

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: P218429

Luminaire Tested: **4SNLED-LD5-31SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-31SL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3227.1 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

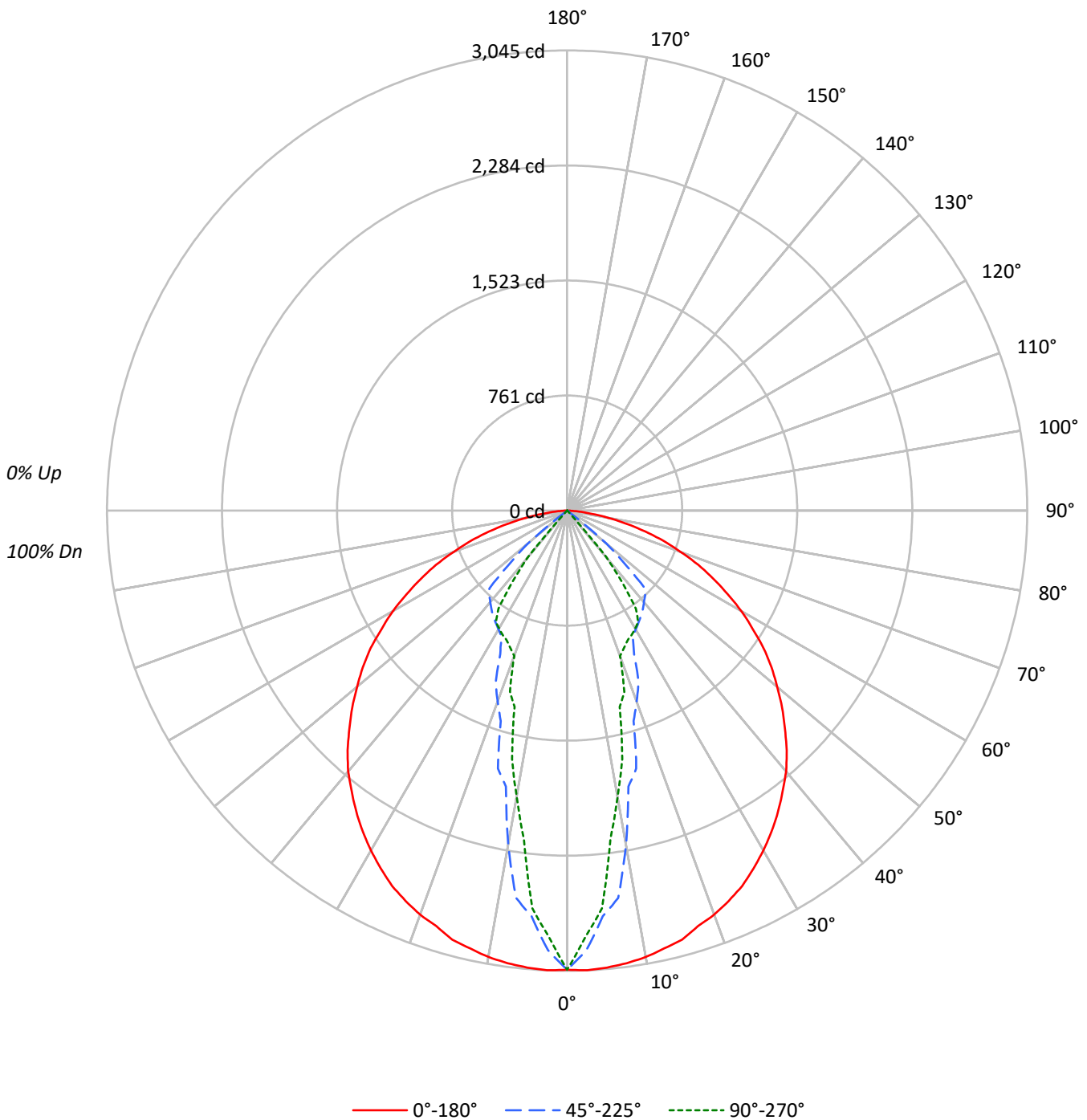
Input Watts (W): 22.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	48960	48960	48960
5°	48918	40956	39300
10°	48718	32480	26729
15°	48480	24621	17689
20°	48055	18159	12864
25°	47794	13870	11480
30°	47184	11851	10616
35°	46504	11052	9167
40°	45804	10280	4602
45°	44559	9558	18
50°	43319	4539	0
55°	42097	149	0
60°	40032	110	0
65°	37336	46	0
70°	33753	25	0
75°	28732	27	21
80°	20596	29	22
85°	9950	31	24



