

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: P217958

Luminaire Tested: **4SNLED-LD5-40SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217958
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-LD5-40SL-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4418.0 lumens
Efficiency: N/A
Efficacy: 159.5 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

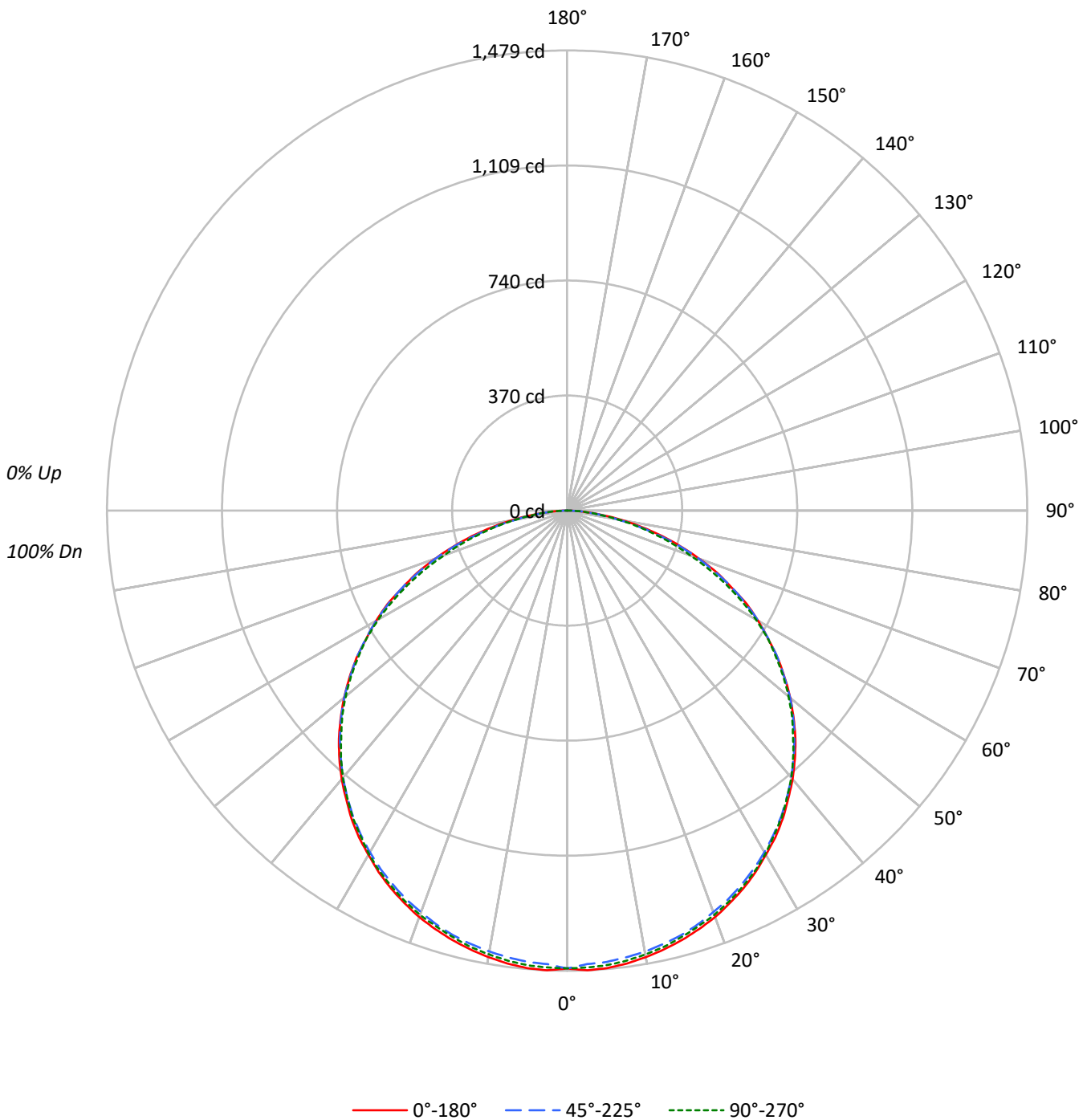
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23710	23710	23710
5°	23788	22127	21817
10°	23675	20843	20148
15°	23568	19690	18675
20°	23485	18574	17385
25°	23369	17551	16174
30°	23207	16556	15032
35°	23099	15565	13913
40°	22916	14560	12827
45°	22695	13554	11699
50°	22366	12483	10626
55°	21915	11317	9476
60°	21308	10040	8273
65°	20371	8627	6854
70°	19049	6975	5302
75°	17038	5023	3800
80°	13640	2984	2359
85°	8411	1290	955



