

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: P218566

Luminaire Tested: **4SNLED-LD5-32SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218566  
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-LD5-32SL-RW-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3568.0 lumens  
Efficiency: N/A  
Efficacy: 143.3 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

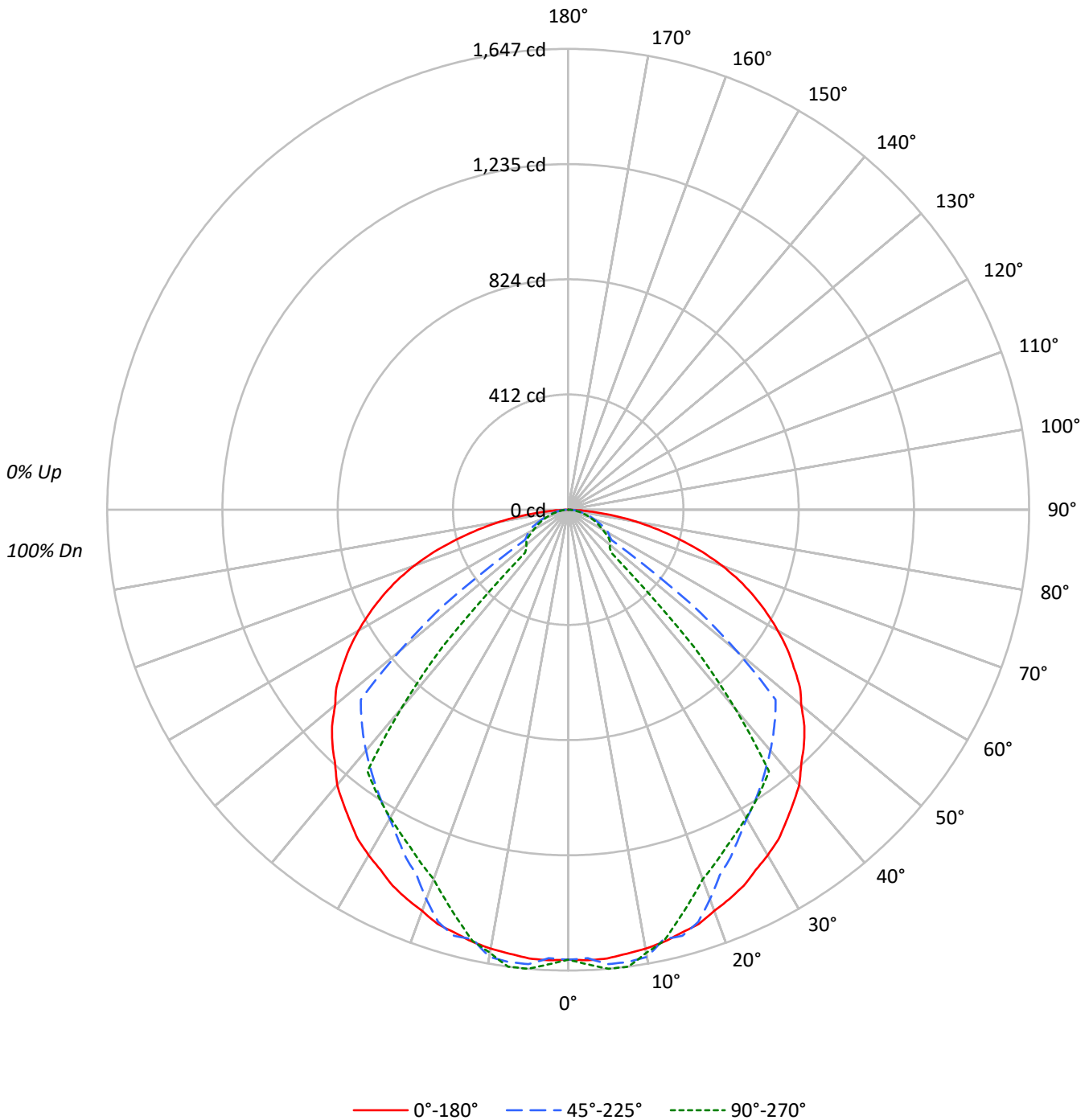
Input Watts (W): 24.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	25911	25911	25911
5°	25944	24774	24497
10°	25876	23500	22367
15°	25820	21961	19980
20°	25778	20032	17665
25°	25869	18151	16157
30°	25901	16642	14994
35°	25966	15578	13996
40°	26097	14613	10664
45°	26055	13724	2480
50°	25955	10509	2235
55°	26102	2574	2046
60°	26009	2345	1668
65°	25662	1981	1376
70°	24700	1536	1076
75°	22257	1144	784
80°	18435	767	492
85°	10951	438	222



