

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: P#

Luminaire Tested: **8SNLED-LD5-72SL-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-72SL-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

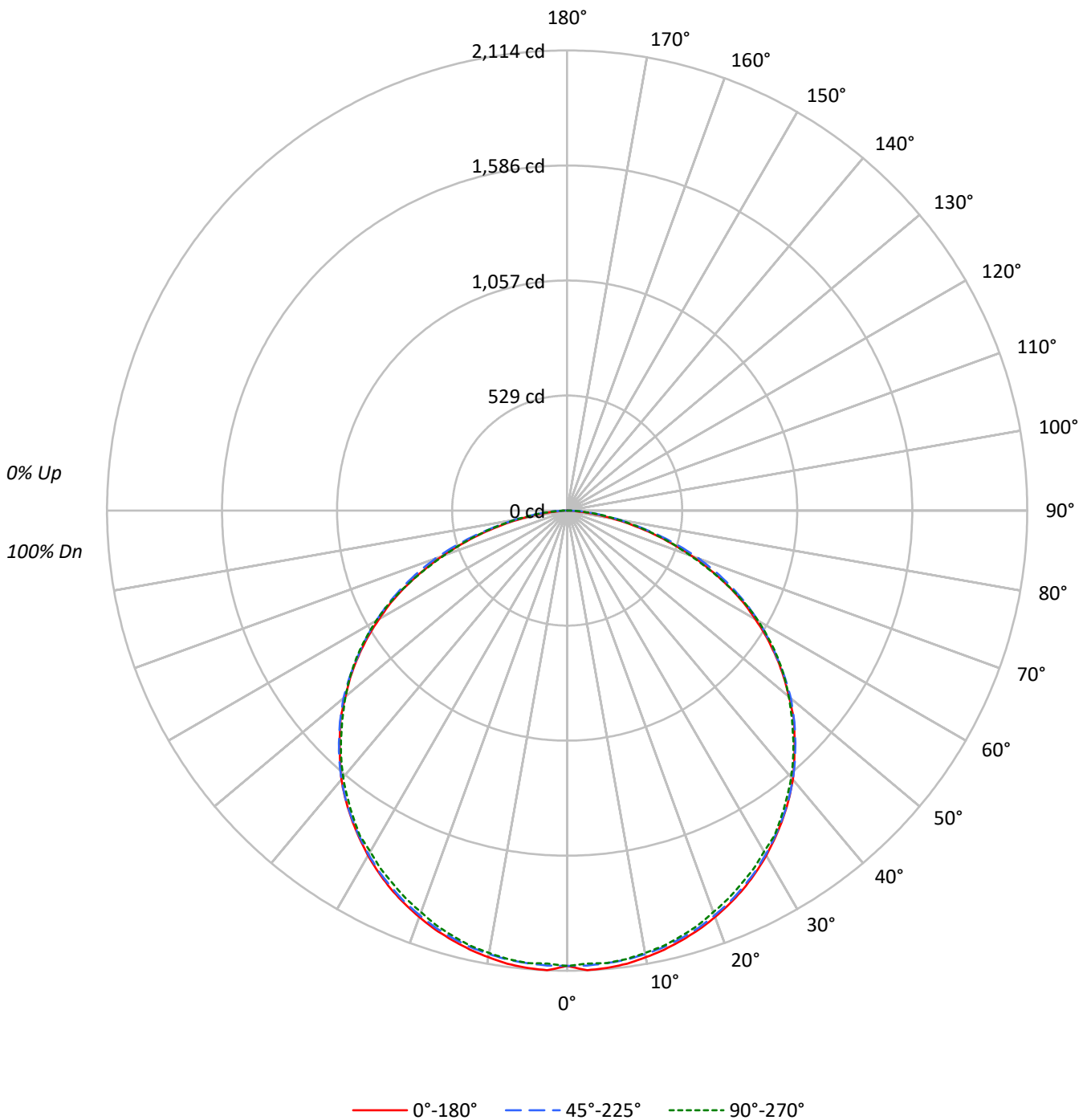
Lumens per Lamp: N/A
Luminaire Lumens: 6275.0 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
Input Voltage (V): NR
Input Current (Ain): 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	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8452	8452	8452
5°	8540	8267	8194
10°	8524	8093	7941
15°	8509	7919	7692
20°	8497	7731	7427
25°	8486	7543	7180
30°	8460	7340	6936
35°	8433	7129	6702
40°	8400	6903	6422
45°	8314	6634	6100
50°	8211	6340	5774
55°	8081	5944	5421
60°	7855	5541	4961
65°	7516	5015	4315
70°	6909	4319	3498
75°	5946	3306	2689
80°	4553	2185	1763
85°	2506	1071	787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.5	3.2
10°-20°	572.5	9.1
20°-30°	876.4	14.0
30°-40°	1073.8	17.1
40°-50°	1135.8	18.1
50°-60°	1048.4	16.7
60°-70°	809.2	12.9
70°-80°	449.1	7.2
80°-90°	111.3	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°	1647.5	26.3
0°-40°	2721.3	43.4
0°-60°	4905.5	78.2
0°-90°	6275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2092	2092	2092	2092	2092	
5°	2108	2081	2088	2082	2087	200
15°	2043	2019	2033	2026	2024	577
25°	1917	1894	1910	1893	1892	884
35°	1728	1710	1725	1706	1716	1081
45°	1478	1464	1482	1466	1468	1140
55°	1173	1163	1177	1176	1182	1047
65°	812	804	836	830	815	801
75°	403	427	430	429	414	428
