

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: P218554

Luminaire Tested: **4SNLED-LD5-21SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218554  
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-LD5-21SL-RW-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2383.0 lumens  
Efficiency: N/A  
Efficacy: 148.9 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

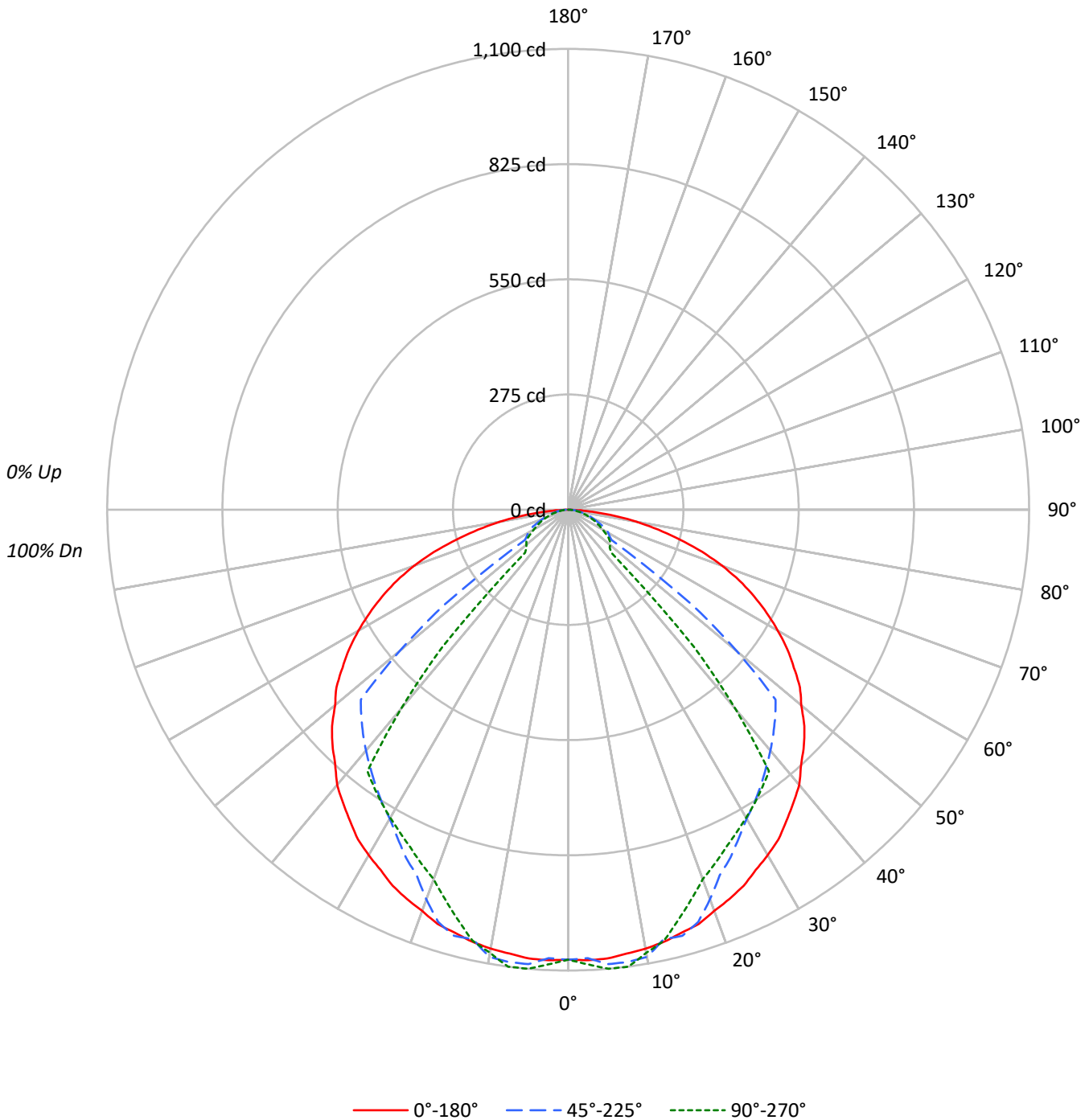
Input Watts (W): 16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	17304	17304	17304
5°	17328	16545	16361
10°	17282	15696	14938
15°	17245	14668	13345
20°	17215	13379	11798
25°	17276	12123	10792
30°	17298	11115	10014
35°	17343	10404	9347
40°	17429	9760	7122
45°	17401	9166	1657
50°	17335	7019	1493
55°	17432	1718	1366
60°	17371	1566	1115
65°	17137	1323	919
70°	16496	1027	719
75°	14861	764	524
80°	12312	513	328
85°	7309	292	147