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.8	7.8
10°-20°	540.5	16.8
20°-30°	644.9	20.0
30°-40°	686.1	21.3
40°-50°	501.3	15.5
50°-60°	320.2	9.9
60°-70°	192.8	6.0
70°-80°	75.2	2.3
80°-90°	15.3	0.5
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°	1436.2	44.5
0°-40°	2122.3	65.8
0°-60°	2943.8	91.2
0°-90°	3227.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3227.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3038	3038	3038	3038	3038	
5°	3035	2887	2695	2647	2642	289
15°	2939	2506	1767	1377	1344	828
25°	2740	1747	1048	955	947	1261
35°	2433	1154	852	852	792	1522
45°	2037	747	728	3	2	1574
55°	1588	590	11	2	0	1414
65°	1067	240	3	2	0	1056
75°	533	12	2	2	2	563
85°	80	2	2	2	2	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3038.4	3038.4	3038.4	3038.4	3038.4
2.5°	3044.6	3024.3	2912.0	2865.2	2820.0
5°	3035.3	2887.1	2695.2	2646.9	2642.2
7.5°	3021.2	2748.3	2586.1	2308.4	2191.4
10°	2999.4	2657.8	2242.9	2009.0	1921.6
12.5°	2968.2	2523.7	1870.1	1736.0	1684.5
15°	2938.6	2506.5	1767.2	1377.3	1344.5
17.5°	2882.4	2157.1	1459.9	1294.6	1257.2
20°	2845.0	1998.0	1342.9	1123.0	1023.2
22.5°	2795.1	1904.4	1235.3	1021.6	982.6
25°	2740.5	1746.9	1048.1	954.6	946.8
27.5°	2670.3	1536.3	939.0	929.6	926.5
30°	2597.0	1303.9	907.8	904.7	900.0
32.5°	2517.4	1211.9	879.7	879.7	875.0
35°	2433.2	1154.2	851.6	851.6	792.3
37.5°	2342.7	1080.9	823.5	823.5	595.8
40°	2253.8	926.5	790.8	549.0	402.4
42.5°	2150.9	800.1	762.7	383.7	3.1
45°	2037.0	747.1	728.4	3.1	1.6
47.5°	1929.4	709.7	496.0	1.6	0.0
50°	1814.0	669.1	340.0	1.6	0.0
52.5°	1704.8	631.7	15.6	1.6	0.0
55°	1587.8	589.6	10.9	1.6	0.0
57.5°	1455.2	549.0	9.4	1.6	0.0
60°	1332.0	505.4	7.8	1.6	0.0
62.5°	1196.3	428.9	4.7	1.6	0.0
65°	1066.9	240.2	3.1	1.6	0.0
67.5°	939.0	39.0	3.1	1.6	0.0
70°	798.6	26.5	1.6	1.6	0.0
72.5°	669.1	20.3	1.6	1.6	1.6
75°	533.4	12.5	1.6	1.6	1.6
77.5°	399.3	7.8	1.6	1.6	1.6
80°	274.5	4.7	1.6	1.6	1.6
82.5°	165.3	1.6	1.6	1.6	1.6
85°	79.5	1.6	1.6	1.6	1.6
87.5°	25.0	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)