

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: P217938

Luminaire Tested: **4SNLED-LD5-20SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-20SL-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2207.0 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

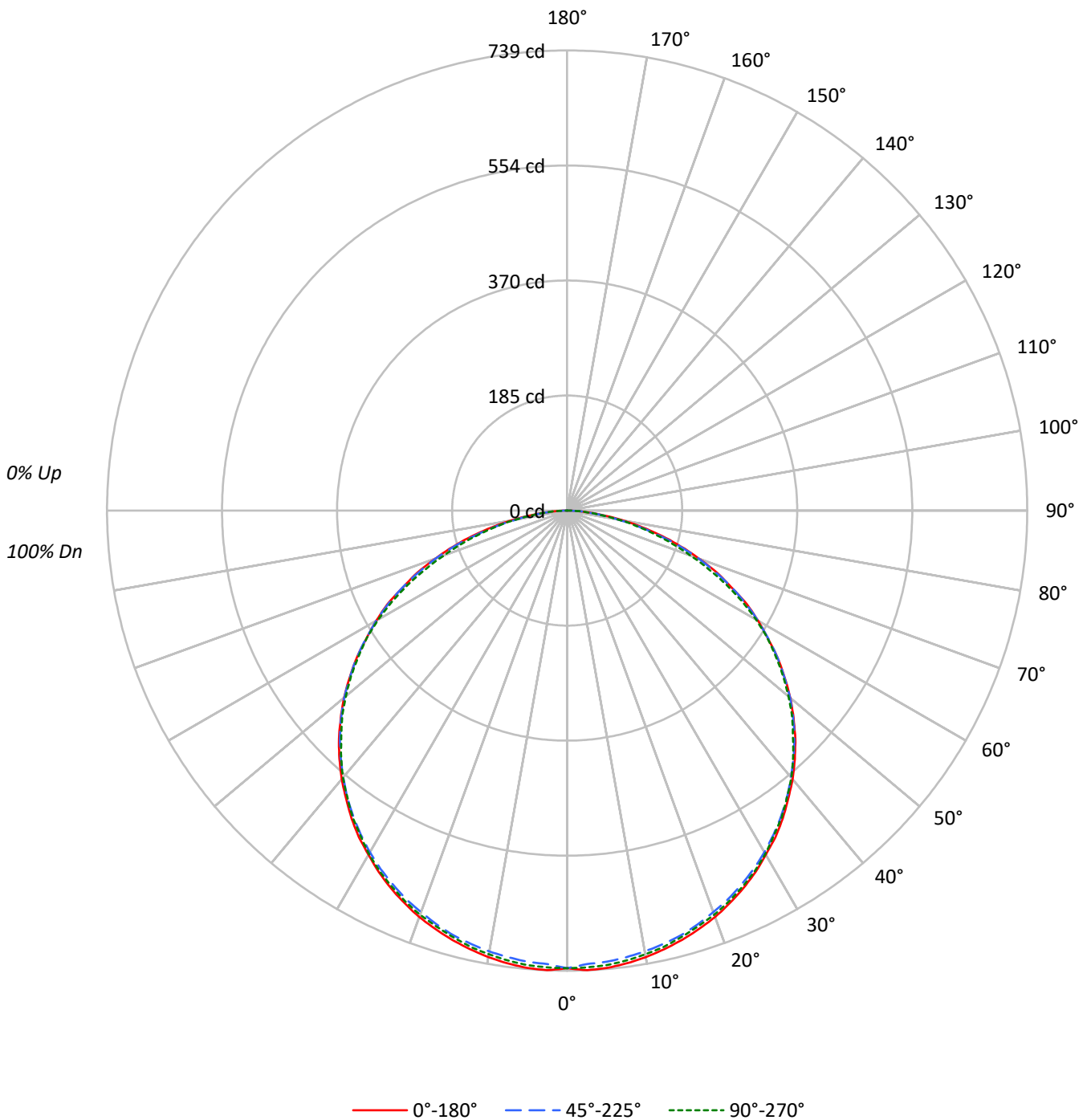
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11844	11844	11844
5°	11883	11053	10898
10°	11828	10412	10065
15°	11774	9836	9329
20°	11733	9279	8685
25°	11674	8767	8079
30°	11593	8270	7509
35°	11538	7776	6950
40°	11448	7273	6407
45°	11338	6771	5844
50°	11174	6235	5308
55°	10947	5653	4733
60°	10645	5016	4132
65°	10177	4310	3424
70°	9518	3484	2649
75°	8511	2509	1899
80°	6813	1491	1178
85°	4205	644	477



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	3.2
10°-20°	200.5	9.1
20°-30°	307.2	13.9
30°-40°	376.1	17.0
40°-50°	398.0	18.0
50°-60°	368.1	16.7
60°-70°	285.8	13.0
70°-80°	161.0	7.3
80°-90°	40.7	1.8
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°	577.4	26.2
0°-40°	953.5	43.2
0°-60°	1719.5	77.9
0°-90°	2207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	735	735	735	735	735	
5°	737	734	727	734	733	70
15°	714	711	706	712	709	202
25°	669	667	662	668	666	309
35°	604	602	599	601	601	377
45°	518	518	516	515	513	399
55°	413	414	413	411	409	368
65°	291	293	292	288	282	289
75°	158	158	151	147	144	166
85°	34	34	33	33	32	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	735.0	735.0	735.0	735.0	735.0
2.5°	738.8	735.8	728.9	735.8	734.3
5°	737.3	734.3	727.4	734.3	732.7
7.5°	733.5	731.2	723.6	730.4	728.9
10°	728.2	725.9	719.0	725.9	723.6
12.5°	721.3	719.0	712.9	719.0	717.5
15°	713.7	711.4	706.0	712.1	709.1
17.5°	704.5	703.0	696.9	703.0	699.9
20°	694.6	691.5	686.2	692.3	690.8
22.5°	682.4	680.8	675.5	680.8	679.3
25°	669.4	667.1	662.5	667.9	666.3
27.5°	654.9	653.4	648.8	652.6	652.6
30°	638.1	637.3	633.5	637.3	636.6
32.5°	622.1	620.5	616.7	619.8	618.2
35°	603.7	601.5	599.2	600.7	600.7
37.5°	583.1	582.4	580.1	582.4	580.1
40°	563.3	561.8	559.5	560.2	560.2
42.5°	541.2	540.4	538.1	538.1	537.3
45°	518.3	517.5	516.0	515.2	512.9
47.5°	493.1	492.3	492.3	491.5	490.0
50°	467.9	467.9	467.1	464.8	464.1
52.5°	440.4	441.9	439.6	438.1	437.4
55°	412.9	414.5	412.9	411.4	409.1
57.5°	382.4	385.4	383.2	382.4	381.6
60°	354.2	355.7	354.2	351.9	350.3
62.5°	325.2	325.2	322.9	321.3	316.8
65°	290.8	293.1	291.6	287.8	282.4
67.5°	260.3	258.7	257.2	252.6	246.5
70°	225.2	225.9	223.6	216.8	210.7
72.5°	191.6	193.1	188.5	179.4	177.8
75°	158.0	158.0	151.1	147.3	144.3
77.5°	123.6	124.4	115.3	114.5	113.7
80°	90.8	92.4	83.2	85.5	84.7
82.5°	61.8	60.3	56.5	56.5	55.7
85°	33.6	33.6	32.8	32.8	32.1
87.5°	13.0	13.7	15.3	16.8	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)