

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: P218464

Luminaire Tested: **4SNLED-LD5-58SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218464
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5883.9 lumens
Efficiency: N/A
Efficacy: 124.9 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

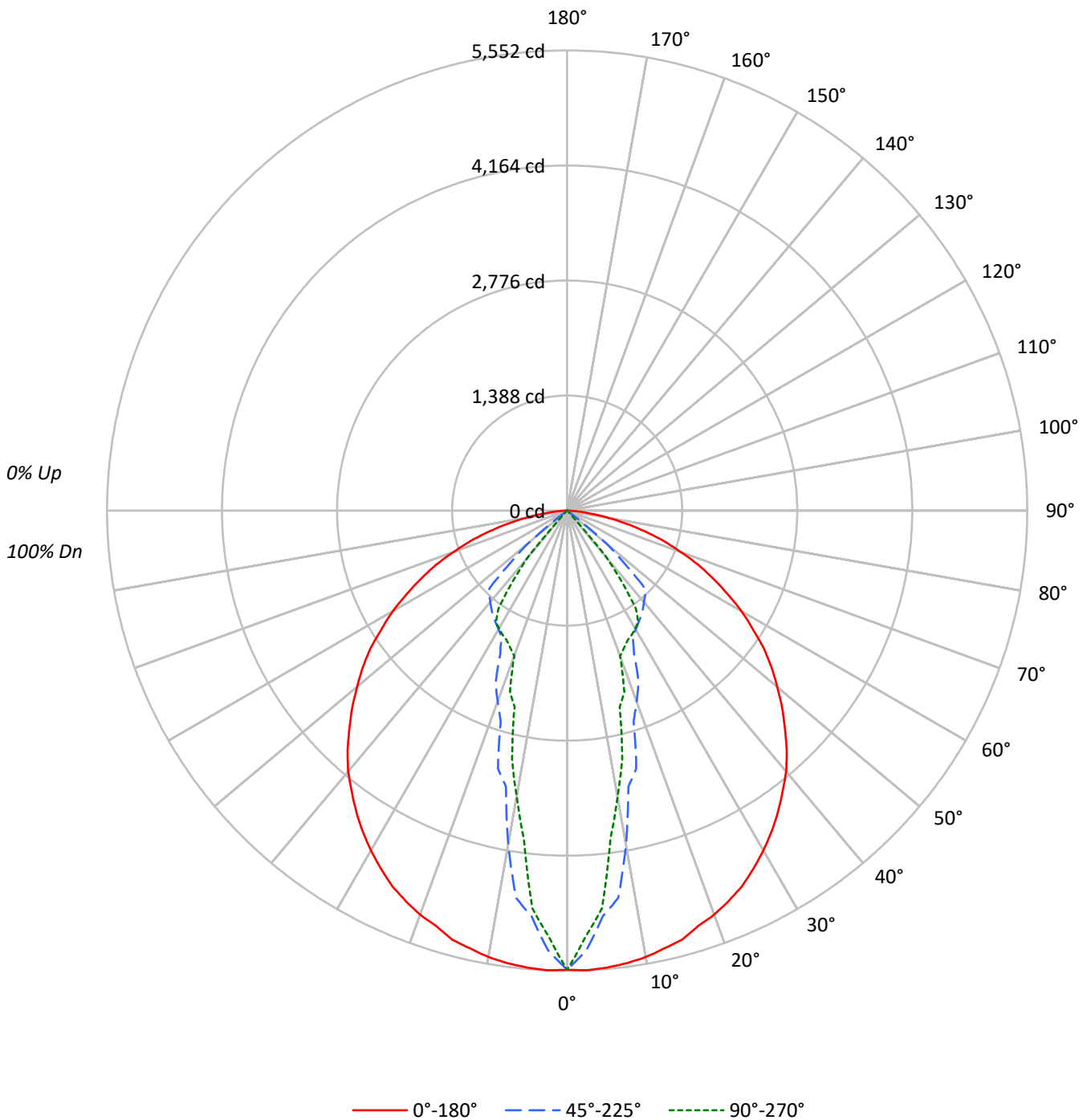
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	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°	89271	89271	89271
5°	89194	74679	71658
10°	88831	59223	48736
15°	88395	44892	32254
20°	87621	33112	23456
25°	87146	25292	20932
30°	86031	21608	19357
35°	84794	20151	16715
40°	83519	18744	8392
45°	81248	17427	32
50°	78986	8277	0
55°	76759	272	0
60°	72995	201	0
65°	68076	84	0
70°	61542	44	0
75°	52389	46	37
80°	37552	50	39
85°	18148	55	42



