

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: P218563

Luminaire Tested: **4SNLED-LD5-28SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218563  
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-L850-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3461.0 lumens  
Efficiency: N/A  
Efficacy: 156.6 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

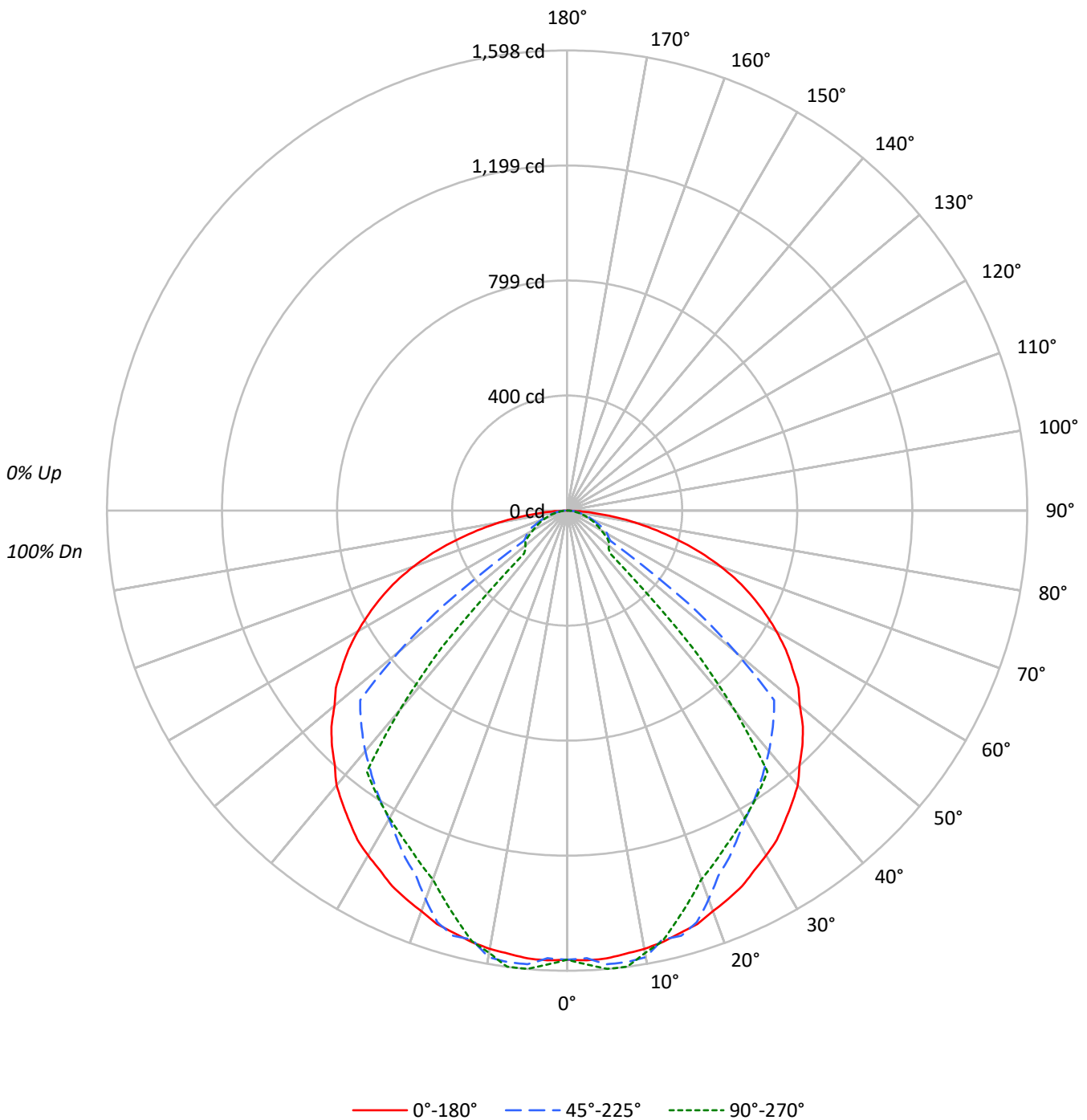
Input Watts (W): 22.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	25132	25132	25132
5°	25166	24031	23763
10°	25100	22796	21695
15°	25047	21302	19381
20°	25004	19432	17136
25°	25093	17607	15673
30°	25123	16143	14544
35°	25186	15111	13576
40°	25314	14175	10344
45°	25274	13312	2406
50°	25177	10194	2169
55°	25319	2496	1984
60°	25227	2276	1618
65°	24892	1921	1335
70°	23956	1491	1043
75°	21589	1109	760
80°	17880	744	477
85°	10613	426	214



