

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: P218438

Luminaire Tested: **4SNLED-LD5-39SL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218438
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-LD5-39SL-RM-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4270.1 lumens
Efficiency: N/A
Efficacy: 154.2 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

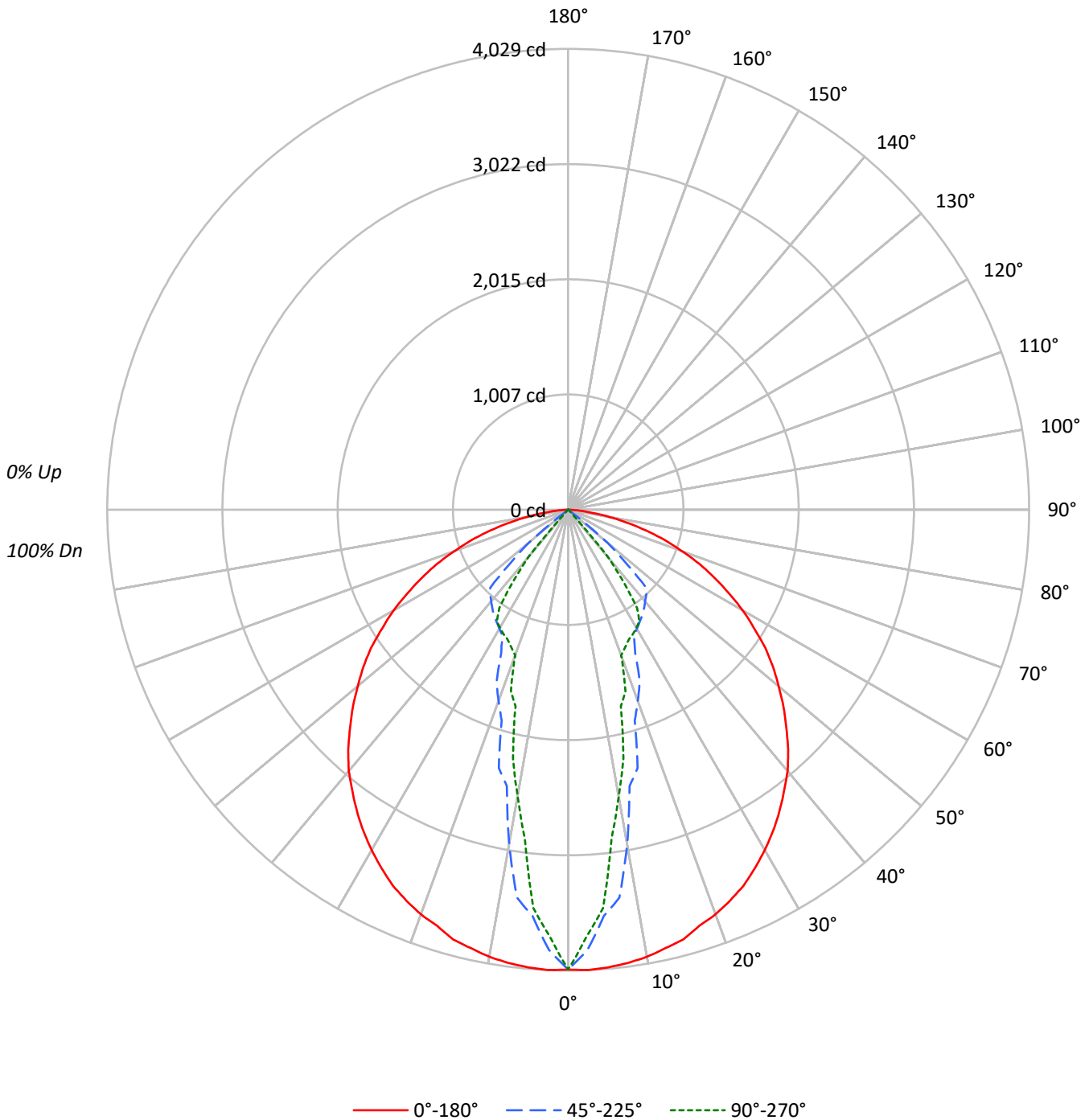
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	64783	64783	64783
5°	64728	54195	52002
10°	64464	42978	35368
15°	64147	32579	23407
20°	63587	24029	17021
25°	63241	18354	15191
30°	62432	15681	14048
35°	61534	14624	12130
40°	60609	13603	6091
45°	58961	12647	24
50°	57320	6006	0
55°	55703	197	0
60°	52970	146	0
65°	49402	61	0
70°	44661	33	0
75°	38018	35	28
80°	27251	38	29
85°	13179	41	31



