

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: P218440

Luminaire Tested: **4SNLED-LD5-42SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218440
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-LD5-42SL-RM-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4213.9 lumens
Efficiency: N/A
Efficacy: 137.7 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

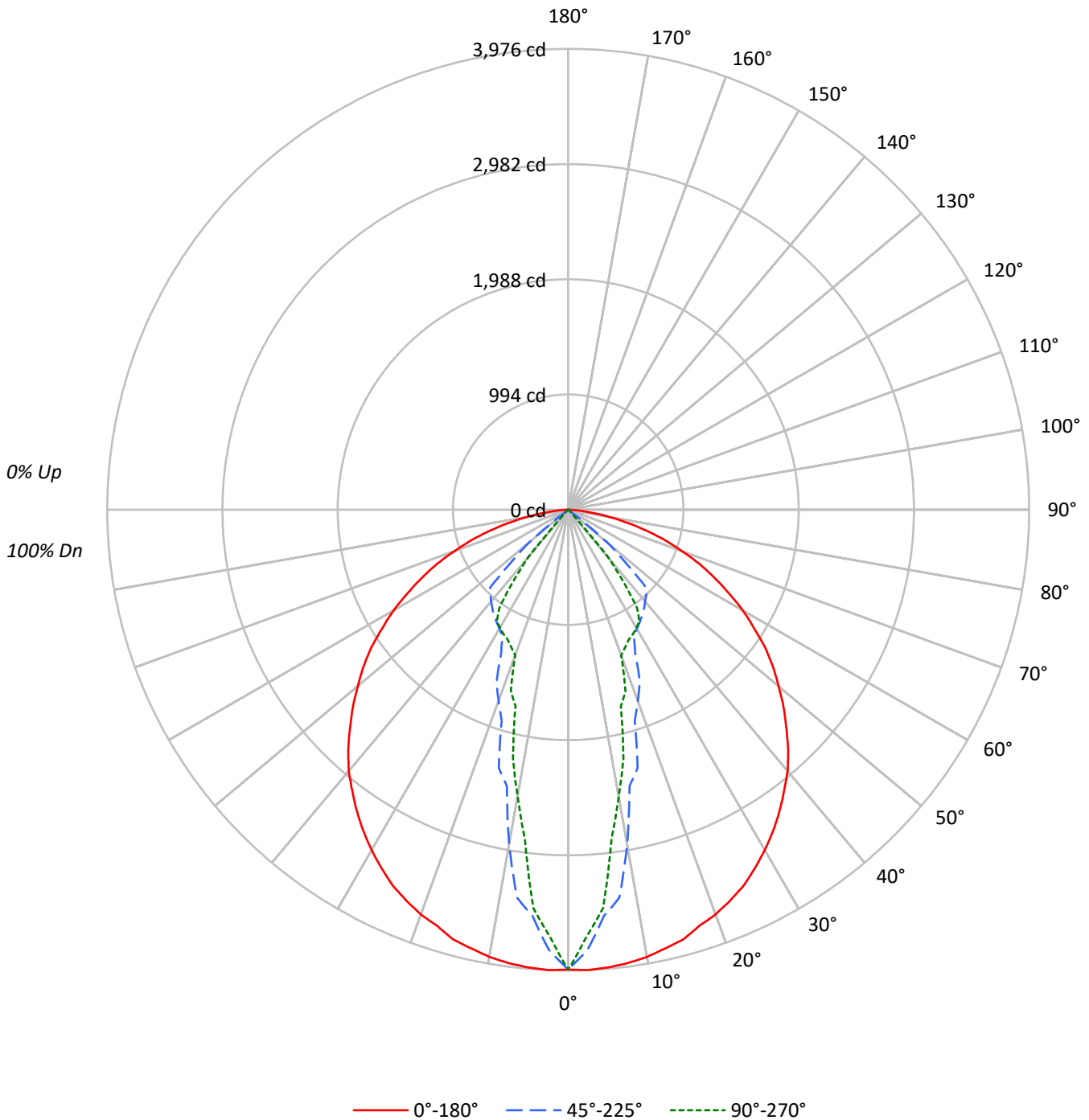
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	63934	63934	63934
5°	63879	53483	51319
10°	63619	42414	34903
15°	63306	32151	23099
20°	62752	23714	16797
25°	62412	18113	14991
30°	61615	15475	13863
35°	60728	14432	11971
40°	59814	13425	6010
45°	58189	12482	23
50°	56567	5927	0
55°	54974	196	0
60°	52276	144	0
65°	48755	61	0
70°	44074	31	0
75°	37523	33	26
80°	26898	36	28
85°	13004	39	30



