

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: P218576

Luminaire Tested: **4SNLED-LD5-43SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218576  
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-LD5-43SL-RW-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4345.0 lumens  
Efficiency: N/A  
Efficacy: 125.6 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

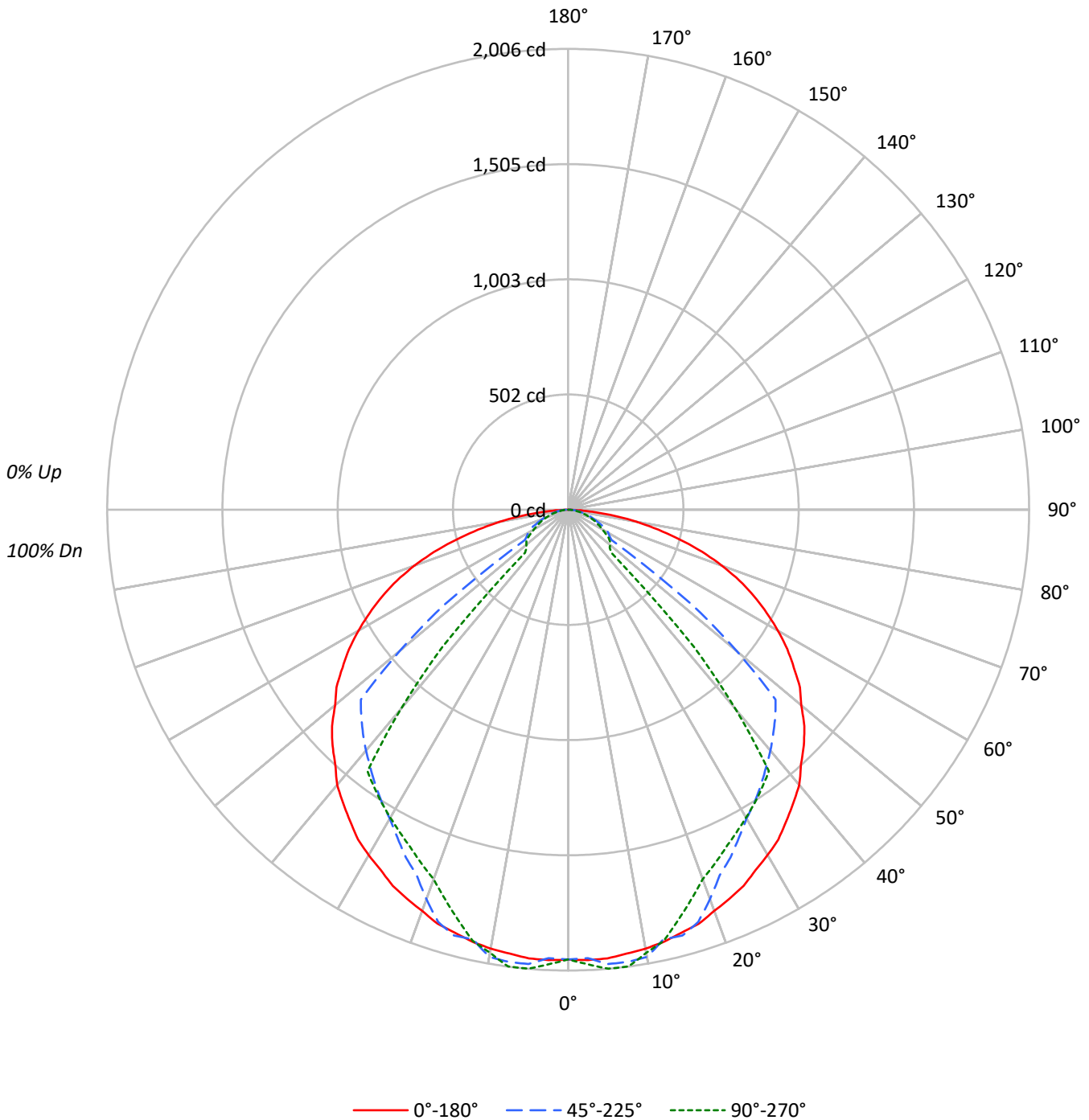
Input Watts (W): 34.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					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°	31552	31552	31552
5°	31594	30168	29833
10°	31511	28618	27236
15°	31444	26744	24331
20°	31390	24394	21512
25°	31502	22104	19676
30°	31541	20266	18259
35°	31620	18970	17044
40°	31781	17795	12986
45°	31729	16714	3022
50°	31605	12798	2722
55°	31786	3134	2491
60°	31671	2856	2031
65°	31247	2412	1676
70°	30076	1871	1311
75°	27100	1393	954
80°	22449	934	600
85°	13329	534	269