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.2	4.4
10°-20°	440.0	12.3
20°-30°	648.1	18.2
30°-40°	780.1	21.9
40°-50°	668.1	18.7
50°-60°	432.3	12.1
60°-70°	287.4	8.1
70°-80°	122.6	3.4
80°-90°	34.3	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°	1243.3	34.8
0°-40°	2023.4	56.7
0°-60°	3123.8	87.5
0°-90°	3568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3568.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1608	1608	1608	1608	1608	
5°	1610	1615	1630	1649	1647	153
15°	1565	1608	1576	1543	1519	443
25°	1483	1493	1372	1342	1332	683
35°	1359	1306	1200	1210	1210	851
45°	1191	1059	1046	638	218	918
55°	984	836	188	179	177	880
65°	733	527	134	115	114	723
75°	413	97	69	61	60	438
85°	88	26	22	17	15	112
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1608.0	1608.0	1608.0	1608.0	1608.0
2.5°	1611.7	1606.1	1604.2	1624.7	1626.6
5°	1609.8	1615.4	1630.3	1648.9	1647.0
7.5°	1600.5	1619.1	1630.3	1658.2	1647.0
10°	1593.1	1626.6	1622.8	1624.7	1608.0
12.5°	1581.9	1613.5	1572.6	1600.5	1578.2
15°	1565.1	1608.0	1576.3	1542.8	1518.6
17.5°	1552.1	1596.8	1544.7	1464.7	1460.9
20°	1526.1	1550.3	1481.4	1423.7	1405.1
22.5°	1505.6	1533.5	1414.4	1375.3	1369.7
25°	1483.3	1492.6	1371.6	1341.8	1332.5
27.5°	1451.6	1470.2	1321.3	1306.5	1300.9
30°	1425.6	1425.6	1274.8	1274.8	1271.1
32.5°	1397.7	1366.0	1239.5	1241.3	1241.3
35°	1358.6	1306.5	1200.4	1209.7	1209.7
37.5°	1321.3	1233.9	1161.3	1176.2	1178.0
40°	1284.1	1178.0	1124.1	1140.8	932.4
42.5°	1232.0	1116.6	1085.0	878.4	664.4
45°	1191.1	1058.9	1045.9	638.3	217.7
47.5°	1144.5	1003.1	1005.0	202.9	201.0
50°	1086.9	945.4	787.2	191.7	195.4
52.5°	1044.1	893.3	554.6	186.1	188.0
55°	984.5	835.6	188.0	178.7	176.8
57.5°	928.7	781.6	174.9	165.6	158.2
60°	865.4	724.0	165.6	147.0	141.4
62.5°	800.3	666.3	152.6	130.3	126.6
65°	733.3	526.7	134.0	115.4	113.5
67.5°	662.5	346.2	113.5	102.4	100.5
70°	584.4	135.9	98.6	89.3	85.6
72.5°	502.5	117.2	83.7	76.3	72.6
75°	413.2	96.8	68.9	61.4	59.6
77.5°	329.4	72.6	55.8	48.4	46.5
80°	245.7	54.0	42.8	37.2	35.4
82.5°	167.5	39.1	31.6	26.1	24.2
85°	87.5	26.1	22.3	16.7	14.9
87.5°	33.5	16.7	13.0	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)