

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: P218003

Luminaire Tested: **8TSNLED-LD5-64SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218003
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: 8TSNLED-LD5-64SL-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6162.0 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

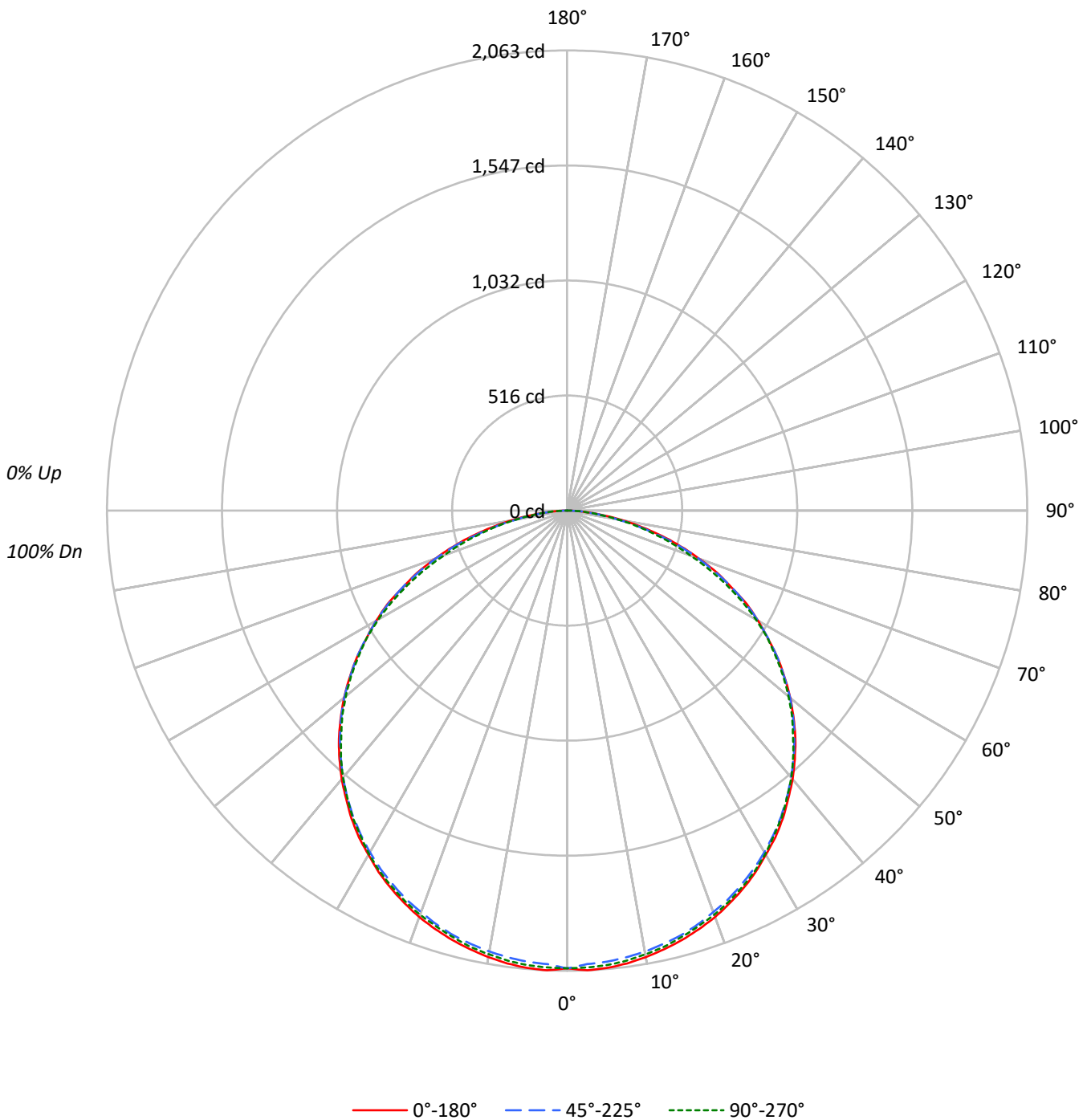
Input Watts (W): 44.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16534	16534	16534
5°	16619	15449	15215
10°	16571	14569	14050
15°	16527	13777	13023
20°	16502	13008	12123
25°	16454	12303	11279
30°	16377	11615	10483
35°	16341	10930	9702
40°	16256	10232	8945
45°	16150	9533	8159
50°	15976	8787	7410
55°	15726	7974	6608
60°	15377	7080	5769
65°	14815	6091	4780
70°	14007	4930	3697
75°	12739	3555	2650
80°	10521	2116	1645
85°	7001	915	666



