

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: P218634

Luminaire Tested: **2SNLED-LD5-25SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218634  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2491.0 lumens  
Efficiency: N/A  
Efficacy: 123.9 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

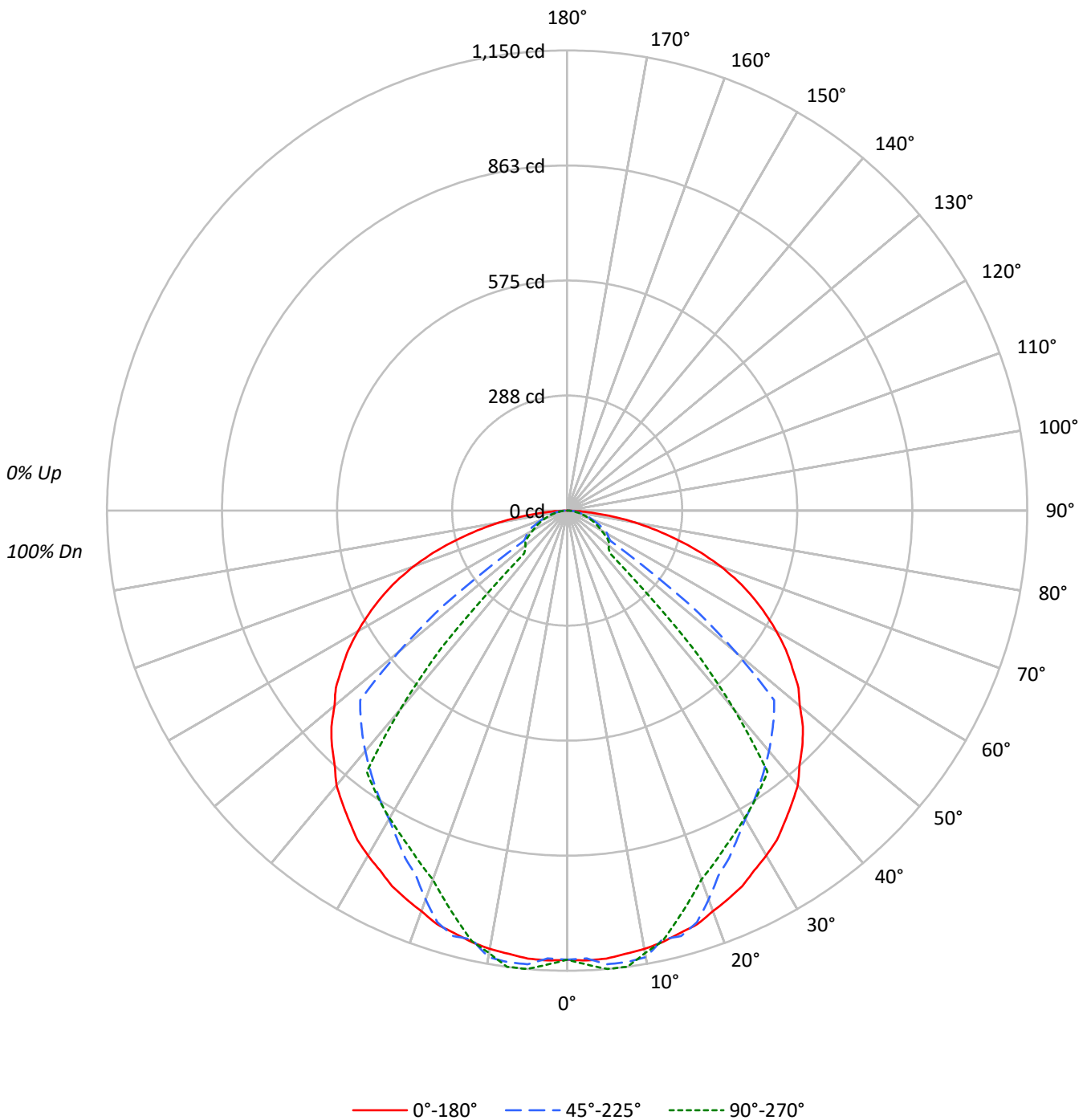
Input Watts (W): 20.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	36178	36178	36178
5°	36095	34508	34207
10°	35868	32664	31230
15°	35659	30463	27898
20°	35461	27735	24666
25°	35441	25088	22560
30°	35335	22962	20936
35°	35255	21458	19541
40°	35246	20097	14889
45°	34976	18843	3464
50°	34601	14404	3120
55°	34503	3520	2855
60°	34023	3202	2329
65°	33107	2698	1923
70°	31270	2091	1504
75°	27379	1552	1095
80°	21600	1038	687
85°	11560	591	309



