

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: P218561

Luminaire Tested: **4SNLED-LD5-28SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218561  
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-LD5-28SL-RW-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3137.0 lumens  
Efficiency: N/A  
Efficacy: 141.9 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

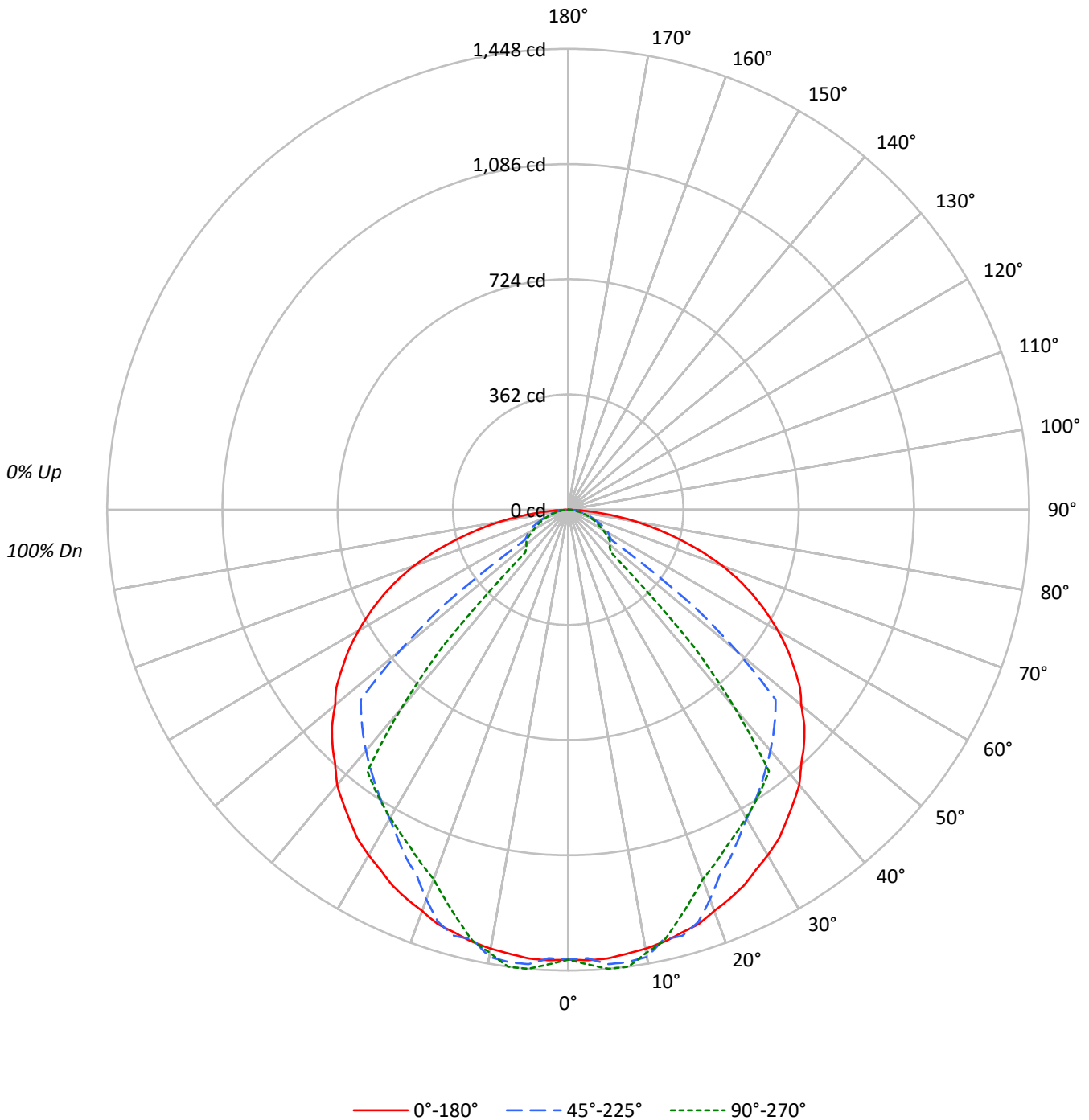
Input Watts (W): 22.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	22780	22780	22780
5°	22811	21782	21539
10°	22749	20662	19664
15°	22702	19309	17567
20°	22663	17613	15531
25°	22743	15959	14206
30°	22772	14631	13183
35°	22830	13696	12306
40°	22945	12848	9377
45°	22907	12067	2181
50°	22820	9239	1965
55°	22949	2263	1798
60°	22868	2062	1467
65°	22561	1741	1210
70°	21716	1351	947
75°	19564	1005	689
80°	16206	674	433
85°	9625	385	195