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.0	4.4
10°-20°	535.9	12.3
20°-30°	789.2	18.2
30°-40°	949.9	21.9
40°-50°	813.6	18.7
50°-60°	526.4	12.1
60°-70°	349.9	8.1
70°-80°	149.3	3.4
80°-90°	41.7	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°	1514.1	34.8
0°-40°	2464.0	56.7
0°-60°	3804.0	87.6
0°-90°	4345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4345.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1958	1958	1958	1958	1958	
5°	1960	1967	1985	2008	2006	186
15°	1906	1958	1920	1879	1849	539
25°	1806	1818	1670	1634	1623	832
35°	1654	1591	1462	1473	1473	1037
45°	1450	1290	1274	777	265	1118
55°	1199	1018	229	218	215	1072
65°	893	641	163	140	138	881
75°	503	118	84	75	72	533
85°	106	32	27	20	18	136
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1958.1	1958.1	1958.1	1958.1	1958.1
2.5°	1962.6	1955.8	1953.6	1978.5	1980.8
5°	1960.4	1967.2	1985.3	2008.0	2005.7
7.5°	1949.0	1971.7	1985.3	2019.3	2005.7
10°	1940.0	1980.8	1976.2	1978.5	1958.1
12.5°	1926.4	1964.9	1915.1	1949.0	1921.9
15°	1906.0	1958.1	1919.6	1878.8	1849.3
17.5°	1890.1	1944.5	1881.1	1783.6	1779.1
20°	1858.4	1887.9	1804.0	1733.7	1711.1
22.5°	1833.5	1867.5	1722.4	1674.8	1668.0
25°	1806.3	1817.6	1670.3	1634.0	1622.7
27.5°	1767.7	1790.4	1609.1	1591.0	1584.2
30°	1736.0	1736.0	1552.4	1552.4	1547.9
32.5°	1702.0	1663.5	1509.4	1511.6	1511.6
35°	1654.4	1591.0	1461.8	1473.1	1473.1
37.5°	1609.1	1502.6	1414.2	1432.3	1434.6
40°	1563.8	1434.6	1368.9	1389.3	1135.4
42.5°	1500.3	1359.8	1321.3	1069.7	809.1
45°	1450.5	1289.5	1273.7	777.4	265.2
47.5°	1393.8	1221.6	1223.8	247.0	244.8
50°	1323.5	1151.3	958.7	233.4	238.0
52.5°	1271.4	1087.8	675.4	226.6	228.9
55°	1198.9	1017.6	228.9	217.6	215.3
57.5°	1130.9	951.9	213.0	201.7	192.6
60°	1053.8	881.6	201.7	179.0	172.2
62.5°	974.5	811.3	185.8	158.6	154.1
65°	892.9	641.4	163.2	140.5	138.2
67.5°	806.8	421.5	138.2	124.6	122.4
70°	711.6	165.4	120.1	108.8	104.3
72.5°	611.9	142.8	102.0	92.9	88.4
75°	503.1	117.8	83.9	74.8	72.5
77.5°	401.1	88.4	68.0	58.9	56.7
80°	299.2	65.7	52.1	45.3	43.1
82.5°	204.0	47.6	38.5	31.7	29.5
85°	106.5	31.7	27.2	20.4	18.1
87.5°	40.8	20.4	15.9	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)