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.4	4.4
10°-20°	307.2	12.3
20°-30°	452.5	18.2
30°-40°	544.6	21.9
40°-50°	466.4	18.7
50°-60°	301.8	12.1
60°-70°	200.6	8.1
70°-80°	85.6	3.4
80°-90°	23.9	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°	868.0	34.8
0°-40°	1412.6	56.7
0°-60°	2180.8	87.5
0°-90°	2491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2491.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1124	1128	1138	1151	1150	107
15°	1093	1123	1100	1077	1060	309
25°	1036	1042	958	937	930	477
35°	948	912	838	844	844	594
45°	832	739	730	446	152	641
55°	687	583	131	125	123	615
65°	512	368	94	81	79	505
75°	288	68	48	43	42	306
85°	61	18	16	12	10	78
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1122.6	1122.6	1122.6	1122.6	1122.6
2.5°	1125.2	1121.3	1120.0	1134.3	1135.6
5°	1123.9	1127.8	1138.2	1151.2	1149.9
7.5°	1117.4	1130.4	1138.2	1157.7	1149.9
10°	1112.2	1135.6	1133.0	1134.3	1122.6
12.5°	1104.4	1126.5	1097.9	1117.4	1101.8
15°	1092.7	1122.6	1100.5	1077.1	1060.2
17.5°	1083.6	1114.8	1078.4	1022.5	1019.9
20°	1065.4	1082.3	1034.2	994.0	981.0
22.5°	1051.1	1070.6	987.5	960.2	956.3
25°	1035.5	1042.0	957.6	936.8	930.3
27.5°	1013.5	1026.4	922.5	912.1	908.2
30°	995.3	995.3	890.0	890.0	887.4
32.5°	975.8	953.7	865.3	866.6	866.6
35°	948.5	912.1	838.0	844.5	844.5
37.5°	922.5	861.4	810.8	821.2	822.5
40°	896.5	822.5	784.8	796.5	650.9
42.5°	860.1	779.6	757.5	613.3	463.8
45°	831.5	739.3	730.2	445.7	152.0
47.5°	799.1	700.3	701.6	141.6	140.3
50°	758.8	660.0	549.6	133.8	136.4
52.5°	728.9	623.7	387.2	129.9	131.2
55°	687.3	583.4	131.2	124.7	123.4
57.5°	648.3	545.7	122.1	115.6	110.4
60°	604.2	505.4	115.6	102.6	98.7
62.5°	558.7	465.1	106.5	91.0	88.4
65°	511.9	367.7	93.5	80.6	79.3
67.5°	462.5	241.7	79.3	71.5	70.2
70°	408.0	94.8	68.9	62.4	59.8
72.5°	350.8	81.9	58.5	53.3	50.7
75°	288.4	67.6	48.1	42.9	41.6
77.5°	230.0	50.7	39.0	33.8	32.5
80°	171.5	37.7	29.9	26.0	24.7
82.5°	116.9	27.3	22.1	18.2	16.9
85°	61.1	18.2	15.6	11.7	10.4
87.5°	23.4	11.7	9.1	5.2	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)