85°	64	94	96	97	90	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2091.8	2091.8	2091.8	2091.8	2091.8
2.5°	2113.7	2086.6	2091.8	2088.7	2082.4
5°	2108.5	2081.3	2087.6	2082.4	2086.6
7.5°	2100.1	2070.9	2081.3	2074.0	2078.2
10°	2083.4	2058.4	2068.8	2060.5	2063.6
12.5°	2065.7	2039.6	2054.2	2043.7	2047.9
15°	2042.7	2018.7	2033.3	2026.0	2023.9
17.5°	2017.6	1994.7	2009.3	2000.9	1997.8
20°	1987.4	1965.4	1979.0	1966.5	1963.3
22.5°	1953.9	1932.0	1947.7	1929.9	1931.0
25°	1917.4	1894.4	1910.1	1893.4	1892.3
27.5°	1875.6	1853.7	1870.4	1852.6	1854.7
30°	1829.7	1807.7	1824.4	1806.7	1808.8
32.5°	1779.5	1761.8	1776.4	1759.7	1771.2
35°	1728.4	1709.6	1725.2	1706.4	1715.8
37.5°	1673.0	1655.3	1672.0	1651.1	1659.4
40°	1613.5	1597.8	1612.4	1593.6	1601.0
42.5°	1544.6	1535.2	1549.8	1531.0	1537.2
45°	1477.7	1464.1	1481.9	1466.2	1468.3
47.5°	1410.9	1396.3	1413.0	1399.4	1398.4
50°	1330.5	1325.3	1340.9	1330.5	1329.4
52.5°	1254.2	1243.8	1260.5	1255.3	1258.4
55°	1172.8	1163.4	1177.0	1175.9	1182.2
57.5°	1088.2	1078.8	1096.5	1094.5	1099.7
60°	998.4	991.1	1014.0	1008.8	1013.0
62.5°	910.7	897.1	926.3	922.1	920.1
65°	812.5	804.1	835.5	830.2	814.6
67.5°	711.2	708.1	740.4	730.0	703.9
70°	609.9	612.0	643.3	623.5	601.5
72.5°	503.4	519.0	537.8	523.2	507.5
75°	403.1	427.1	430.3	429.2	413.6
77.5°	304.9	335.2	327.9	335.2	322.7
80°	213.0	246.5	241.2	247.5	237.1
82.5°	131.6	161.9	162.9	167.1	157.7
85°	63.7	94.0	96.1	97.1	89.8
87.5°	13.6	43.9	44.9	41.8	36.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)