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.8	7.8
10°-20°	715.3	16.8
20°-30°	853.3	20.0
30°-40°	907.9	21.3
40°-50°	663.3	15.5
50°-60°	423.7	9.9
60°-70°	255.1	6.0
70°-80°	99.4	2.3
80°-90°	20.2	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°	1900.3	44.5
0°-40°	2808.3	65.8
0°-60°	3895.3	91.2
0°-90°	4270.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4270.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4020	4020	4020	4020	4020	
5°	4016	3820	3566	3502	3496	382
15°	3888	3317	2338	1822	1779	1095
25°	3626	2312	1387	1263	1253	1669
35°	3220	1527	1127	1127	1048	2014
45°	2695	989	964	4	2	2082
55°	2101	780	14	2	0	1870
65°	1412	318	4	2	0	1397
75°	706	16	2	2	2	746
85°	105	2	2	2	2	146
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4020.4	4020.4	4020.4	4020.4	4020.4
2.5°	4028.7	4001.8	3853.2	3791.3	3731.5
5°	4016.3	3820.2	3566.4	3502.4	3496.2
7.5°	3997.7	3636.5	3421.9	3054.5	2899.7
10°	3968.8	3516.8	2967.8	2658.3	2542.7
12.5°	3927.5	3339.3	2474.6	2297.1	2229.0
15°	3888.3	3316.6	2338.4	1822.4	1779.1
17.5°	3814.0	2854.3	1931.8	1713.0	1663.5
20°	3764.5	2643.8	1777.0	1486.0	1353.9
22.5°	3698.5	2520.0	1634.6	1351.8	1300.2
25°	3626.2	2311.5	1386.9	1263.1	1252.8
27.5°	3533.3	2032.9	1242.4	1230.1	1225.9
30°	3436.3	1725.4	1201.2	1197.0	1190.9
32.5°	3331.1	1603.6	1164.0	1164.0	1157.8
35°	3219.6	1527.3	1126.9	1126.9	1048.4
37.5°	3099.9	1430.3	1089.7	1089.7	788.4
40°	2982.3	1225.9	1046.4	726.5	532.5
42.5°	2846.1	1058.8	1009.2	507.7	4.1
45°	2695.4	988.6	963.8	4.1	2.1
47.5°	2553.0	939.1	656.3	2.1	0.0
50°	2400.3	885.4	449.9	2.1	0.0
52.5°	2255.8	835.9	20.6	2.1	0.0
55°	2101.0	780.1	14.4	2.1	0.0
57.5°	1925.6	726.5	12.4	2.1	0.0
60°	1762.5	668.7	10.3	2.1	0.0
62.5°	1583.0	567.6	6.2	2.1	0.0
65°	1411.7	317.8	4.1	2.1	0.0
67.5°	1242.4	51.6	4.1	2.1	0.0
70°	1056.7	35.1	2.1	2.1	0.0
72.5°	885.4	26.8	2.1	2.1	2.1
75°	705.8	16.5	2.1	2.1	2.1
77.5°	528.4	10.3	2.1	2.1	2.1
80°	363.2	6.2	2.1	2.1	2.1
82.5°	218.8	2.1	2.1	2.1	2.1
85°	105.3	2.1	2.1	2.1	2.1
87.5°	33.0	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)