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.7	4.4
10°-20°	293.9	12.3
20°-30°	432.8	18.2
30°-40°	521.0	21.9
40°-50°	446.2	18.7
50°-60°	288.7	12.1
60°-70°	191.9	8.1
70°-80°	81.9	3.4
80°-90°	22.9	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°	830.4	34.8
0°-40°	1351.4	56.7
0°-60°	2086.3	87.5
0°-90°	2383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2383.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1074	1074	1074	1074	1074	
5°	1075	1079	1089	1101	1100	102
15°	1045	1074	1053	1030	1014	296
25°	991	997	916	896	890	456
35°	907	873	802	808	808	569
45°	796	707	698	426	145	613
55°	658	558	126	119	118	588
65°	490	352	90	77	76	483
75°	276	65	46	41	40	292
85°	58	17	15	11	10	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1073.9	1073.9	1073.9	1073.9	1073.9
2.5°	1076.4	1072.7	1071.4	1085.1	1086.4
5°	1075.2	1078.9	1088.8	1101.3	1100.0
7.5°	1068.9	1081.4	1088.8	1107.5	1100.0
10°	1064.0	1086.4	1083.9	1085.1	1073.9
12.5°	1056.5	1077.6	1050.3	1068.9	1054.0
15°	1045.3	1073.9	1052.8	1030.4	1014.3
17.5°	1036.6	1066.5	1031.7	978.2	975.7
20°	1019.2	1035.4	989.4	950.9	938.4
22.5°	1005.6	1024.2	944.7	918.6	914.8
25°	990.6	996.9	916.1	896.2	890.0
27.5°	969.5	981.9	882.5	872.6	868.8
30°	952.1	952.1	851.4	851.4	848.9
32.5°	933.5	912.3	827.8	829.1	829.1
35°	907.4	872.6	801.7	807.9	807.9
37.5°	882.5	824.1	775.6	785.6	786.8
40°	857.6	786.8	750.8	761.9	622.7
42.5°	822.8	745.8	724.6	586.7	443.7
45°	795.5	707.2	698.5	426.3	145.4
47.5°	764.4	670.0	671.2	135.5	134.2
50°	725.9	631.4	525.8	128.0	130.5
52.5°	697.3	596.6	370.4	124.3	125.5
55°	657.5	558.1	125.5	119.3	118.1
57.5°	620.2	522.0	116.8	110.6	105.7
60°	578.0	483.5	110.6	98.2	94.5
62.5°	534.5	445.0	101.9	87.0	84.5
65°	489.7	351.8	89.5	77.1	75.8
67.5°	442.5	231.2	75.8	68.4	67.1
70°	390.3	90.7	65.9	59.7	57.2
72.5°	335.6	78.3	55.9	51.0	48.5
75°	275.9	64.6	46.0	41.0	39.8
77.5°	220.0	48.5	37.3	32.3	31.1
80°	164.1	36.0	28.6	24.9	23.6
82.5°	111.9	26.1	21.1	17.4	16.2
85°	58.4	17.4	14.9	11.2	9.9
87.5°	22.4	11.2	8.7	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)