

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: P218635

Luminaire Tested: **2SNLED-LD5-25SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218635  
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-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2646.0 lumens  
Efficiency: N/A  
Efficacy: 131.6 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

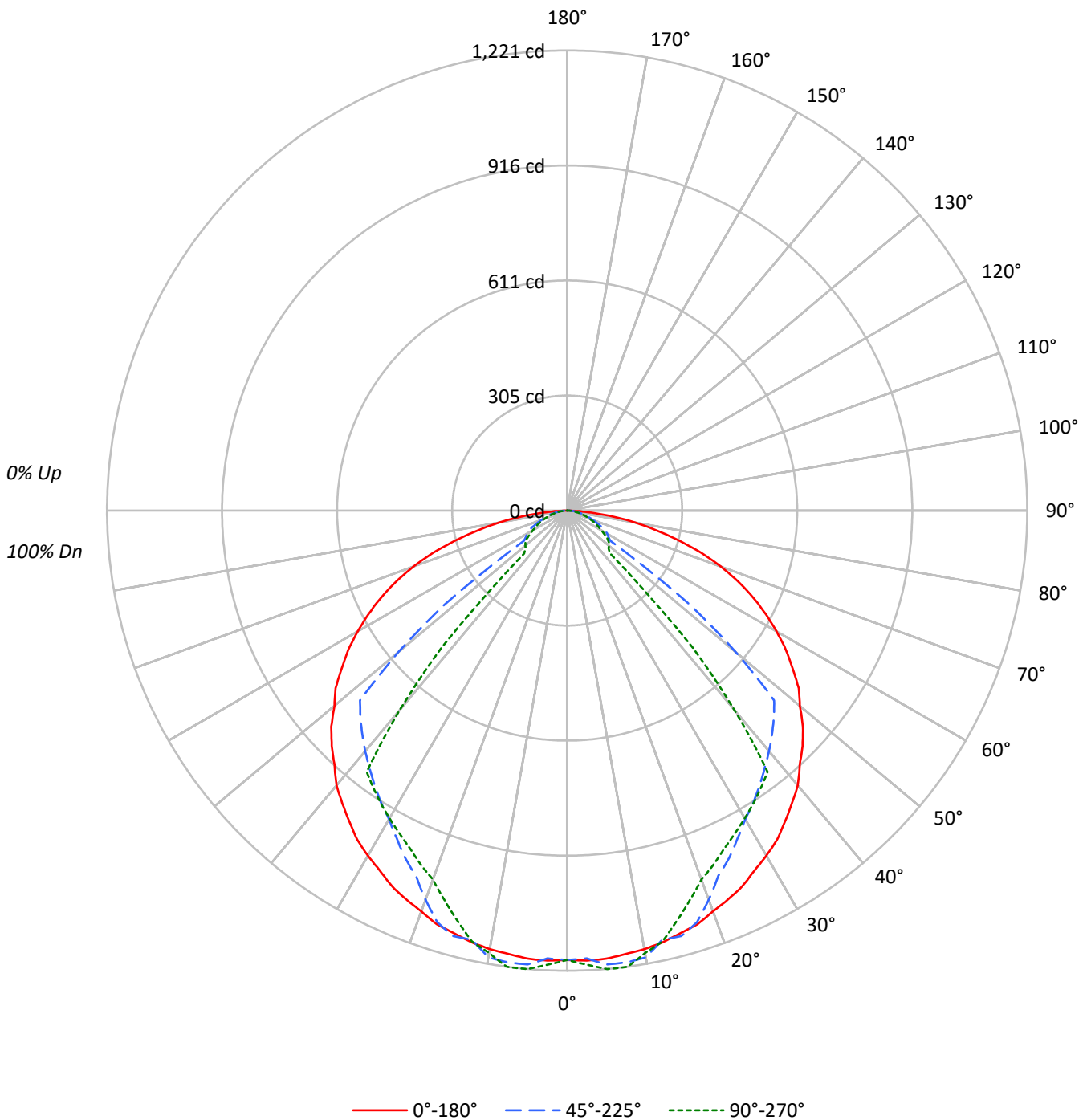
Input Watts (W): 20.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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					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°	38428	38428	38428
5°	38340	36655	36334
10°	38100	34697	33172
15°	37878	32360	29634
20°	37668	29462	26200
25°	37649	26650	23964
30°	37532	24392	22238
35°	37448	22794	20759
40°	37440	21346	15818
45°	37155	20015	3680
50°	36753	15300	3315
55°	36651	3740	3034
60°	36140	3401	2475
65°	35170	2868	2042
70°	33217	2218	1597
75°	29087	1649	1163
80°	22948	1101	729
85°	12279	629	327



