

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-L930-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-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

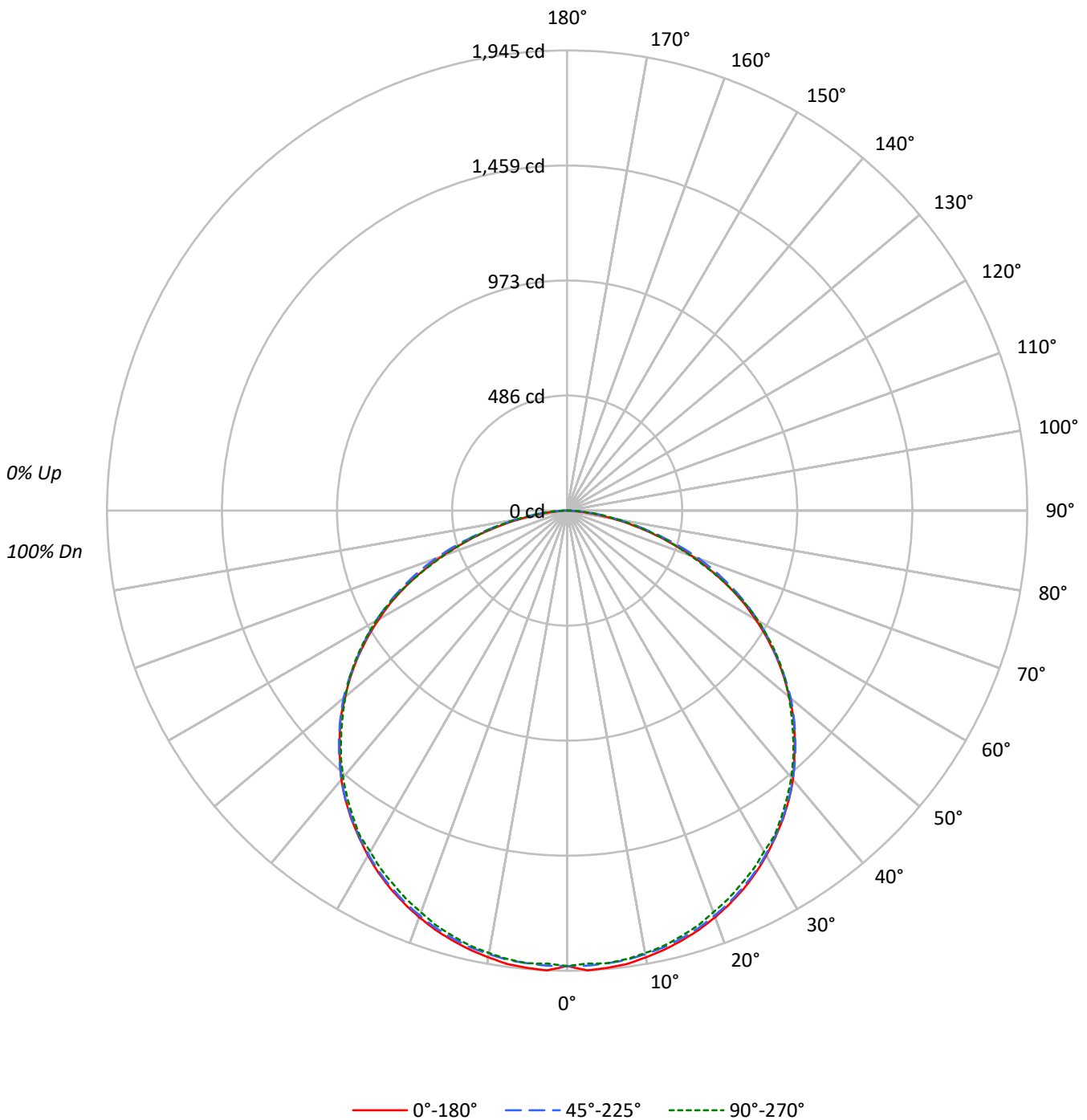
Lumens per Lamp: N/A
Luminaire Lumens: 5775.0 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-72SL-UNV-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-UNV-L930-CD1-U

