

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: P218299

Luminaire Tested: **4SNLED-LD5-20SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-20SL-LW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2003.0 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

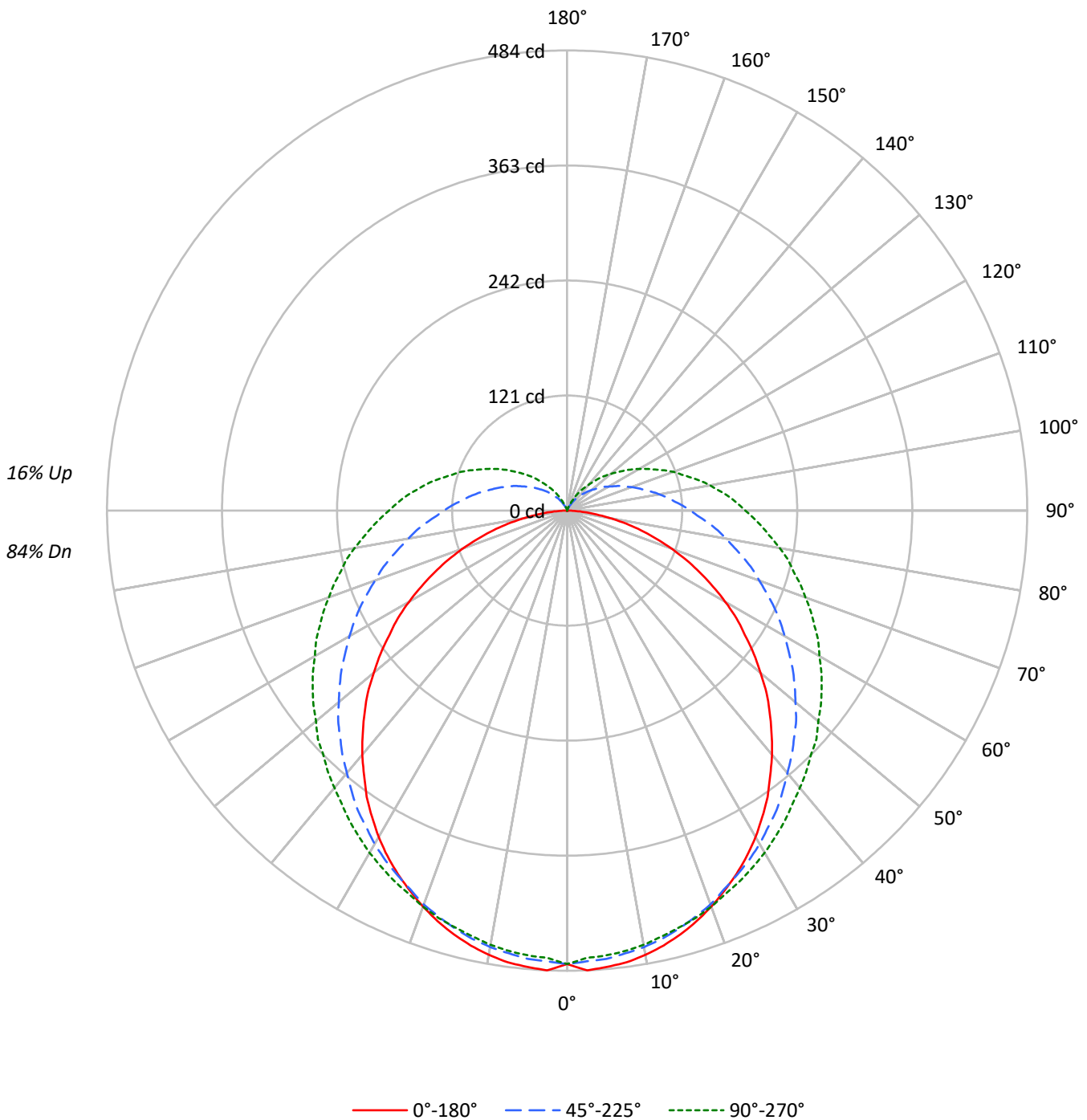
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	65
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7685	7685	7685
5°	7763	7192	6986
10°	7707	6750	6450
15°	7610	6343	5974
20°	7488	5962	5573
25°	7353	5595	5215
30°	7202	5284	4902
35°	7026	4989	4614
40°	6812	4685	4355
45°	6595	4430	4134
50°	6340	4185	3944
55°	6050	3963	3780
60°	5776	3743	3613
65°	5382	3552	3481
70°	4924	3350	3353
75°	4336	3192	3241
80°	3421	3036	3157
85°	2253	2924	3073



