

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: P218559

Luminaire Tested: **4SNLED-LD5-25SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218559
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-LD5-25SL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3057.0 lumens
Efficiency: N/A
Efficacy: 158.4 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

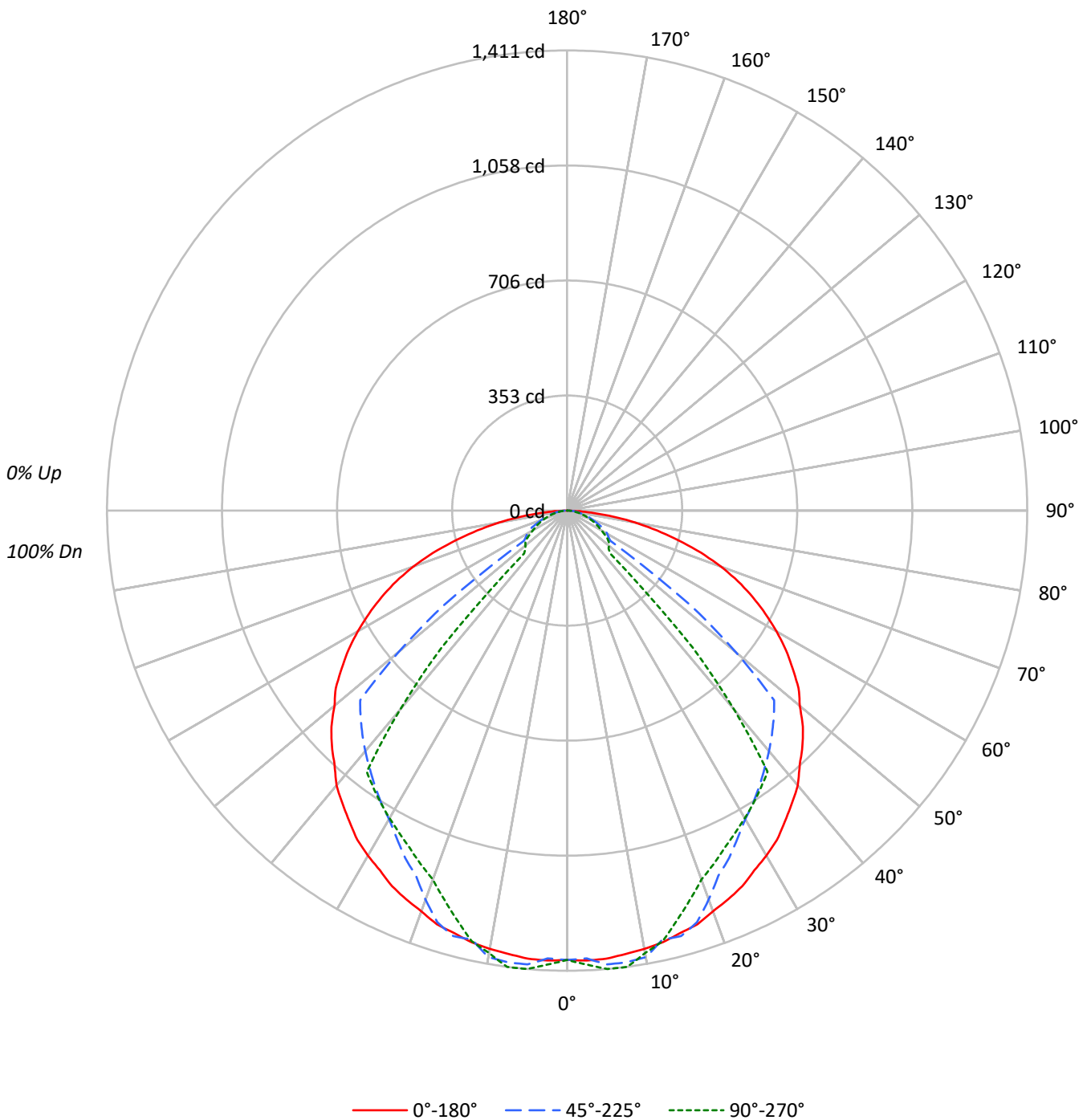
Input Watts (W): 19.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22200	22200	22200
5°	22229	21226	20989
10°	22170	20135	19163
15°	22123	18817	17118
20°	22085	17163	15135
25°	22163	15552	13843
30°	22191	14258	12847
35°	22247	13347	11991
40°	22359	12520	9137
45°	22323	11759	2126
50°	22237	9004	1915
55°	22363	2204	1753
60°	22285	2009	1430
65°	21984	1697	1180
70°	21162	1317	922
75°	19068	980	671
80°	15794	658	421
85°	9374	375	190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	4.4
10°-20°	377.0	12.3
20°-30°	555.3	18.2
30°-40°	668.3	21.9
40°-50°	572.4	18.7
50°-60°	370.4	12.1
60°-70°	246.2	8.1
70°-80°	105.0	3.4
80°-90°	29.4	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°	1065.3	34.8
0°-40°	1733.6	56.7
0°-60°	2676.4	87.5
0°-90°	3057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1378	1378	1378	1378	1378	
5°	1379	1384	1397	1413	1411	131
15°	1341	1378	1351	1322	1301	379
25°	1271	1279	1175	1150	1142	585
35°	1164	1119	1028	1036	1036	729
45°	1020	907	896	547	187	787
55°	844	716	161	153	152	754
