

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: P218637

Luminaire Tested: **2SNLED-LD5-25SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218637
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: 2SNLED-LD5-25SL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2920.0 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

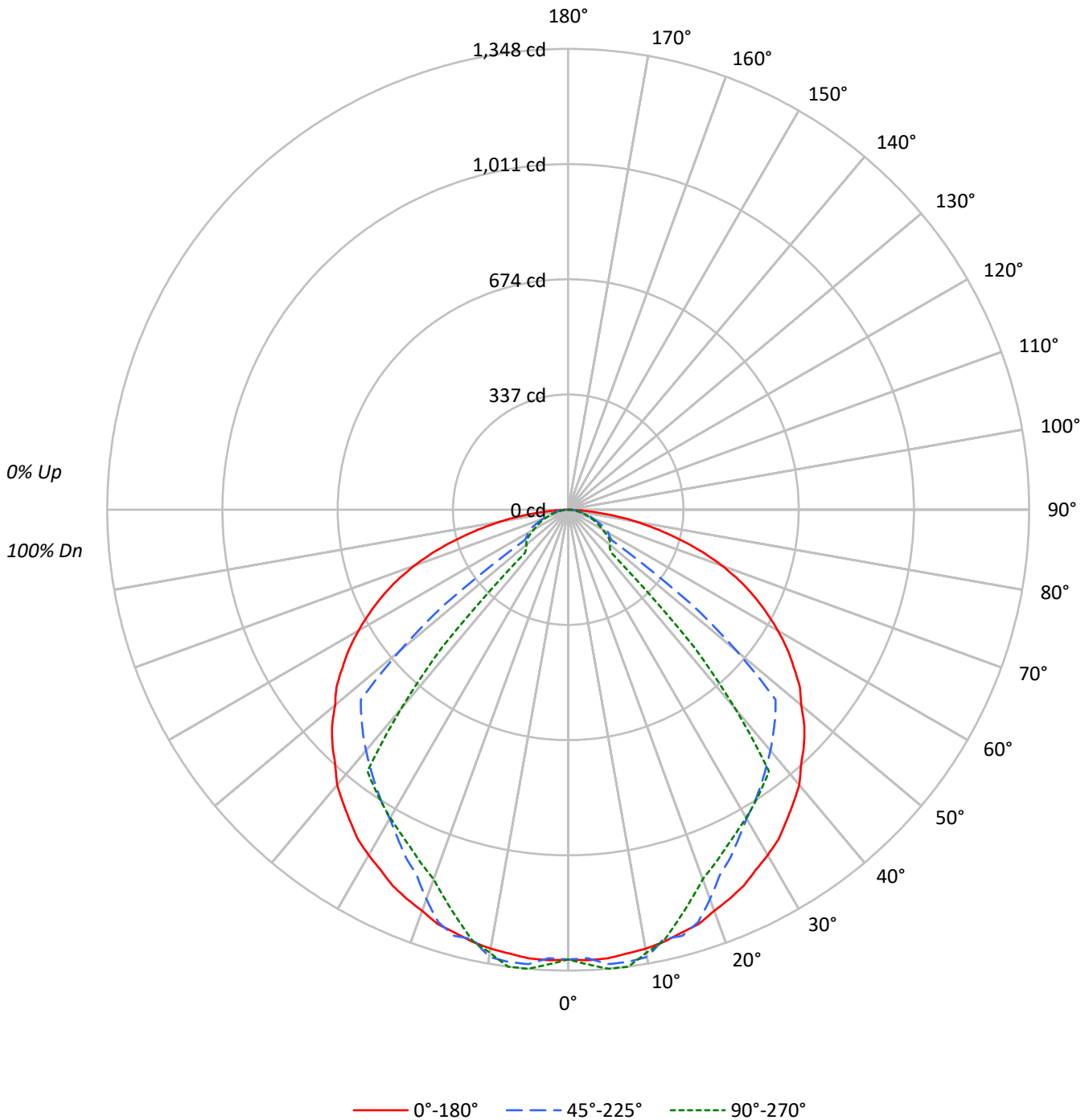
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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				
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°	42408	42408	42408
5°	42309	40451	40097
10°	42044	38289	36607
15°	41801	35709	32702
20°	41568	32513	28913
25°	41547	29408	26445
30°	41419	26918	24543
35°	41325	25155	22908
40°	41316	23556	17456
45°	41004	22089	4061
50°	40560	16886	3658
55°	40446	4126	3348
60°	39879	3756	2732
65°	38812	3165	2253
70°	36651	2449	1763
75°	32097	1820	1281
80°	25315	1215	804
85°	13546	694	363