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.5	4.4
10°-20°	386.9	12.3
20°-30°	569.8	18.2
30°-40°	685.8	21.9
40°-50°	587.4	18.7
50°-60°	380.1	12.1
60°-70°	252.7	8.1
70°-80°	107.8	3.4
80°-90°	30.1	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°	1093.1	34.8
0°-40°	1779.0	56.7
0°-60°	2746.4	87.6
0°-90°	3137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3137.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1414	1414	1414	1414	1414	
5°	1415	1420	1433	1450	1448	135
15°	1376	1414	1386	1356	1335	389
25°	1304	1312	1206	1180	1172	601
35°	1194	1149	1055	1064	1064	749
45°	1047	931	920	561	191	807
55°	866	735	165	157	155	774
65°	645	463	118	101	100	636
75°	363	85	60	54	52	385
85°	77	23	20	15	13	98
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1413.7	1413.7	1413.7	1413.7	1413.7
2.5°	1417.0	1412.1	1410.4	1428.4	1430.1
5°	1415.4	1420.3	1433.4	1449.7	1448.1
7.5°	1407.2	1423.5	1433.4	1457.9	1448.1
10°	1400.6	1430.1	1426.8	1428.4	1413.7
12.5°	1390.8	1418.6	1382.6	1407.2	1387.5
15°	1376.1	1413.7	1385.9	1356.4	1335.2
17.5°	1364.6	1403.9	1358.1	1287.7	1284.5
20°	1341.7	1363.0	1302.5	1251.7	1235.4
22.5°	1323.7	1348.3	1243.5	1209.2	1204.3
25°	1304.1	1312.3	1205.9	1179.7	1171.6
27.5°	1276.3	1292.6	1161.7	1148.6	1143.7
30°	1253.4	1253.4	1120.8	1120.8	1117.6
32.5°	1228.8	1201.0	1089.7	1091.4	1091.4
35°	1194.5	1148.6	1055.4	1063.6	1063.6
37.5°	1161.7	1084.8	1021.0	1034.1	1035.7
40°	1129.0	1035.7	988.3	1003.0	819.8
42.5°	1083.2	981.7	953.9	772.3	584.1
45°	1047.2	931.0	919.6	561.2	191.4
47.5°	1006.3	881.9	883.6	178.4	176.7
50°	955.6	831.2	692.1	168.5	171.8
52.5°	917.9	785.4	487.6	163.6	165.3
55°	865.6	734.7	165.3	157.1	155.4
57.5°	816.5	687.2	153.8	145.6	139.1
60°	760.9	636.5	145.6	129.3	124.4
62.5°	703.6	585.8	134.2	114.5	111.3
65°	644.7	463.1	117.8	101.4	99.8
67.5°	582.5	304.3	99.8	90.0	88.4
70°	513.8	119.4	86.7	78.5	75.3
72.5°	441.8	103.1	73.6	67.1	63.8
75°	363.2	85.1	60.5	54.0	52.4
77.5°	289.6	63.8	49.1	42.5	40.9
80°	216.0	47.5	37.6	32.7	31.1
82.5°	147.3	34.4	27.8	22.9	21.3
85°	76.9	22.9	19.6	14.7	13.1
87.5°	29.5	14.7	11.5	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)