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.4	7.8
10°-20°	705.9	16.8
20°-30°	842.1	20.0
30°-40°	896.0	21.3
40°-50°	654.7	15.5
50°-60°	418.1	9.9
60°-70°	251.7	6.0
70°-80°	98.1	2.3
80°-90°	19.9	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°	1875.4	44.5
0°-40°	2771.4	65.8
0°-60°	3844.2	91.2
0°-90°	4213.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4213.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3968	3968	3968	3968	3968	
5°	3964	3770	3520	3456	3450	377
15°	3837	3273	2308	1798	1756	1081
25°	3579	2281	1369	1246	1236	1647
35°	3177	1507	1112	1112	1035	1988
45°	2660	976	951	4	2	2055
55°	2074	770	14	2	0	1846
65°	1393	314	4	2	0	1379
75°	697	16	2	2	2	736
85°	104	2	2	2	2	145
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3967.7	3967.7	3967.7	3967.7	3967.7
2.5°	3975.8	3949.4	3802.7	3741.6	3682.5
5°	3963.6	3770.1	3519.6	3456.5	3450.3
7.5°	3945.3	3588.8	3377.0	3014.5	2861.7
10°	3916.8	3470.7	2928.9	2623.4	2509.3
12.5°	3876.0	3295.5	2442.1	2267.0	2199.7
15°	3837.3	3273.1	2307.7	1798.5	1755.7
17.5°	3764.0	2816.9	1906.4	1690.5	1641.7
20°	3715.1	2609.1	1753.7	1466.5	1336.1
22.5°	3649.9	2486.9	1613.1	1334.1	1283.2
25°	3578.7	2281.2	1368.7	1246.5	1236.3
27.5°	3487.0	2006.3	1226.2	1213.9	1209.9
30°	3391.3	1702.8	1185.4	1181.3	1175.2
32.5°	3287.4	1582.6	1148.8	1148.8	1142.6
35°	3177.4	1507.2	1112.1	1112.1	1034.7
37.5°	3059.3	1411.5	1075.4	1075.4	778.1
40°	2943.2	1209.9	1032.7	717.0	525.5
42.5°	2808.8	1044.9	996.0	501.1	4.1
45°	2660.1	975.6	951.2	4.1	2.0
47.5°	2519.5	926.7	647.7	2.0	0.0
50°	2368.8	873.8	444.0	2.0	0.0
52.5°	2226.2	824.9	20.4	2.0	0.0
55°	2073.5	769.9	14.3	2.0	0.0
57.5°	1900.3	717.0	12.2	2.0	0.0
60°	1739.4	659.9	10.2	2.0	0.0
62.5°	1562.2	560.1	6.1	2.0	0.0
65°	1393.2	313.7	4.1	2.0	0.0
67.5°	1226.2	50.9	4.1	2.0	0.0
70°	1042.8	34.6	2.0	2.0	0.0
72.5°	873.8	26.5	2.0	2.0	2.0
75°	696.6	16.3	2.0	2.0	2.0
77.5°	521.4	10.2	2.0	2.0	2.0
80°	358.5	6.1	2.0	2.0	2.0
82.5°	215.9	2.0	2.0	2.0	2.0
85°	103.9	2.0	2.0	2.0	2.0
87.5°	32.6	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)