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	3.2
10°-20°	559.9	9.1
20°-30°	857.8	13.9
30°-40°	1050.0	17.0
40°-50°	1111.1	18.0
50°-60°	1027.6	16.7
60°-70°	798.0	12.9
70°-80°	449.5	7.3
80°-90°	113.7	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°	1612.2	26.2
0°-40°	2662.1	43.2
0°-60°	4800.9	77.9
0°-90°	6162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6162.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2052	2052	2052	2052	2052	
5°	2059	2050	2031	2050	2046	196
15°	1992	1986	1971	1988	1980	563
25°	1869	1862	1850	1865	1860	861
35°	1686	1679	1673	1677	1677	1054
45°	1447	1445	1441	1438	1432	1115
55°	1153	1157	1153	1149	1142	1028
65°	812	818	814	803	788	806
75°	441	441	422	411	403	465
85°	94	94	92	92	90	117
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2052.2	2052.2	2052.2	2052.2	2052.2
2.5°	2062.9	2054.3	2035.2	2054.3	2050.1
5°	2058.6	2050.1	2030.9	2050.1	2045.8
7.5°	2047.9	2041.5	2020.2	2039.4	2035.2
10°	2033.0	2026.6	2007.5	2026.6	2020.2
12.5°	2013.8	2007.5	1990.4	2007.5	2003.2
15°	1992.5	1986.1	1971.2	1988.3	1979.7
17.5°	1967.0	1962.7	1945.7	1962.7	1954.2
20°	1939.3	1930.7	1915.8	1932.9	1928.6
22.5°	1905.2	1900.9	1886.0	1900.9	1896.6
25°	1868.9	1862.5	1849.8	1864.7	1860.4
27.5°	1828.4	1824.2	1811.4	1822.1	1822.1
30°	1781.6	1779.4	1768.8	1779.4	1777.3
32.5°	1736.8	1732.5	1721.9	1730.4	1726.2
35°	1685.7	1679.3	1672.9	1677.1	1677.1
37.5°	1628.1	1626.0	1619.6	1626.0	1619.6
40°	1572.7	1568.5	1562.1	1564.2	1564.2
42.5°	1510.9	1508.8	1502.4	1502.4	1500.3
45°	1447.0	1444.9	1440.6	1438.5	1432.1
47.5°	1376.7	1374.5	1374.5	1372.4	1368.1
50°	1306.3	1306.3	1304.2	1297.8	1295.7
52.5°	1229.6	1233.9	1227.5	1223.2	1221.1
55°	1152.9	1157.2	1152.9	1148.6	1142.2
57.5°	1067.7	1076.2	1069.8	1067.7	1065.5
60°	988.8	993.1	988.8	982.4	978.2
62.5°	907.8	907.8	901.4	897.2	884.4
65°	811.9	818.3	814.1	803.4	788.5
67.5°	726.7	722.4	718.2	705.4	688.3
70°	628.7	630.8	624.4	605.2	588.2
72.5°	534.9	539.2	526.4	500.8	496.5
75°	441.1	441.1	421.9	411.3	402.8
77.5°	345.2	347.4	321.8	319.7	317.5
80°	253.6	257.9	232.3	238.7	236.5
82.5°	172.6	168.4	157.7	157.7	155.6
85°	93.8	93.8	91.6	91.6	89.5
87.5°	36.2	38.4	42.6	46.9	44.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)