

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: P218558

Luminaire Tested: **4SNLED-LD5-25SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218558  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2826.0 lumens  
Efficiency: N/A  
Efficacy: 146.4 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

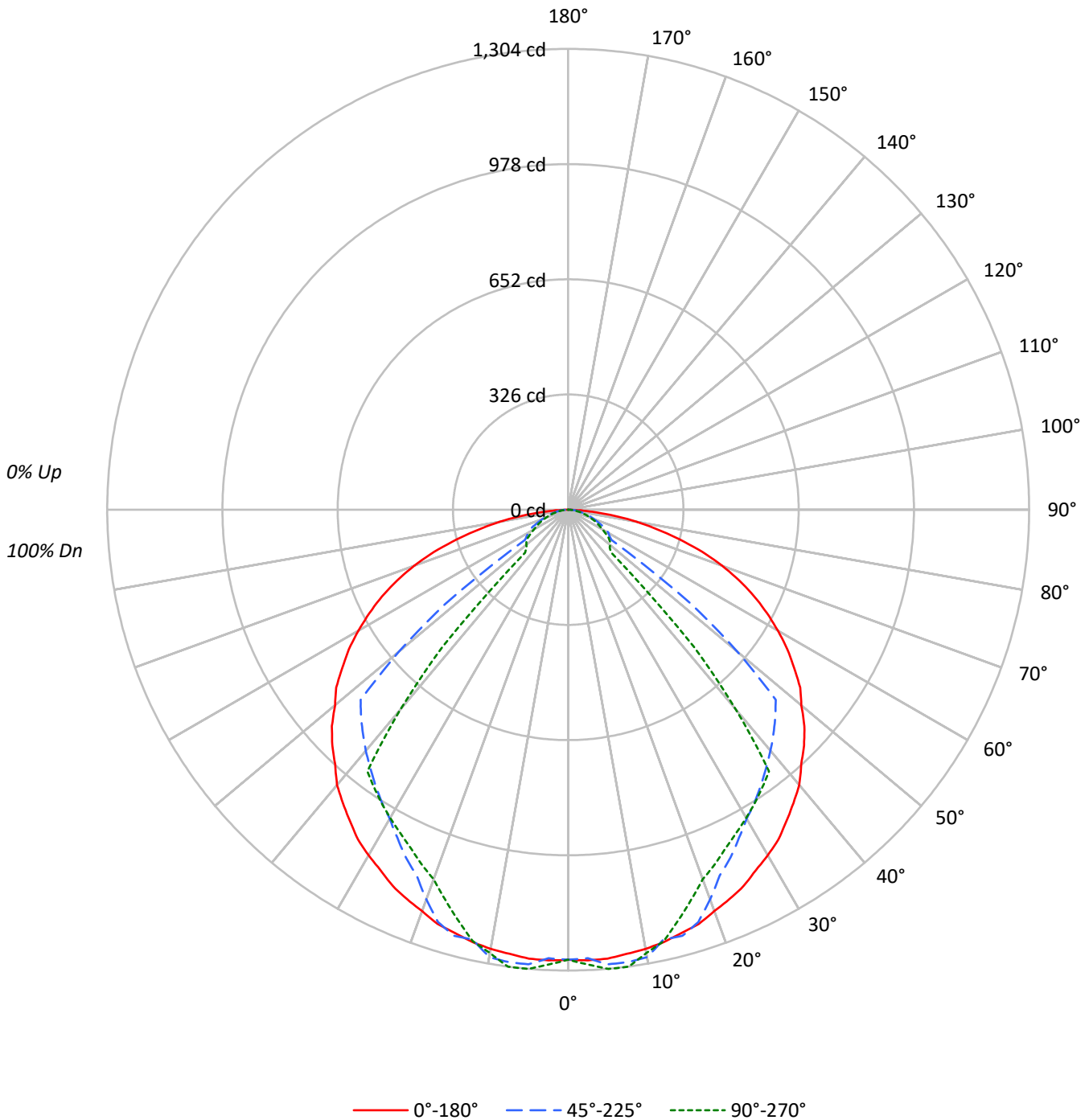
Input Watts (W): 19.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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°	20522	20522	20522
5°	20548	19622	19403
10°	20495	18614	17715
15°	20452	17394	15825
20°	20416	15866	13991
25°	20488	14377	12797
30°	20514	13181	11876
35°	20565	12338	11085
40°	20670	11574	8447
45°	20637	10870	1965
50°	20556	8323	1771
55°	20674	2039	1620
60°	20599	1858	1321
65°	20325	1568	1090
70°	19560	1217	852
75°	17625	905	621
80°	14601	608	389
85°	8673	347	176