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	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	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	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7778	7778	7778
5°	7860	7609	7541
10°	7845	7449	7308
15°	7831	7288	7079
20°	7820	7115	6835
25°	7810	6942	6607
30°	7786	6756	6383
35°	7761	6562	6168
40°	7731	6353	5910
45°	7652	6105	5614
50°	7556	5835	5314
55°	7437	5470	4989
60°	7229	5099	4566
65°	6917	4615	3971
70°	6358	3975	3220
75°	5473	3043	2475
80°	4192	2012	1623
85°	2305	985	725



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-UNV-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.7	3.2
10°-20°	526.9	9.1
20°-30°	806.6	14.0
30°-40°	988.2	17.1
40°-50°	1045.3	18.1
50°-60°	964.8	16.7
60°-70°	744.7	12.9
70°-80°	413.3	7.2
80°-90°	102.4	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°	1516.2	26.3
0°-40°	2504.5	43.4
0°-60°	4514.6	78.2
0°-90°	5775.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5775.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1925	1925	1925	1925	1925	
5°	1940	1916	1921	1916	1920	184
15°	1880	1858	1871	1865	1863	531
25°	1765	1744	1758	1742	1742	813
35°	1591	1573	1588	1570	1579	995
45°	1360	1348	1364	1349	1351	1050
55°	1079	1071	1083	1082	1088	963
65°	748	740	769	764	750	737
75°	371	393	396	395	381	394
85°	59	86	88	89	83	79
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1925.1	1925.1	1925.1	1925.1	1925.1
2.5°	1945.3	1920.3	1925.1	1922.2	1916.5
5°	1940.5	1915.5	1921.3	1916.5	1920.3
7.5°	1932.8	1905.9	1915.5	1908.8	1912.6
10°	1917.4	1894.4	1904.0	1896.3	1899.2
12.5°	1901.1	1877.1	1890.5	1880.9	1884.7
15°	1879.9	1857.8	1871.3	1864.6	1862.6
17.5°	1856.9	1835.7	1849.2	1841.5	1838.6
20°	1829.0	1808.8	1821.3	1809.8	1806.9
22.5°	1798.2	1778.1	1792.5	1776.1	1777.1
25°	1764.6	1743.5	1757.9	1742.5	1741.5
27.5°	1726.2	1706.0	1721.4	1705.0	1706.9
30°	1683.9	1663.7	1679.1	1662.7	1664.6
32.5°	1637.7	1621.4	1634.9	1619.5	1630.0
35°	1590.6	1573.3	1587.8	1570.5	1579.1
37.5°	1539.7	1523.4	1538.7	1519.5	1527.2
40°	1484.9	1470.5	1484.0	1466.7	1473.4
42.5°	1421.5	1412.8	1426.3	1409.0	1414.8
45°	1360.0	1347.5	1363.8	1349.4	1351.3
47.5°	1298.5	1285.0	1300.4	1287.9	1286.9
50°	1224.5	1219.7	1234.1	1224.5	1223.5
52.5°	1154.3	1144.7	1160.1	1155.3	1158.1
55°	1079.3	1070.7	1083.2	1082.2	1088.0
57.5°	1001.5	992.8	1009.2	1007.2	1012.1
60°	918.8	912.1	933.2	928.4	932.3
62.5°	838.1	825.6	852.5	848.7	846.7
65°	747.7	740.1	768.9	764.1	749.7
67.5°	654.5	651.6	681.4	671.8	647.8
70°	561.3	563.2	592.0	573.8	553.6
72.5°	463.3	477.7	495.0	481.5	467.1
75°	371.0	393.1	396.0	395.0	380.6
77.5°	280.6	308.5	301.8	308.5	297.0
80°	196.1	226.8	222.0	227.8	218.2
82.5°	121.1	149.0	149.9	153.8	145.1
85°	58.6	86.5	88.4	89.4	82.7
87.5°	12.5	40.4	41.3	38.4	33.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)