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.1	4.4
10°-20°	326.3	12.3
20°-30°	480.6	18.2
30°-40°	578.5	21.9
40°-50°	495.5	18.7
50°-60°	320.6	12.1
60°-70°	213.1	8.1
70°-80°	90.9	3.4
80°-90°	25.4	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°	922.0	34.8
0°-40°	1500.5	56.7
0°-60°	2316.6	87.6
0°-90°	2646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2646.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1192	1192	1192	1192	1192	
5°	1194	1198	1209	1223	1221	113
15°	1161	1192	1169	1144	1126	328
25°	1100	1107	1017	995	988	507
35°	1008	969	890	897	897	631
45°	883	785	776	473	162	681
55°	730	620	139	132	131	653
65°	544	391	99	86	84	536
75°	306	72	51	46	44	325
85°	65	19	17	12	11	83
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1192.4	1192.4	1192.4	1192.4	1192.4
2.5°	1195.2	1191.1	1189.7	1204.9	1206.2
5°	1193.8	1198.0	1209.0	1222.8	1221.4
7.5°	1186.9	1200.7	1209.0	1229.7	1221.4
10°	1181.4	1206.2	1203.5	1204.9	1192.4
12.5°	1173.1	1196.6	1166.2	1186.9	1170.4
15°	1160.7	1192.4	1169.0	1144.1	1126.2
17.5°	1151.0	1184.2	1145.5	1086.2	1083.4
20°	1131.7	1149.7	1098.6	1055.8	1042.0
22.5°	1116.5	1137.2	1048.9	1019.9	1015.8
25°	1100.0	1106.9	1017.2	995.1	988.2
27.5°	1076.5	1090.3	979.9	968.9	964.7
30°	1057.2	1057.2	945.4	945.4	942.6
32.5°	1036.5	1013.0	919.2	920.6	920.6
35°	1007.5	968.9	890.2	897.1	897.1
37.5°	979.9	915.0	861.2	872.3	873.6
40°	952.3	873.6	833.6	846.0	691.5
42.5°	913.7	828.1	804.6	651.4	492.7
45°	883.3	785.3	775.6	473.4	161.5
47.5°	848.8	743.9	745.3	150.4	149.1
50°	806.0	701.1	583.8	142.2	144.9
52.5°	774.3	662.5	411.3	138.0	139.4
55°	730.1	619.7	139.4	132.5	131.1
57.5°	688.7	579.7	129.7	122.8	117.3
60°	641.8	536.9	122.8	109.0	104.9
62.5°	593.5	494.1	113.2	96.6	93.8
65°	543.8	390.6	99.4	85.6	84.2
67.5°	491.3	256.7	84.2	75.9	74.5
70°	433.4	100.8	73.1	66.2	63.5
72.5°	372.6	86.9	62.1	56.6	53.8
75°	306.4	71.8	51.1	45.5	44.2
77.5°	244.3	53.8	41.4	35.9	34.5
80°	182.2	40.0	31.7	27.6	26.2
82.5°	124.2	29.0	23.5	19.3	17.9
85°	64.9	19.3	16.6	12.4	11.0
87.5°	24.8	12.4	9.7	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)