

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: P218562

Luminaire Tested: **4SNLED-LD5-28SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218562  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3200.0 lumens  
Efficiency: N/A  
Efficacy: 144.8 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

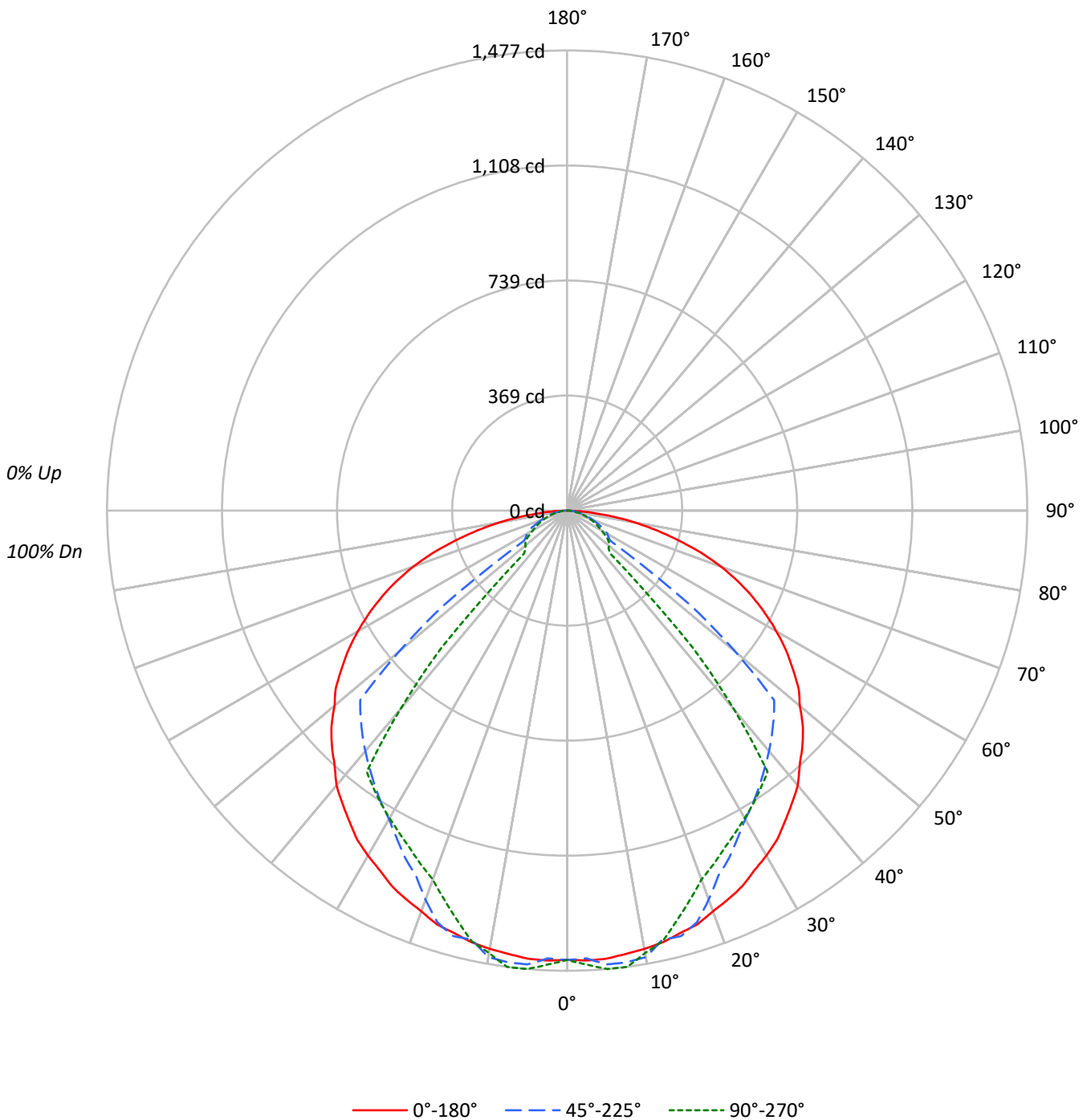
Input Watts (W): 22.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	23237	23237	23237
5°	23269	22218	21972
10°	23208	21078	20059
15°	23158	19696	17919
20°	23119	17966	15843
25°	23200	16279	14491
30°	23228	14925	13447
35°	23287	13972	12552
40°	23406	13105	9564
45°	23367	12308	2225
50°	23278	9425	2005
55°	23411	2308	1835
60°	23325	2104	1497
65°	23013	1777	1234
70°	22151	1379	966
75°	19957	1026	703
80°	16529	688	441
85°	9812	393	199