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	2.3
10°-20°	129.2	6.4
20°-30°	196.3	9.8
30°-40°	240.2	12.0
40°-50°	259.4	13.0
50°-60°	254.6	12.7
60°-70°	229.4	11.5
70°-80°	189.9	9.5
80°-90°	146.1	7.3
90°-100°	110.1	5.5
100°-110°	81.0	4.0
110°-120°	55.9	2.8
120°-130°	35.4	1.8
130°-140°	19.6	1.0
140°-150°	8.5	0.4
150°-160°	2.1	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	370.6	18.5
0°-40°	610.9	30.5
0°-60°	1124.9	56.2
0°-90°	1690.2	84.4
90°-120°	247.0	12.3
90°-150°	310.6	15.5
90°-180°	313.0	15.6
0°-180°	2003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	477	477	477	477	477	
5°	482	479	473	473	470	46
15°	461	460	455	458	454	130
25°	422	422	423	431	430	194
35°	368	371	384	396	399	230
45°	302	315	338	358	363	233
55°	228	254	290	318	327	205
65°	154	189	240	276	287	153
75°	80	128	192	233	246	85
85°	18	79	149	193	207	21
90°	0	61	130	174	187	1
95°	1	48	113	156	171	0
105°	0	30	84	122	134	0
115°	0	19	61	92	102	0
125°	0	12	42	66	73	0
135°	0	7	26	43	48	0
145°	0	2	13	24	26	0
155°	0	1	4	7	8	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	476.9	476.9	476.9	476.9	476.9
2.5°	484.1	480.5	474.5	474.5	470.9
5°	481.7	479.3	473.3	473.3	469.7
7.5°	479.3	476.9	469.7	470.9	467.3
10°	474.5	472.1	466.1	467.3	463.7
12.5°	468.5	466.1	461.3	462.5	458.9
15°	461.3	460.1	455.3	457.7	454.1
17.5°	452.9	451.7	448.1	451.7	449.3
20°	443.3	443.3	440.9	445.7	443.3
22.5°	432.5	432.5	431.3	438.5	436.1
25°	421.6	421.6	422.8	431.3	430.1
27.5°	409.6	410.8	414.4	424.0	422.8
30°	396.4	398.8	404.8	415.6	415.6
32.5°	382.0	384.4	394.0	407.2	407.2
35°	367.6	371.2	384.4	396.4	398.8
37.5°	350.8	356.8	372.4	386.8	389.2
40°	335.2	343.6	360.4	377.2	380.8
42.5°	318.3	329.1	349.6	368.8	372.4
45°	301.5	314.7	337.6	358.0	362.8
47.5°	284.7	299.1	326.7	348.4	355.6
50°	265.5	283.5	313.5	338.8	344.8
52.5°	247.5	267.9	301.5	327.9	336.4
55°	228.2	253.5	289.5	318.3	326.7
57.5°	211.4	236.6	276.3	308.7	317.1
60°	192.2	219.8	264.3	296.7	306.3
62.5°	173.0	205.4	252.3	287.1	297.9
65°	153.8	188.6	240.3	276.3	287.1
67.5°	135.7	173.0	227.0	265.5	277.5
70°	116.5	157.4	215.0	254.7	266.7
72.5°	98.5	142.9	204.2	243.9	257.1
75°	80.5	128.5	192.2	233.0	246.3
77.5°	63.7	115.3	180.2	223.4	237.8
80°	45.6	102.1	169.4	212.6	227.0
82.5°	31.2	90.1	159.8	203.0	216.2
85°	18.0	79.3	149.0	193.4	206.6
87.5°	7.2	69.7	138.1	182.6	197.0
90°	0.0	61.3	129.7	174.2	187.4
92.5°	0.0	54.1	121.3	164.6	179.0
95°	1.2	48.1	112.9	156.2	170.6
97.5°	0.0	42.0	105.7	147.8	161.0
100°	0.0	38.4	98.5	139.3	152.6
102.5°	0.0	33.6	91.3	130.9	144.2
105°	0.0	30.0	84.1	122.5	134.5
107.5°	0.0	27.6	78.1	115.3	126.1
110°	0.0	24.0	72.1	108.1	118.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.6	66.1	99.7	110.5
115°	0.0	19.2	61.3	92.5	102.1
117.5°	0.0	18.0	55.3	85.3	94.9
120°	0.0	15.6	50.5	79.3	87.7
122.5°	0.0	14.4	46.8	72.1	80.5
125°	0.0	12.0	42.0	66.1	73.3
127.5°	0.0	10.8	37.2	60.1	66.1
130°	0.0	9.6	33.6	54.1	60.1
132.5°	0.0	8.4	30.0	48.1	54.1
135°	0.0	7.2	26.4	43.2	48.1
137.5°	0.0	6.0	22.8	37.2	42.0
140°	0.0	4.8	19.2	32.4	36.0
142.5°	0.0	3.6	16.8	27.6	31.2
145°	0.0	2.4	13.2	24.0	26.4
147.5°	0.0	2.4	10.8	19.2	21.6
150°	0.0	1.2	7.2	15.6	16.8
152.5°	0.0	1.2	6.0	12.0	12.0
155°	0.0	1.2	3.6	7.2	8.4
157.5°	0.0	0.0	2.4	4.8	4.8
160°	0.0	0.0	1.2	2.4	3.6
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)