

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: P217987

Luminaire Tested: **4SNLED-LD5-64HL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217987  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-64HL-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6072.0 lumens  
Efficiency: N/A  
Efficacy: 141.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

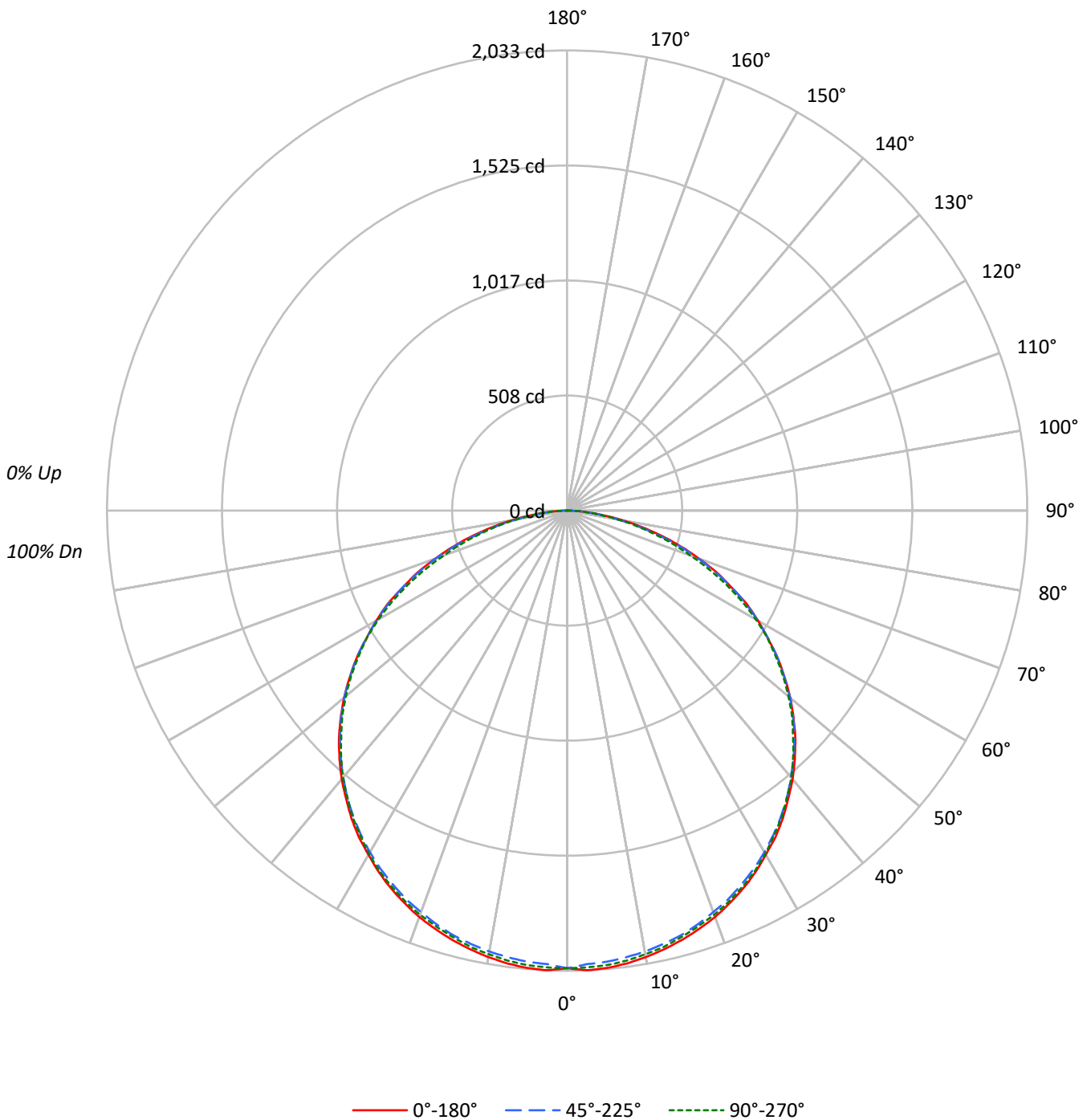
Input Watts (W): 43  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23					23			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	32585	32585	32585
5°	32692	30410	29984
10°	32539	28645	27690
15°	32391	27062	25666
20°	32277	25527	23892
25°	32117	24121	22228
30°	31895	22753	20658
35°	31746	21392	19120
40°	31494	20009	17629
45°	31191	18628	16079
50°	30741	17157	14604
55°	30121	15554	13023
60°	29285	13798	11370
65°	27999	11857	9421
70°	26183	9587	7287
75°	23415	6905	5222
80°	18750	4102	3242
85°	11565	1772	1312