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.2	4.4
10°-20°	394.6	12.3
20°-30°	581.2	18.2
30°-40°	699.6	21.9
40°-50°	599.2	18.7
50°-60°	387.7	12.1
60°-70°	257.7	8.1
70°-80°	109.9	3.4
80°-90°	30.7	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°	1115.1	34.8
0°-40°	1814.7	56.7
0°-60°	2801.6	87.5
0°-90°	3200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3200.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1442	1442	1442	1442	1442	
5°	1444	1449	1462	1479	1477	137
15°	1404	1442	1414	1384	1362	397
25°	1330	1339	1230	1203	1195	613
35°	1218	1172	1077	1085	1085	764
45°	1068	950	938	572	195	824
55°	883	749	169	160	159	790
65°	658	472	120	104	102	648
75°	370	87	62	55	53	393
85°	78	23	20	15	13	100
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1442.1	1442.1	1442.1	1442.1	1442.1
2.5°	1445.4	1440.4	1438.8	1457.1	1458.8
5°	1443.8	1448.8	1462.1	1478.8	1477.2
7.5°	1435.4	1452.1	1462.1	1487.2	1477.2
10°	1428.8	1458.8	1455.5	1457.1	1442.1
12.5°	1418.7	1447.1	1410.4	1435.4	1415.4
15°	1403.7	1442.1	1413.7	1383.7	1362.0
17.5°	1392.0	1432.1	1385.4	1313.6	1310.2
20°	1368.7	1390.4	1328.6	1276.9	1260.2
22.5°	1350.3	1375.3	1268.5	1233.5	1228.5
25°	1330.3	1338.6	1230.1	1203.4	1195.1
27.5°	1301.9	1318.6	1185.1	1171.7	1166.7
30°	1278.5	1278.5	1143.3	1143.3	1140.0
32.5°	1253.5	1225.1	1111.6	1113.3	1113.3
35°	1218.4	1171.7	1076.6	1084.9	1084.9
37.5°	1185.1	1106.6	1041.5	1054.9	1056.5
40°	1151.7	1056.5	1008.1	1023.2	836.2
42.5°	1104.9	1001.5	973.1	787.8	595.9
45°	1068.2	949.7	938.0	572.5	195.3
47.5°	1026.5	899.6	901.3	181.9	180.3
50°	974.8	847.9	706.0	171.9	175.3
52.5°	936.4	801.2	497.4	166.9	168.6
55°	883.0	749.4	168.6	160.2	158.6
57.5°	832.9	701.0	156.9	148.6	141.9
60°	776.1	649.3	148.6	131.9	126.9
62.5°	717.7	597.5	136.9	116.8	113.5
65°	657.6	472.4	120.2	103.5	101.8
67.5°	594.2	310.5	101.8	91.8	90.1
70°	524.1	121.8	88.5	80.1	76.8
72.5°	450.7	105.2	75.1	68.4	65.1
75°	370.5	86.8	61.8	55.1	53.4
77.5°	295.4	65.1	50.1	43.4	41.7
80°	220.3	48.4	38.4	33.4	31.7
82.5°	150.2	35.1	28.4	23.4	21.7
85°	78.4	23.4	20.0	15.0	13.4
87.5°	30.0	15.0	11.7	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)