

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: P217937

Luminaire Tested: **4SNLED-LD5-20SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217937
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2040.0 lumens
Efficiency: N/A
Efficacy: 139.7 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

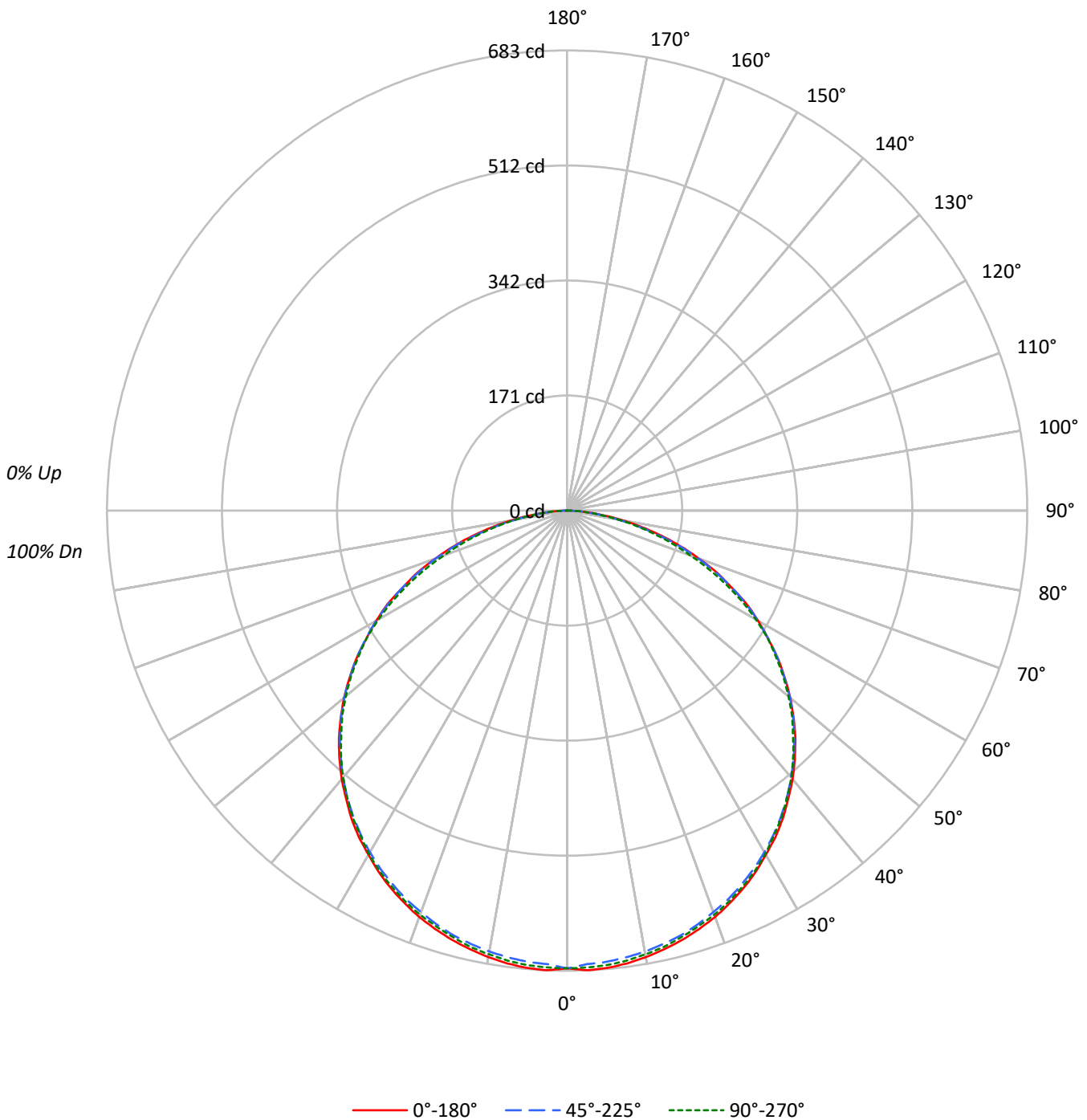
Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	71	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°	10948	10948	10948
5°	10983	10218	10074
10°	10933	9624	9303
15°	10883	9092	8623
20°	10844	8577	8027
25°	10790	8104	7468
30°	10716	7645	6941
35°	10667	7187	6424
40°	10582	6722	5922
45°	10478	6258	5402
50°	10328	5764	4906
55°	10120	5226	4376
60°	9840	4636	3820
65°	9407	3983	3165
70°	8795	3220	2448
75°	7864	2320	1754
80°	6302	1378	1089
85°	3880	595	440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	3.2
10°-20°	185.4	9.1
20°-30°	284.0	13.9
30°-40°	347.6	17.0
40°-50°	367.8	18.0
50°-60°	340.2	16.7
60°-70°	264.2	12.9
70°-80°	148.8	7.3
80°-90°	37.6	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°	533.7	26.2
0°-40°	881.3	43.2
0°-60°	1589.4	77.9
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	679	679	679	679	679	
5°	682	679	672	679	677	65
15°	660	658	653	658	655	186
25°	619	617	612	617	616	285
35°	558	556	554	555	555	349
45°	479	478	477	476	474	369
55°	382	383	382	380	378	341
65°	269	271	270	266	261	267
75°	146	146	140	136	133	154
85°	31	31	30	30	30	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	679.4	679.4	679.4	679.4	679.4
2.5°	682.9	680.1	673.8	680.1	678.7
5°	681.5	678.7	672.4	678.7	677.3
7.5°	678.0	675.9	668.8	675.2	673.8
10°	673.1	670.9	664.6	670.9	668.8
12.5°	666.7	664.6	658.9	664.6	663.2
15°	659.7	657.5	652.6	658.2	655.4
17.5°	651.2	649.8	644.1	649.8	647.0
20°	642.0	639.2	634.3	639.9	638.5
22.5°	630.7	629.3	624.4	629.3	627.9
25°	618.7	616.6	612.4	617.3	615.9
27.5°	605.3	603.9	599.7	603.2	603.2
30°	589.8	589.1	585.6	589.1	588.4
32.5°	575.0	573.6	570.1	572.9	571.5
35°	558.1	555.9	553.8	555.2	555.2
37.5°	539.0	538.3	536.2	538.3	536.2
40°	520.7	519.3	517.1	517.8	517.8
42.5°	500.2	499.5	497.4	497.4	496.7
45°	479.0	478.3	476.9	476.2	474.1
47.5°	455.8	455.1	455.1	454.3	452.9
50°	432.5	432.5	431.8	429.7	428.9
52.5°	407.1	408.5	406.4	405.0	404.3
55°	381.7	383.1	381.7	380.3	378.2
57.5°	353.5	356.3	354.2	353.5	352.8
60°	327.4	328.8	327.4	325.2	323.8
62.5°	300.5	300.5	298.4	297.0	292.8
65°	268.8	270.9	269.5	266.0	261.0
67.5°	240.6	239.2	237.8	233.5	227.9
70°	208.1	208.8	206.7	200.4	194.7
72.5°	177.1	178.5	174.3	165.8	164.4
75°	146.0	146.0	139.7	136.2	133.3
77.5°	114.3	115.0	106.5	105.8	105.1
80°	84.0	85.4	76.9	79.0	78.3
82.5°	57.1	55.7	52.2	52.2	51.5
85°	31.0	31.0	30.3	30.3	29.6
87.5°	12.0	12.7	14.1	15.5	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)