

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: P217951

Luminaire Tested: **4SNLED-LD5-36SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217951
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-LD5-36SL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3435.0 lumens
Efficiency: N/A
Efficacy: 138.0 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

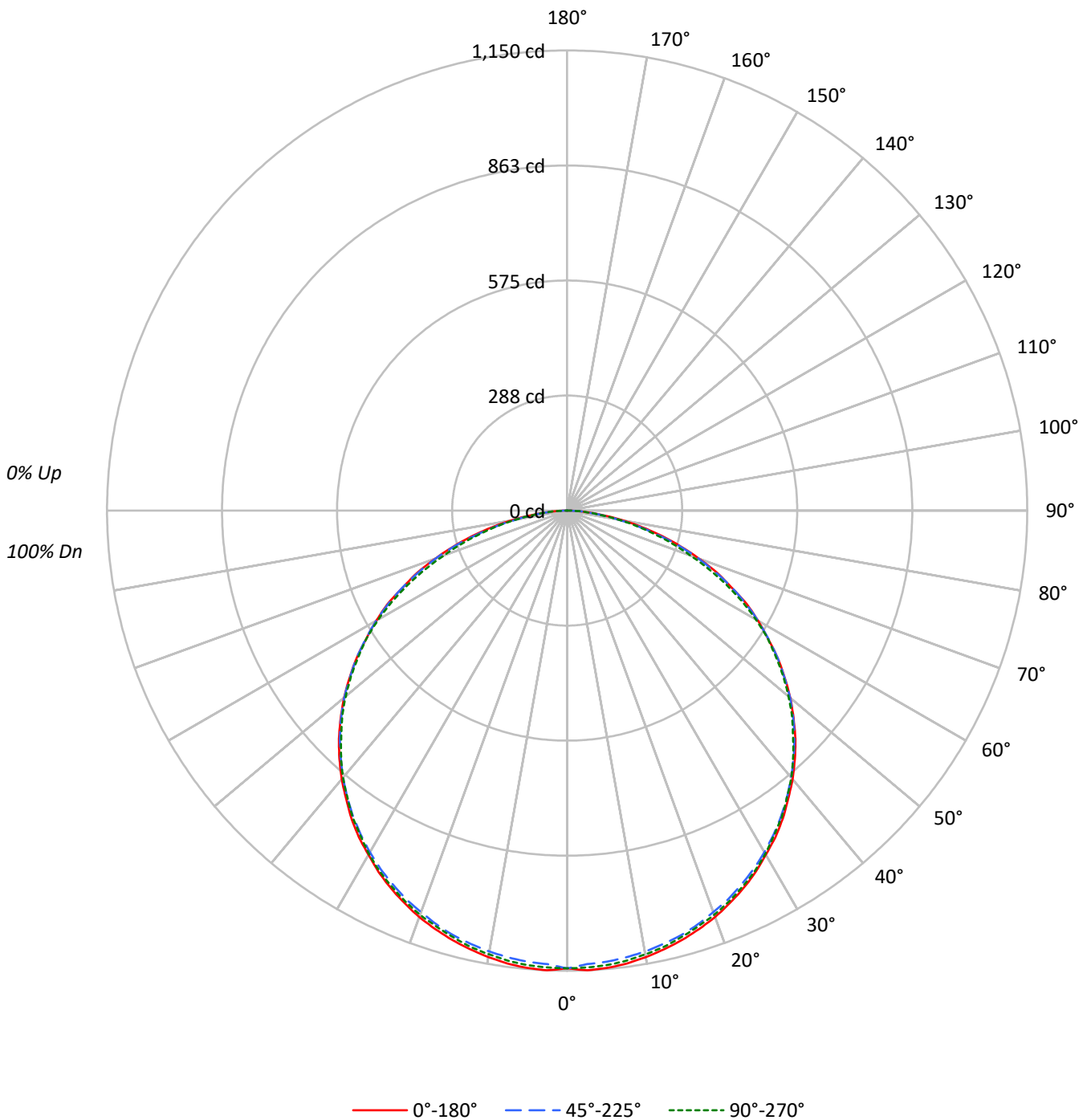
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18434	18434	18434
5°	18495	17203	16962
10°	18408	16206	15665
15°	18324	15310	14520
20°	18259	14442	13516
25°	18169	13645	12575
30°	18043	12872	11687
35°	17960	12101	10817
40°	17817	11320	9974
45°	17644	10538	9096
50°	17390	9705	8261
55°	17040	8799	7367
60°	16566	7805	6432
65°	15839	6707	5329
70°	14810	5424	4122
75°	13246	3906	2954
80°	10609	2321	1835
85°	6546	1003	742