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.2	7.8
10°-20°	985.6	16.8
20°-30°	1175.8	20.0
30°-40°	1251.1	21.3
40°-50°	914.1	15.5
50°-60°	583.8	9.9
60°-70°	351.5	6.0
70°-80°	137.0	2.3
80°-90°	27.8	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°	2618.7	44.5
0°-40°	3869.8	65.8
0°-60°	5367.7	91.2
0°-90°	5883.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5883.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5540	5540	5540	5540	5540	
5°	5534	5264	4914	4826	4818	526
15°	5358	4570	3222	2511	2452	1509
25°	4997	3185	1911	1740	1726	2299
35°	4437	2104	1553	1553	1445	2775
45°	3714	1362	1328	6	3	2869
55°	2895	1075	20	3	0	2577
65°	1945	438	6	3	0	1925
75°	973	23	3	3	3	1027
85°	145	3	3	3	3	202
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5540.1	5540.1	5540.1	5540.1	5540.1
2.5°	5551.5	5514.5	5309.7	5224.4	5141.9
5°	5534.4	5264.2	4914.4	4826.2	4817.7
7.5°	5508.8	5011.1	4715.3	4209.1	3995.8
10°	5469.0	4846.1	4089.6	3663.1	3503.8
12.5°	5412.1	4601.6	3409.9	3165.4	3071.5
15°	5358.1	4570.3	3222.2	2511.2	2451.5
17.5°	5255.7	3933.2	2662.0	2360.5	2292.3
20°	5187.4	3643.1	2448.7	2047.7	1865.7
22.5°	5096.4	3472.5	2252.4	1862.8	1791.7
25°	4996.9	3185.3	1911.2	1740.5	1726.3
27.5°	4868.9	2801.3	1712.1	1695.0	1689.3
30°	4735.2	2377.6	1655.2	1649.5	1641.0
32.5°	4590.2	2209.8	1604.0	1604.0	1595.5
35°	4436.6	2104.5	1552.8	1552.8	1444.7
37.5°	4271.7	1970.9	1501.6	1501.6	1086.4
40°	4109.6	1689.3	1441.9	1001.1	733.7
42.5°	3921.9	1459.0	1390.7	699.6	5.7
45°	3714.2	1362.3	1328.1	5.7	2.8
47.5°	3518.0	1294.0	904.4	2.8	0.0
50°	3307.6	1220.1	620.0	2.8	0.0
52.5°	3108.5	1151.8	28.4	2.8	0.0
55°	2895.2	1075.0	19.9	2.8	0.0
57.5°	2653.4	1001.1	17.1	2.8	0.0
60°	2428.8	921.5	14.2	2.8	0.0
62.5°	2181.3	782.1	8.5	2.8	0.0
65°	1945.3	438.0	5.7	2.8	0.0
67.5°	1712.1	71.1	5.7	2.8	0.0
70°	1456.1	48.3	2.8	2.8	0.0
72.5°	1220.1	37.0	2.8	2.8	2.8
75°	972.6	22.8	2.8	2.8	2.8
77.5°	728.1	14.2	2.8	2.8	2.8
80°	500.5	8.5	2.8	2.8	2.8
82.5°	301.5	2.8	2.8	2.8	2.8
85°	145.0	2.8	2.8	2.8	2.8
87.5°	45.5	2.8	2.8	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)