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.9	4.4
10°-20°	348.5	12.3
20°-30°	513.3	18.2
30°-40°	617.8	21.9
40°-50°	529.2	18.7
50°-60°	342.4	12.1
60°-70°	227.6	8.1
70°-80°	97.1	3.4
80°-90°	27.2	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°	984.8	34.8
0°-40°	1602.6	56.7
0°-60°	2474.2	87.5
0°-90°	2826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2826.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1275	1280	1291	1306	1304	121
15°	1240	1274	1248	1222	1203	351
25°	1175	1182	1086	1063	1055	541
35°	1076	1035	951	958	958	674
45°	943	839	828	506	172	727
55°	780	662	149	142	140	697
65°	581	417	106	91	90	573
75°	327	77	54	49	47	347
85°	69	21	18	13	12	89
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1273.6	1273.6	1273.6	1273.6	1273.6
2.5°	1276.5	1272.1	1270.6	1286.8	1288.3
5°	1275.0	1279.5	1291.3	1306.0	1304.5
7.5°	1267.7	1282.4	1291.3	1313.4	1304.5
10°	1261.8	1288.3	1285.4	1286.8	1273.6
12.5°	1252.9	1278.0	1245.6	1267.7	1250.0
15°	1239.7	1273.6	1248.5	1222.0	1202.8
17.5°	1229.3	1264.7	1223.4	1160.1	1157.1
20°	1208.7	1227.9	1173.3	1127.6	1112.9
22.5°	1192.5	1214.6	1120.3	1089.3	1084.9
25°	1174.8	1182.2	1086.4	1062.8	1055.4
27.5°	1149.7	1164.5	1046.6	1034.8	1030.3
30°	1129.1	1129.1	1009.7	1009.7	1006.8
32.5°	1107.0	1081.9	981.7	983.2	983.2
35°	1076.0	1034.8	950.7	958.1	958.1
37.5°	1046.6	977.3	919.8	931.6	933.1
40°	1017.1	933.1	890.3	903.6	738.5
42.5°	975.8	884.4	859.4	695.7	526.2
45°	943.4	838.7	828.4	505.6	172.5
47.5°	906.5	794.5	796.0	160.7	159.2
50°	860.8	748.8	623.5	151.8	154.8
52.5°	826.9	707.5	439.3	147.4	148.9
55°	779.8	661.8	148.9	141.5	140.0
57.5°	735.5	619.1	138.6	131.2	125.3
60°	685.4	573.4	131.2	116.4	112.0
62.5°	633.8	527.7	120.9	103.2	100.2
65°	580.8	417.2	106.1	91.4	89.9
67.5°	524.8	274.2	89.9	81.1	79.6
70°	462.8	107.6	78.1	70.8	67.8
72.5°	398.0	92.9	66.3	60.4	57.5
75°	327.2	76.6	54.5	48.6	47.2
77.5°	260.9	57.5	44.2	38.3	36.9
80°	194.6	42.7	33.9	29.5	28.0
82.5°	132.7	31.0	25.1	20.6	19.2
85°	69.3	20.6	17.7	13.3	11.8
87.5°	26.5	13.3	10.3	5.9	5.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)