

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: P218463

Luminaire Tested: **4SNLED-LD5-58SL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218463
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-LD5-58SL-RM-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5539.1 lumens
Efficiency: N/A
Efficacy: 117.6 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

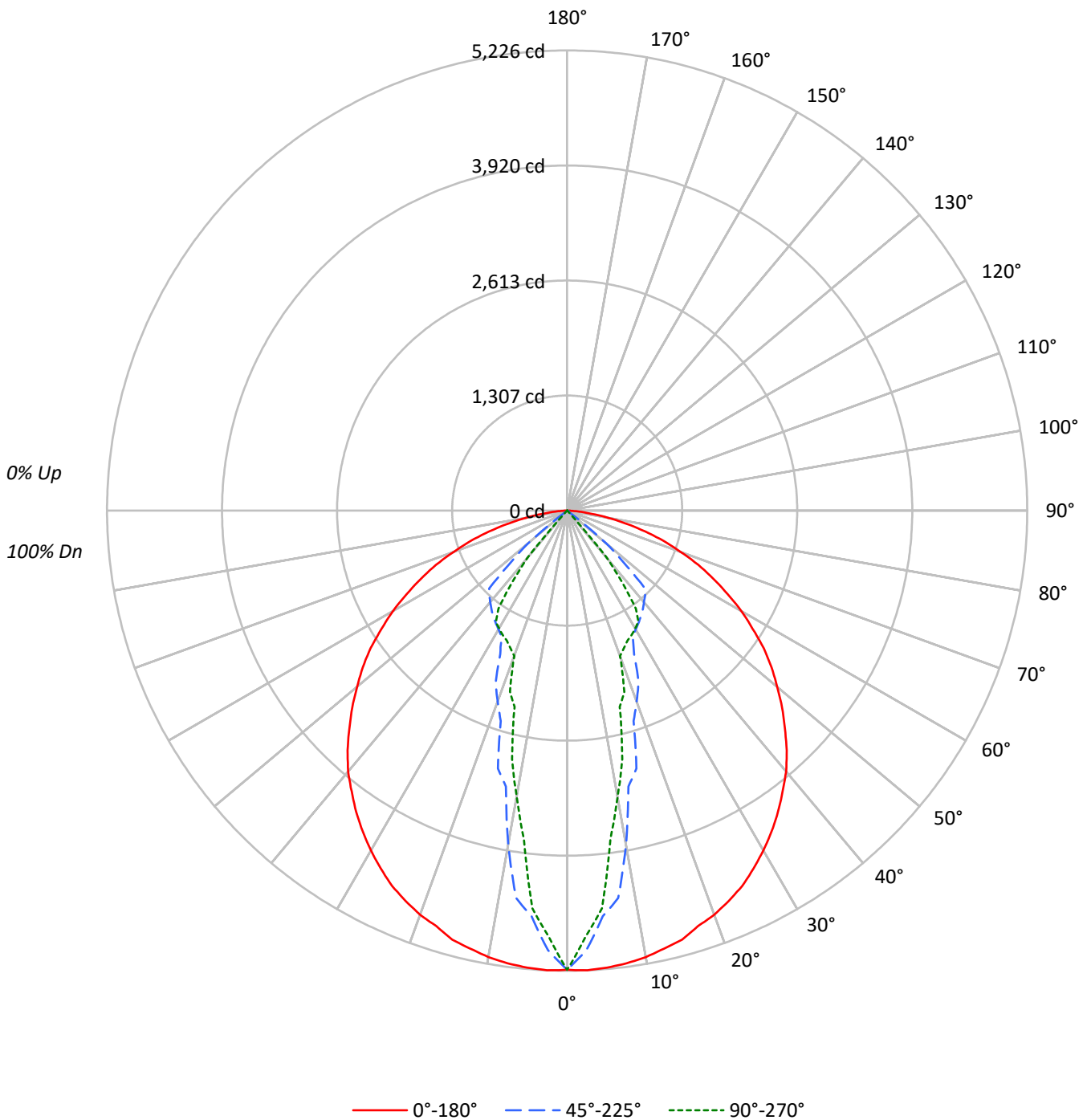
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	84036	84036	84036
5°	83964	70301	67456
10°	83622	55752	45878
15°	83212	42260	30363
20°	82484	31170	22080
25°	82036	23809	19705
30°	80988	20340	18222
35°	79823	18970	15735
40°	78621	17646	7900
45°	76485	16407	31
50°	74353	7791	0
55°	72257	256	0
60°	68715	190	0
65°	64083	80	0
70°	57933	42	0
75°	49319	45	36
80°	35354	48	38
85°	17084	53	40