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.6	3.2
10°-20°	551.7	9.1
20°-30°	845.3	13.9
30°-40°	1034.6	17.0
40°-50°	1094.9	18.0
50°-60°	1012.7	16.7
60°-70°	786.3	13.0
70°-80°	442.9	7.3
80°-90°	112.0	1.8
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°	1588.6	26.2
0°-40°	2623.2	43.2
0°-60°	4730.7	77.9
0°-90°	6072.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6072.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2022	2022	2022	2022	2022	
5°	2028	2020	2001	2020	2016	193
15°	1963	1957	1942	1959	1951	554
25°	1842	1835	1823	1837	1833	849
35°	1661	1655	1648	1653	1653	1039
45°	1426	1424	1420	1418	1411	1099
55°	1136	1140	1136	1132	1126	1014
65°	800	806	802	792	777	794
75°	435	435	416	405	397	458
85°	92	92	90	90	88	115
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2022.2	2022.2	2022.2	2022.2	2022.2
2.5°	2032.7	2024.3	2005.4	2024.3	2020.1
5°	2028.5	2020.1	2001.2	2020.1	2015.9
7.5°	2018.0	2011.7	1990.7	2009.6	2005.4
10°	2003.3	1997.0	1978.1	1997.0	1990.7
12.5°	1984.4	1978.1	1961.3	1978.1	1973.9
15°	1963.4	1957.1	1942.4	1959.2	1950.8
17.5°	1938.2	1934.0	1917.2	1934.0	1925.6
20°	1910.9	1902.5	1887.8	1904.6	1900.4
22.5°	1877.3	1873.1	1858.4	1873.1	1868.9
25°	1841.6	1835.3	1822.7	1837.4	1833.2
27.5°	1801.7	1797.5	1784.9	1795.4	1795.4
30°	1755.5	1753.4	1742.9	1753.4	1751.3
32.5°	1711.4	1707.2	1696.7	1705.1	1700.9
35°	1661.0	1654.7	1648.4	1652.6	1652.6
37.5°	1604.3	1602.2	1595.9	1602.2	1595.9
40°	1549.7	1545.5	1539.2	1541.3	1541.3
42.5°	1488.8	1486.7	1480.4	1480.4	1478.3
45°	1425.9	1423.8	1419.6	1417.5	1411.2
47.5°	1356.6	1354.5	1354.5	1352.4	1348.2
50°	1287.3	1287.3	1285.2	1278.9	1276.8
52.5°	1211.7	1215.9	1209.6	1205.4	1203.3
55°	1136.1	1140.3	1136.1	1131.9	1125.6
57.5°	1052.1	1060.5	1054.2	1052.1	1050.0
60°	974.4	978.6	974.4	968.1	963.9
62.5°	894.6	894.6	888.3	884.1	871.5
65°	800.1	806.4	802.2	791.7	777.0
67.5°	716.1	711.9	707.7	695.1	678.3
70°	619.5	621.6	615.3	596.4	579.6
72.5°	527.1	531.3	518.7	493.5	489.3
75°	434.7	434.7	415.8	405.3	396.9
77.5°	340.2	342.3	317.1	315.0	312.9
80°	249.9	254.1	228.9	235.2	233.1
82.5°	170.1	165.9	155.4	155.4	153.3
85°	92.4	92.4	90.3	90.3	88.2
87.5°	35.7	37.8	42.0	46.2	44.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)