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	3.2
10°-20°	312.1	9.1
20°-30°	478.2	13.9
30°-40°	585.3	17.0
40°-50°	619.4	18.0
50°-60°	572.9	16.7
60°-70°	444.8	12.9
70°-80°	250.6	7.3
80°-90°	63.4	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°	898.7	26.2
0°-40°	1484.0	43.2
0°-60°	2676.3	77.9
0°-90°	3435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3435.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1148	1143	1132	1143	1140	109
15°	1111	1107	1099	1108	1104	314
25°	1042	1038	1031	1040	1037	480
35°	940	936	932	935	935	588
45°	807	805	803	802	798	622
55°	643	645	643	640	637	573
65°	453	456	454	448	440	449
75°	246	246	235	229	224	259
85°	52	52	51	51	50	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1144.0	1144.0	1144.0	1144.0	1144.0
2.5°	1149.9	1145.2	1134.5	1145.2	1142.8
5°	1147.6	1142.8	1132.1	1142.8	1140.4
7.5°	1141.6	1138.1	1126.2	1136.9	1134.5
10°	1133.3	1129.7	1119.1	1129.7	1126.2
12.5°	1122.6	1119.1	1109.5	1119.1	1116.7
15°	1110.7	1107.2	1098.9	1108.4	1103.6
17.5°	1096.5	1094.1	1084.6	1094.1	1089.4
20°	1081.0	1076.3	1068.0	1077.5	1075.1
22.5°	1062.0	1059.7	1051.3	1059.7	1057.3
25°	1041.8	1038.3	1031.1	1039.5	1037.1
27.5°	1019.3	1016.9	1009.8	1015.7	1015.7
30°	993.1	991.9	986.0	991.9	990.8
32.5°	968.2	965.8	959.9	964.6	962.2
35°	939.7	936.1	932.5	934.9	934.9
37.5°	907.6	906.4	902.8	906.4	902.8
40°	876.7	874.3	870.8	872.0	872.0
42.5°	842.3	841.1	837.5	837.5	836.3
45°	806.6	805.4	803.1	801.9	798.3
47.5°	767.4	766.2	766.2	765.0	762.7
50°	728.2	728.2	727.0	723.5	722.3
52.5°	685.4	687.8	684.3	681.9	680.7
55°	642.7	645.1	642.7	640.3	636.7
57.5°	595.2	599.9	596.4	595.2	594.0
60°	551.2	553.6	551.2	547.6	545.3
62.5°	506.1	506.1	502.5	500.1	493.0
65°	452.6	456.2	453.8	447.9	439.5
67.5°	405.1	402.7	400.3	393.2	383.7
70°	350.4	351.6	348.1	337.4	327.9
72.5°	298.2	300.6	293.4	279.2	276.8
75°	245.9	245.9	235.2	229.3	224.5
77.5°	192.4	193.6	179.4	178.2	177.0
80°	141.4	143.7	129.5	133.1	131.9
82.5°	96.2	93.8	87.9	87.9	86.7
85°	52.3	52.3	51.1	51.1	49.9
87.5°	20.2	21.4	23.8	26.1	24.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)