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	3.2
10°-20°	401.4	9.1
20°-30°	615.0	13.9
30°-40°	752.8	17.0
40°-50°	796.6	18.0
50°-60°	736.8	16.7
60°-70°	572.1	12.9
70°-80°	322.3	7.3
80°-90°	81.5	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°	1155.9	26.2
0°-40°	1908.7	43.2
0°-60°	3442.1	77.9
0°-90°	4418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4418.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1471	1471	1471	1471	1471	
5°	1476	1470	1456	1470	1467	140
15°	1429	1424	1413	1426	1419	403
25°	1340	1335	1326	1337	1334	618
35°	1209	1204	1199	1202	1202	756
45°	1038	1036	1033	1031	1027	800
55°	827	830	827	824	819	737
65°	582	587	584	576	565	578
75°	316	316	302	295	289	333
85°	67	67	66	66	64	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1471.4	1471.4	1471.4	1471.4	1471.4
2.5°	1479.0	1472.9	1459.2	1472.9	1469.9
5°	1476.0	1469.9	1456.1	1469.9	1466.8
7.5°	1468.3	1463.7	1448.5	1462.2	1459.2
10°	1457.6	1453.0	1439.3	1453.0	1448.5
12.5°	1443.9	1439.3	1427.1	1439.3	1436.2
15°	1428.6	1424.0	1413.3	1425.5	1419.4
17.5°	1410.3	1407.2	1395.0	1407.2	1401.1
20°	1390.4	1384.3	1373.6	1385.8	1382.8
22.5°	1366.0	1362.9	1352.2	1362.9	1359.8
25°	1340.0	1335.4	1326.2	1336.9	1333.9
27.5°	1310.9	1307.9	1298.7	1306.4	1306.4
30°	1277.3	1275.8	1268.2	1275.8	1274.3
32.5°	1245.2	1242.2	1234.6	1240.7	1237.6
35°	1208.6	1204.0	1199.4	1202.5	1202.5
37.5°	1167.3	1165.8	1161.2	1165.8	1161.2
40°	1127.6	1124.5	1120.0	1121.5	1121.5
42.5°	1083.3	1081.8	1077.2	1077.2	1075.6
45°	1037.5	1035.9	1032.9	1031.3	1026.8
47.5°	987.0	985.5	985.5	984.0	980.9
50°	936.6	936.6	935.1	930.5	929.0
52.5°	881.6	884.7	880.1	877.0	875.5
55°	826.6	829.7	826.6	823.5	819.0
57.5°	765.5	771.6	767.0	765.5	764.0
60°	709.0	712.0	709.0	704.4	701.3
62.5°	650.9	650.9	646.3	643.3	634.1
65°	582.1	586.7	583.7	576.0	565.3
67.5°	521.0	518.0	514.9	505.7	493.5
70°	450.7	452.3	447.7	433.9	421.7
72.5°	383.5	386.6	377.4	359.1	356.0
75°	316.3	316.3	302.5	294.9	288.8
77.5°	247.5	249.0	230.7	229.2	227.7
80°	181.8	184.9	166.5	171.1	169.6
82.5°	123.8	120.7	113.1	113.1	111.5
85°	67.2	67.2	65.7	65.7	64.2
87.5°	26.0	27.5	30.6	33.6	32.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)