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.4	7.8
10°-20°	927.8	16.8
20°-30°	1106.9	20.0
30°-40°	1177.8	21.3
40°-50°	860.5	15.5
50°-60°	549.6	9.9
60°-70°	330.9	6.0
70°-80°	129.0	2.3
80°-90°	26.2	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°	2465.1	44.5
0°-40°	3642.9	65.8
0°-60°	5053.0	91.2
0°-90°	5539.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5539.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5215	5215	5215	5215	5215	
5°	5210	4956	4626	4543	4535	495
15°	5044	4302	3033	2364	2308	1421
25°	4704	2998	1799	1638	1625	2165
35°	4176	1981	1462	1462	1360	2613
45°	3496	1282	1250	5	3	2701
55°	2725	1012	19	3	0	2426
65°	1831	412	5	3	0	1812
75°	916	21	3	3	3	967
85°	136	3	3	3	3	190
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5215.2	5215.2	5215.2	5215.2	5215.2
2.5°	5226.0	5191.1	4998.4	4918.1	4840.4
5°	5209.9	4955.6	4626.3	4543.3	4535.2
7.5°	5185.8	4717.3	4438.8	3962.3	3761.5
10°	5148.3	4562.0	3849.9	3448.3	3298.3
12.5°	5094.8	4331.8	3210.0	2979.8	2891.4
15°	5043.9	4302.3	3033.3	2364.0	2307.8
17.5°	4947.5	3702.6	2505.9	2222.1	2157.8
20°	4883.3	3429.5	2305.1	1927.6	1756.3
22.5°	4797.6	3268.9	2120.4	1753.6	1686.7
25°	4703.9	2998.5	1799.1	1638.5	1625.1
27.5°	4583.4	2637.1	1611.7	1595.6	1590.3
30°	4457.6	2238.2	1558.1	1552.8	1544.8
32.5°	4321.0	2080.2	1510.0	1510.0	1501.9
35°	4176.5	1981.2	1461.8	1461.8	1360.0
37.5°	4021.2	1855.3	1413.6	1413.6	1022.7
40°	3868.6	1590.3	1357.4	942.4	690.7
42.5°	3691.9	1373.4	1309.2	658.6	5.4
45°	3496.5	1282.4	1250.3	5.4	2.7
47.5°	3311.7	1218.1	851.4	2.7	0.0
50°	3113.6	1148.5	583.6	2.7	0.0
52.5°	2926.2	1084.3	26.8	2.7	0.0
55°	2725.4	1012.0	18.7	2.7	0.0
57.5°	2497.9	942.4	16.1	2.7	0.0
60°	2286.4	867.4	13.4	2.7	0.0
62.5°	2053.4	736.2	8.0	2.7	0.0
65°	1831.2	412.3	5.4	2.7	0.0
67.5°	1611.7	66.9	5.4	2.7	0.0
70°	1370.7	45.5	2.7	2.7	0.0
72.5°	1148.5	34.8	2.7	2.7	2.7
75°	915.6	21.4	2.7	2.7	2.7
77.5°	685.4	13.4	2.7	2.7	2.7
80°	471.2	8.0	2.7	2.7	2.7
82.5°	283.8	2.7	2.7	2.7	2.7
85°	136.5	2.7	2.7	2.7	2.7
87.5°	42.8	2.7	2.7	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)