

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: P217924

Luminaire Tested: **2SNLED-LD5-24SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217924
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: 2SNLED-LD5-24SL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2412.0 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

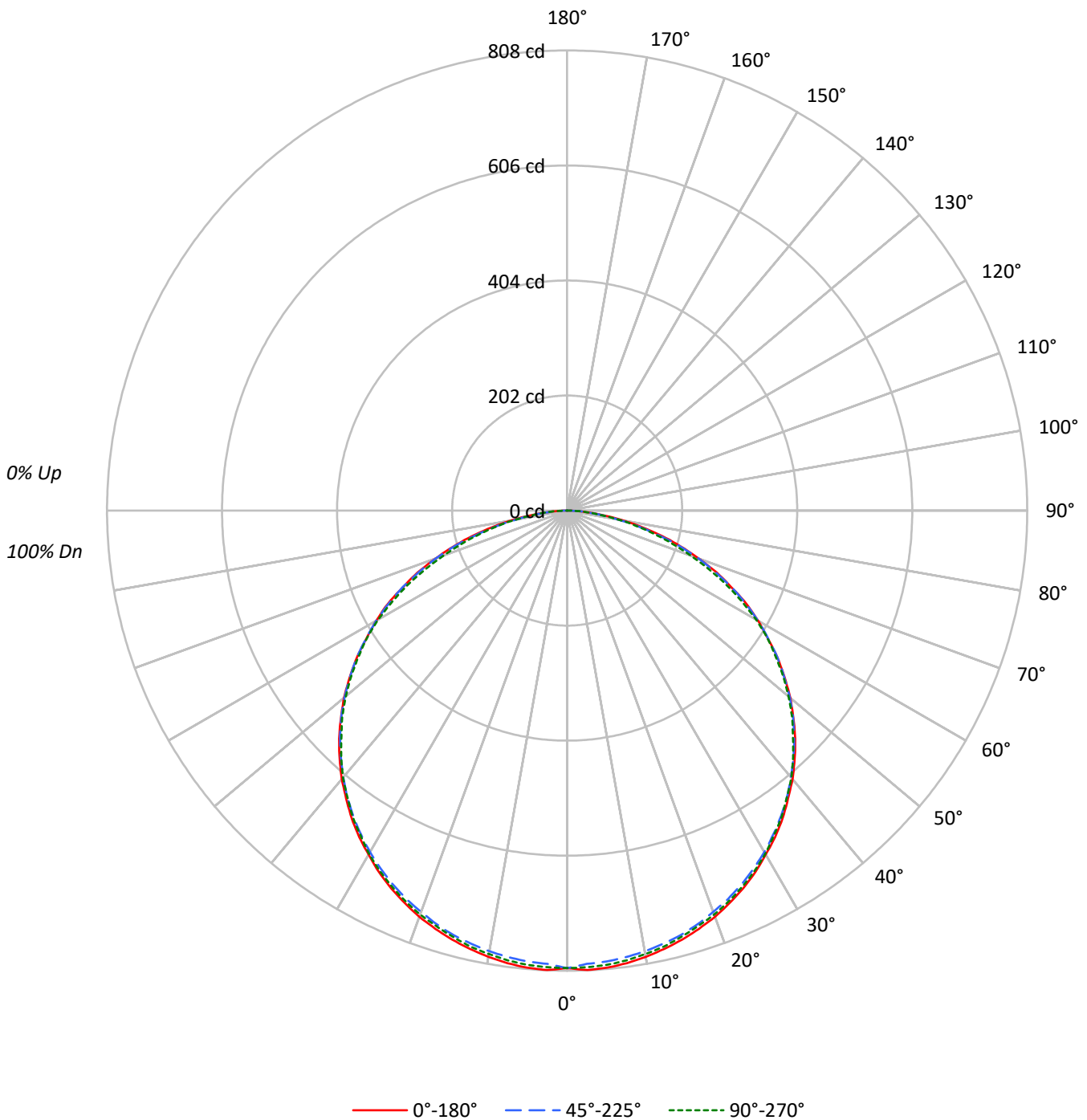
Input Watts (W): 17.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	25888	25888	25888
5°	25879	24103	23822
10°	25664	22654	21999
15°	25451	21359	20390
20°	25266	20110	18981
25°	25040	18971	17659
30°	24759	17864	16413
35°	24524	16767	15191
40°	24202	15656	14006
45°	23825	14552	12775
50°	23315	13379	11602
55°	22655	12108	10346
60°	21798	10722	9033
65°	20554	9192	7484
70°	18862	7417	5788
75°	16395	5330	4150
80°	12507	3156	2576
85°	6943	1361	1041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	3.2
10°-20°	219.2	9.1
20°-30°	335.8	13.9
30°-40°	411.0	17.0
40°-50°	434.9	18.0
50°-60°	402.2	16.7
60°-70°	312.4	12.9
70°-80°	175.9	7.3
80°-90°	44.5	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°	631.1	26.2
0°-40°	1042.1	43.2
0°-60°	1879.2	77.9
0°-90°	2412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2412.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	803	803	803	803	803	
5°	806	802	795	802	801	77
15°	780	777	772	778	775	220
25°	732	729	724	730	728	337
35°	660	657	655	656	656	413
45°	566	566	564	563	561	436
55°	451	453	451	450	447	403
65°	318	320	319	314	309	315
75°	173	173	165	161	158	182
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°	803.3	803.3	803.3	803.3	803.3
2.5°	807.5	804.1	796.6	804.1	802.5
5°	805.8	802.5	795.0	802.5	800.8
7.5°	801.6	799.1	790.8	798.3	796.6
10°	795.8	793.3	785.8	793.3	790.8
12.5°	788.3	785.8	779.1	785.8	784.1
15°	779.9	777.4	771.6	778.3	774.9
17.5°	769.9	768.3	761.6	768.3	764.9
20°	759.1	755.7	749.9	756.6	754.9
22.5°	745.7	744.1	738.2	744.1	742.4
25°	731.6	729.1	724.1	729.9	728.2
27.5°	715.7	714.0	709.0	713.2	713.2
30°	697.4	696.5	692.4	696.5	695.7
32.5°	679.8	678.2	674.0	677.3	675.7
35°	659.8	657.3	654.8	656.5	656.5
37.5°	637.3	636.5	634.0	636.5	634.0
40°	615.6	613.9	611.4	612.3	612.3
42.5°	591.4	590.6	588.1	588.1	587.2
45°	566.4	565.6	563.9	563.1	560.6
47.5°	538.9	538.0	538.0	537.2	535.5
50°	511.3	511.3	510.5	508.0	507.2
52.5°	481.3	483.0	480.5	478.8	478.0
55°	451.3	452.9	451.3	449.6	447.1
57.5°	417.9	421.3	418.7	417.9	417.1
60°	387.1	388.7	387.1	384.5	382.9
62.5°	355.4	355.4	352.9	351.2	346.2
65°	317.8	320.3	318.6	314.5	308.6
67.5°	284.4	282.8	281.1	276.1	269.4
70°	246.1	246.9	244.4	236.9	230.2
72.5°	209.4	211.0	206.0	196.0	194.4
75°	172.7	172.7	165.2	161.0	157.7
77.5°	135.1	136.0	126.0	125.1	124.3
80°	99.3	100.9	90.9	93.4	92.6
82.5°	67.6	65.9	61.7	61.7	60.9
85°	36.7	36.7	35.9	35.9	35.0
87.5°	14.2	15.0	16.7	18.4	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)