65°	628	451	115	99	97	619
75°	354	83	59	53	51	375
85°	75	22	19	14	13	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1377.7	1377.7	1377.7	1377.7	1377.7
2.5°	1380.9	1376.1	1374.5	1392.0	1393.6
5°	1379.3	1384.0	1396.8	1412.7	1411.1
7.5°	1371.3	1387.2	1396.8	1420.7	1411.1
10°	1364.9	1393.6	1390.4	1392.0	1377.7
12.5°	1355.3	1382.4	1347.4	1371.3	1352.2
15°	1341.0	1377.7	1350.6	1321.9	1301.1
17.5°	1329.8	1368.1	1323.5	1254.9	1251.7
20°	1307.5	1328.2	1269.2	1219.8	1203.9
22.5°	1290.0	1313.9	1211.8	1178.4	1173.6
25°	1270.8	1278.8	1175.2	1149.6	1141.7
27.5°	1243.7	1259.7	1132.1	1119.4	1114.6
30°	1221.4	1221.4	1092.2	1092.2	1089.1
32.5°	1197.5	1170.4	1062.0	1063.5	1063.5
35°	1164.0	1119.4	1028.5	1036.4	1036.4
37.5°	1132.1	1057.2	995.0	1007.7	1009.3
40°	1100.2	1009.3	963.1	977.4	798.9
42.5°	1055.6	956.7	929.6	752.6	569.2
45°	1020.5	907.3	896.1	546.9	186.6
47.5°	980.6	859.4	861.0	173.8	172.2
50°	931.2	810.0	674.5	164.2	167.4
52.5°	894.5	765.4	475.2	159.5	161.0
55°	843.5	715.9	161.0	153.1	151.5
57.5°	795.7	669.7	149.9	141.9	135.5
60°	741.5	620.3	141.9	126.0	121.2
62.5°	685.6	570.8	130.8	111.6	108.4
65°	628.2	451.2	114.8	98.9	97.3
67.5°	567.6	296.6	97.3	87.7	86.1
70°	500.7	116.4	84.5	76.5	73.3
72.5°	430.5	100.5	71.8	65.4	62.2
75°	354.0	82.9	59.0	52.6	51.0
77.5°	282.2	62.2	47.8	41.5	39.9
80°	210.5	46.2	36.7	31.9	30.3
82.5°	143.5	33.5	27.1	22.3	20.7
85°	74.9	22.3	19.1	14.4	12.8
87.5°	28.7	14.4	11.2	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)