

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: P217940

Luminaire Tested: **4SNLED-LD5-24SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217940
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-LD5-24SL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2437.0 lumens
Efficiency: N/A
Efficacy: 152.3 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

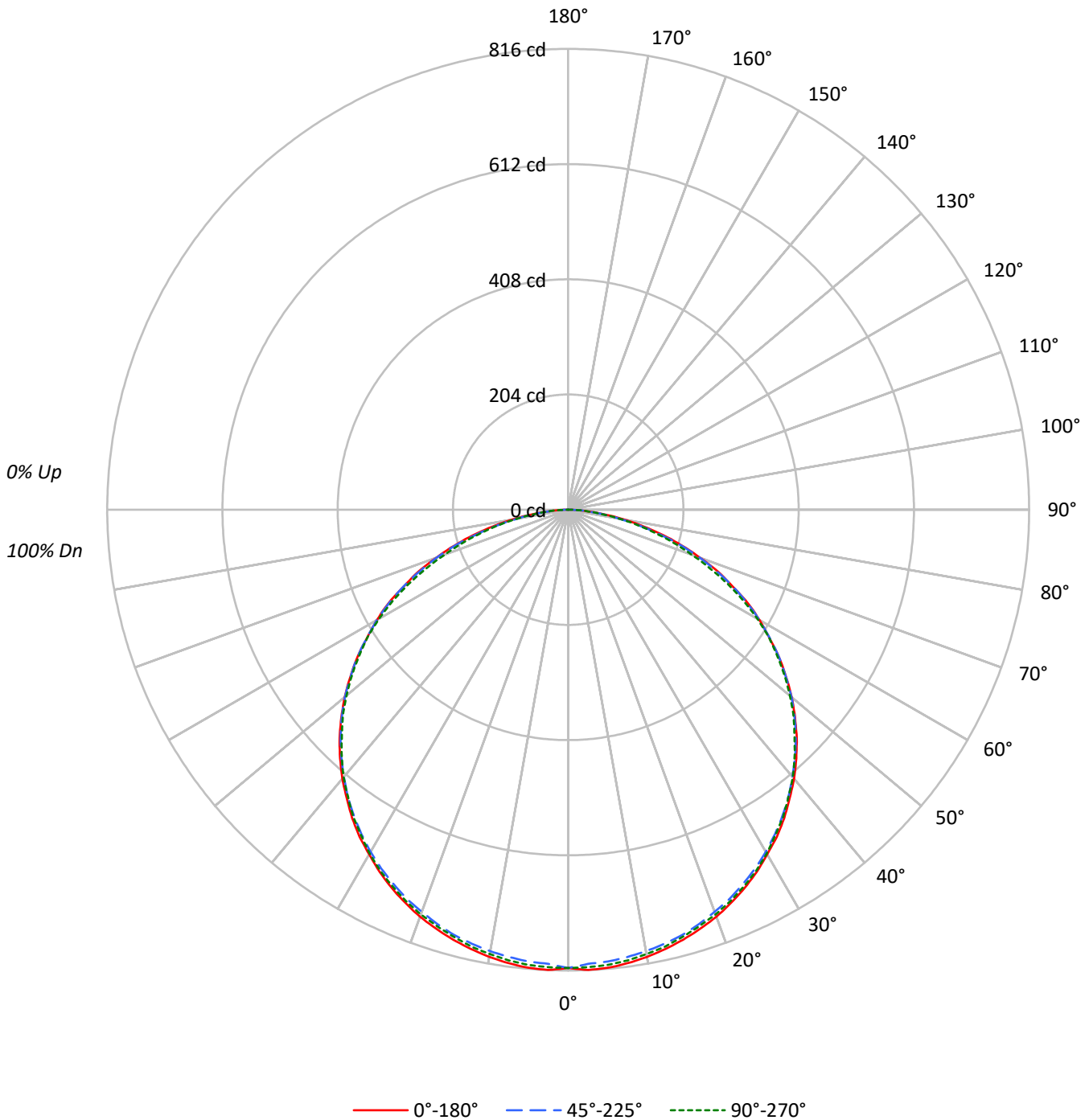
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13078	13078	13078
5°	13122	12205	12034
10°	13059	11497	11114
15°	13000	10862	10302
20°	12955	10246	9589
25°	12890	9682	8922
30°	12802	9132	8291
35°	12742	8586	7674
40°	12641	8031	7075
45°	12519	7476	6454
50°	12337	6886	5861
55°	12090	6243	5226
60°	11754	5538	4563
65°	11237	4759	3781
70°	10507	3847	2924
75°	9400	2772	2096
80°	7525	1647	1302
85°	4643	711	527



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	3.2
10°-20°	221.4	9.1
20°-30°	339.3	13.9
30°-40°	415.2	17.0
40°-50°	439.4	18.0
50°-60°	406.4	16.7
60°-70°	315.6	12.9
70°-80°	177.8	7.3
80°-90°	45.0	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°	637.6	26.2
0°-40°	1052.8	43.2
0°-60°	1898.7	77.9
0°-90°	2437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2437.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	812	812	812	812	812	
5°	814	811	803	811	809	77
15°	788	786	780	786	783	223
25°	739	737	732	738	736	341
35°	667	664	662	663	663	417
45°	572	571	570	569	566	441
55°	456	458	456	454	452	407
65°	321	324	322	318	312	319
75°	174	174	167	163	159	184
85°	37	37	36	36	35	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	811.6	811.6	811.6	811.6	811.6
2.5°	815.8	812.5	804.9	812.5	810.8
5°	814.2	810.8	803.2	810.8	809.1
7.5°	809.9	807.4	799.0	806.6	804.9
10°	804.0	801.5	793.9	801.5	799.0
12.5°	796.5	793.9	787.2	793.9	792.2
15°	788.0	785.5	779.6	786.3	783.0
17.5°	777.9	776.2	769.5	776.2	772.9
20°	767.0	763.6	757.7	764.4	762.7
22.5°	753.5	751.8	745.9	751.8	750.1
25°	739.1	736.6	731.6	737.5	735.8
27.5°	723.1	721.4	716.4	720.6	720.6
30°	704.6	703.7	699.5	703.7	702.9
32.5°	686.9	685.2	681.0	684.4	682.7
35°	666.7	664.1	661.6	663.3	663.3
37.5°	643.9	643.1	640.5	643.1	640.5
40°	622.0	620.3	617.8	618.6	618.6
42.5°	597.6	596.7	594.2	594.2	593.3
45°	572.3	571.4	569.7	568.9	566.4
47.5°	544.5	543.6	543.6	542.8	541.1
50°	516.6	516.6	515.8	513.3	512.4
52.5°	486.3	488.0	485.5	483.8	482.9
55°	456.0	457.6	456.0	454.3	451.7
57.5°	422.2	425.6	423.1	422.2	421.4
60°	391.1	392.7	391.1	388.5	386.8
62.5°	359.0	359.0	356.5	354.8	349.8
65°	321.1	323.6	322.0	317.7	311.8
67.5°	287.4	285.7	284.0	279.0	272.2
70°	248.6	249.5	246.9	239.4	232.6
72.5°	211.5	213.2	208.2	198.1	196.4
75°	174.5	174.5	166.9	162.7	159.3
77.5°	136.5	137.4	127.3	126.4	125.6
80°	100.3	102.0	91.9	94.4	93.6
82.5°	68.3	66.6	62.4	62.4	61.5
85°	37.1	37.1	36.2	36.2	35.4
87.5°	14.3	15.2	16.9	18.5	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)