

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: P218553

Luminaire Tested: **4SNLED-LD5-21SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-21SL-RW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2336.0 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

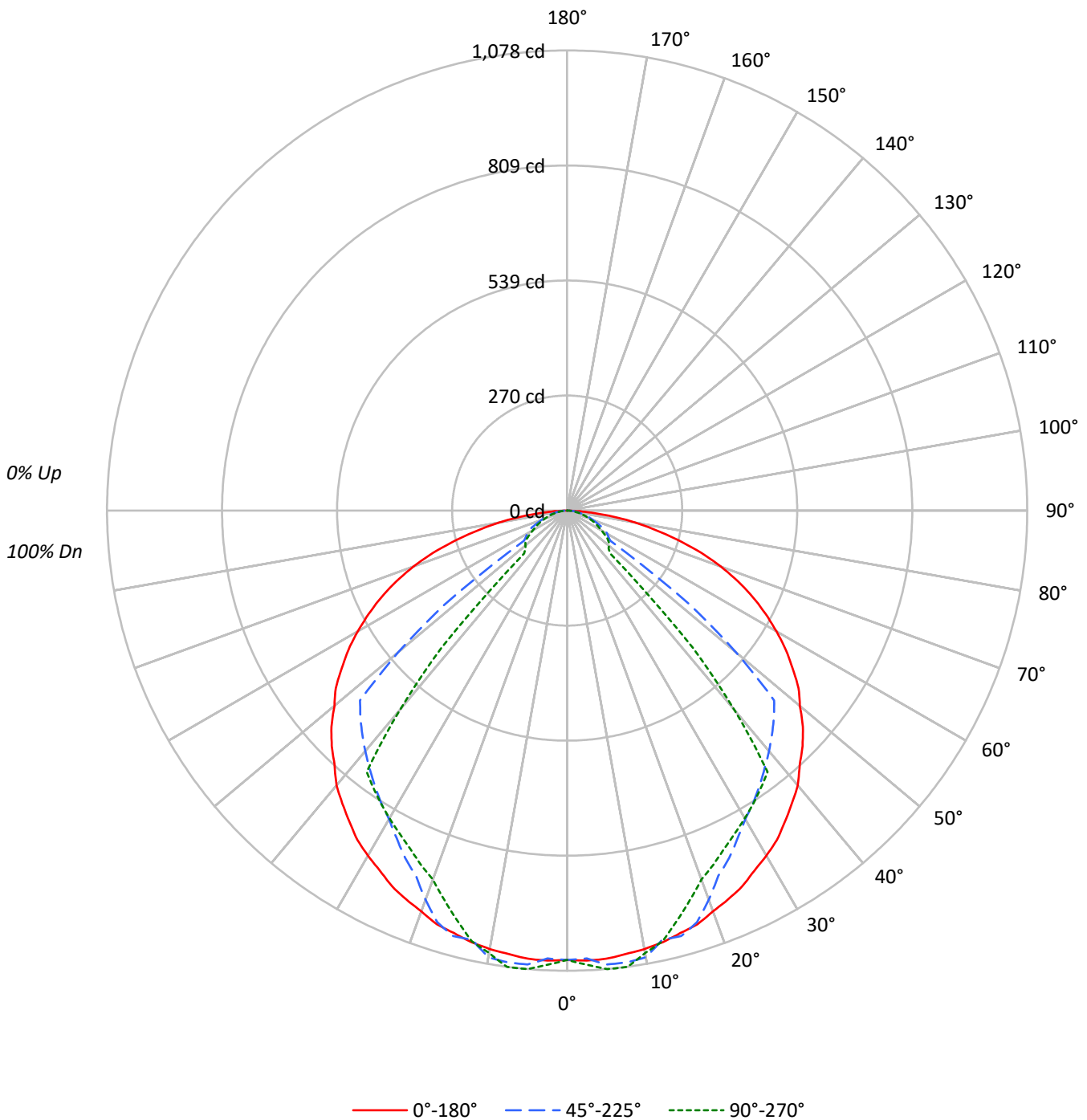
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16963	16963	16963
5°	16987	16220	16039
10°	16941	15386	14643
15°	16905	14378	13082
20°	16876	13115	11565
25°	16936	11884	10578
30°	16957	10895	9817
35°	17000	10199	9163
40°	17085	9566	6982
45°	17058	8986	1625
50°	16993	6880	1463
55°	17090	1685	1340
60°	17029	1535	1092
65°	16801	1296	901
70°	16171	1006	704
75°	14571	749	513
80°	12065	502	323
85°	7172	287	144



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	4.4
10°-20°	288.1	12.3
20°-30°	424.3	18.2
30°-40°	510.7	21.9
40°-50°	437.4	18.7
50°-60°	283.0	12.1
60°-70°	188.1	8.1
70°-80°	80.3	3.4
80°-90°	22.4	1.0
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°	814.0	34.8
0°-40°	1324.7	56.7
0°-60°	2045.2	87.5
0°-90°	2336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2336.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1053	1053	1053	1053	1053	
5°	1054	1058	1067	1080	1078	100
15°	1025	1053	1032	1010	994	290
25°	971	977	898	878	872	447
35°	890	855	786	792	792	557
45°	780	693	685	418	143	601
55°	645	547	123	117	116	576
65°	480	345	88	76	74	473
75°	270	63	45	40	39	287
85°	57	17	15	11	10	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1052.7	1052.7	1052.7	1052.7	1052.7
2.5°	1055.2	1051.5	1050.3	1063.7	1064.9
5°	1054.0	1057.6	1067.4	1079.5	1078.3
7.5°	1047.9	1060.1	1067.4	1085.6	1078.3
10°	1043.0	1064.9	1062.5	1063.7	1052.7
12.5°	1035.7	1056.4	1029.6	1047.9	1033.2
15°	1024.7	1052.7	1032.0	1010.1	994.3
17.5°	1016.2	1045.4	1011.3	958.9	956.5
20°	999.1	1015.0	969.9	932.1	919.9
22.5°	985.7	1004.0	926.0	900.4	896.8
25°	971.1	977.2	898.0	878.5	872.4
27.5°	950.4	962.6	865.1	855.4	851.7
30°	933.3	933.3	834.6	834.6	832.2
32.5°	915.1	894.3	811.5	812.7	812.7
35°	889.5	855.4	785.9	792.0	792.0
37.5°	865.1	807.8	760.3	770.1	771.3
40°	840.7	771.3	735.9	746.9	610.4
42.5°	806.6	731.1	710.4	575.1	435.0
45°	779.8	693.3	684.8	417.9	142.6
47.5°	749.3	656.7	658.0	132.8	131.6
50°	711.6	619.0	515.4	125.5	127.9
52.5°	683.5	584.9	363.1	121.8	123.1
55°	644.6	547.1	123.1	117.0	115.8
57.5°	608.0	511.7	114.5	108.4	103.6
60°	566.6	474.0	108.4	96.3	92.6
62.5°	523.9	436.2	99.9	85.3	82.9
65°	480.1	344.8	87.7	75.5	74.3
67.5°	433.8	226.6	74.3	67.0	65.8
70°	382.6	88.9	64.6	58.5	56.0
72.5°	329.0	76.8	54.8	50.0	47.5
75°	270.5	63.4	45.1	40.2	39.0
77.5°	215.7	47.5	36.6	31.7	30.5
80°	160.8	35.3	28.0	24.4	23.2
82.5°	109.7	25.6	20.7	17.1	15.8
85°	57.3	17.1	14.6	11.0	9.7
87.5°	21.9	11.0	8.5	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)