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	4.4
10°-20°	360.1	12.3
20°-30°	530.4	18.2
30°-40°	638.4	21.9
40°-50°	546.8	18.7
50°-60°	353.8	12.1
60°-70°	235.2	8.1
70°-80°	100.3	3.4
80°-90°	28.1	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°	1017.5	34.8
0°-40°	1655.9	56.7
0°-60°	2556.5	87.5
0°-90°	2920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2920.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1316	1316	1316	1316	1316	
5°	1317	1322	1334	1349	1348	125
15°	1281	1316	1290	1263	1243	362
25°	1214	1222	1122	1098	1090	559
35°	1112	1069	982	990	990	697
45°	975	867	856	522	178	752
55°	806	684	154	146	145	720
65°	600	431	110	94	93	592
75°	338	79	56	50	49	358
85°	72	21	18	14	12	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1315.9	1315.9	1315.9	1315.9	1315.9
2.5°	1319.0	1314.4	1312.9	1329.6	1331.2
5°	1317.4	1322.0	1334.2	1349.4	1347.9
7.5°	1309.8	1325.1	1334.2	1357.0	1347.9
10°	1303.7	1331.2	1328.1	1329.6	1315.9
12.5°	1294.6	1320.5	1287.0	1309.8	1291.6
15°	1280.9	1315.9	1290.0	1262.6	1242.8
17.5°	1270.2	1306.8	1264.1	1198.6	1195.6
20°	1248.9	1268.7	1212.4	1165.1	1149.9
22.5°	1232.2	1255.0	1157.5	1125.5	1121.0
25°	1213.9	1221.5	1122.5	1098.1	1090.5
27.5°	1188.0	1203.2	1081.4	1069.2	1064.6
30°	1166.7	1166.7	1043.3	1043.3	1040.3
32.5°	1143.8	1117.9	1014.4	1015.9	1015.9
35°	1111.8	1069.2	982.4	990.0	990.0
37.5°	1081.4	1009.8	950.4	962.6	964.1
40°	1050.9	964.1	919.9	933.6	763.1
42.5°	1008.3	913.8	887.9	718.9	543.7
45°	974.8	866.6	856.0	522.4	178.2
47.5°	936.7	820.9	822.5	166.0	164.5
50°	889.5	773.7	644.3	156.9	159.9
52.5°	854.4	731.1	453.9	152.3	153.8
55°	805.7	683.9	153.8	146.2	144.7
57.5°	760.0	639.7	143.2	135.6	129.5
60°	708.2	592.5	135.6	120.3	115.8
62.5°	654.9	545.3	124.9	106.6	103.6
65°	600.1	431.0	109.7	94.4	92.9
67.5°	542.2	283.3	92.9	83.8	82.2
70°	478.2	111.2	80.7	73.1	70.1
72.5°	411.2	96.0	68.5	62.4	59.4
75°	338.1	79.2	56.4	50.3	48.7
77.5°	269.6	59.4	45.7	39.6	38.1
80°	201.0	44.2	35.0	30.5	28.9
82.5°	137.1	32.0	25.9	21.3	19.8
85°	71.6	21.3	18.3	13.7	12.2
87.5°	27.4	13.7	10.7	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)