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.6	4.4
10°-20°	426.8	12.3
20°-30°	628.7	18.2
30°-40°	756.7	21.9
40°-50°	648.1	18.7
50°-60°	419.3	12.1
60°-70°	278.8	8.1
70°-80°	118.9	3.4
80°-90°	33.2	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°	1206.0	34.8
0°-40°	1962.7	56.7
0°-60°	3030.1	87.5
0°-90°	3461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3461.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1560	1560	1560	1560	1560	
5°	1562	1567	1581	1599	1598	148
15°	1518	1560	1529	1496	1473	429
25°	1439	1448	1330	1302	1293	663
35°	1318	1267	1164	1173	1173	826
45°	1155	1027	1014	619	211	891
55°	955	811	182	173	172	854
65°	711	511	130	112	110	701
75°	401	94	67	60	58	425
85°	85	25	22	16	14	108
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1559.7	1559.7	1559.7	1559.7	1559.7
2.5°	1563.3	1557.9	1556.1	1576.0	1577.8
5°	1561.5	1567.0	1581.4	1599.4	1597.6
7.5°	1552.5	1570.6	1581.4	1608.5	1597.6
10°	1545.3	1577.8	1574.2	1576.0	1559.7
12.5°	1534.5	1565.1	1525.4	1552.5	1530.8
15°	1518.2	1559.7	1529.0	1496.5	1473.1
17.5°	1505.6	1548.9	1498.4	1420.7	1417.1
20°	1480.3	1503.8	1437.0	1381.0	1363.0
22.5°	1460.4	1487.5	1372.0	1334.1	1328.7
25°	1438.8	1447.8	1330.5	1301.6	1292.6
27.5°	1408.1	1426.1	1281.7	1267.3	1261.9
30°	1382.8	1382.8	1236.6	1236.6	1233.0
32.5°	1355.7	1325.0	1202.3	1204.1	1204.1
35°	1317.8	1267.3	1164.4	1173.4	1173.4
37.5°	1281.7	1196.9	1126.5	1140.9	1142.7
40°	1245.6	1142.7	1090.4	1106.6	904.4
42.5°	1195.1	1083.1	1052.5	852.1	644.5
45°	1155.4	1027.2	1014.5	619.2	211.2
47.5°	1110.2	973.0	974.8	196.8	195.0
50°	1054.3	917.1	763.6	185.9	189.6
52.5°	1012.7	866.5	538.0	180.5	182.3
55°	955.0	810.6	182.3	173.3	171.5
57.5°	900.8	758.2	169.7	160.7	153.4
60°	839.4	702.2	160.7	142.6	137.2
62.5°	776.3	646.3	148.0	126.4	122.8
65°	711.3	510.9	130.0	111.9	110.1
67.5°	642.7	335.8	110.1	99.3	97.5
70°	566.8	131.8	95.7	86.7	83.0
72.5°	487.4	113.7	81.2	74.0	70.4
75°	400.8	93.9	66.8	59.6	57.8
77.5°	319.5	70.4	54.2	46.9	45.1
80°	238.3	52.4	41.5	36.1	34.3
82.5°	162.5	37.9	30.7	25.3	23.5
85°	84.8	25.3	21.7	16.2	14.4
87.5°	32.5	16.2	12.6	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)