°	2002.5	450.9	5.9	2.9	0.0
67.5°	1762.4	73.2	5.9	2.9	0.0
70°	1498.9	49.8	2.9	2.9	0.0
72.5°	1255.9	38.1	2.9	2.9	2.9
75°	1001.2	23.4	2.9	2.9	2.9
77.5°	749.5	14.6	2.9	2.9	2.9
80°	515.3	8.8	2.9	2.9	2.9
82.5°	310.3	2.9	2.9	2.9	2.9
85°	149.3	2.9	2.9	2.9	2.9
87.5°	46.8	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)