

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

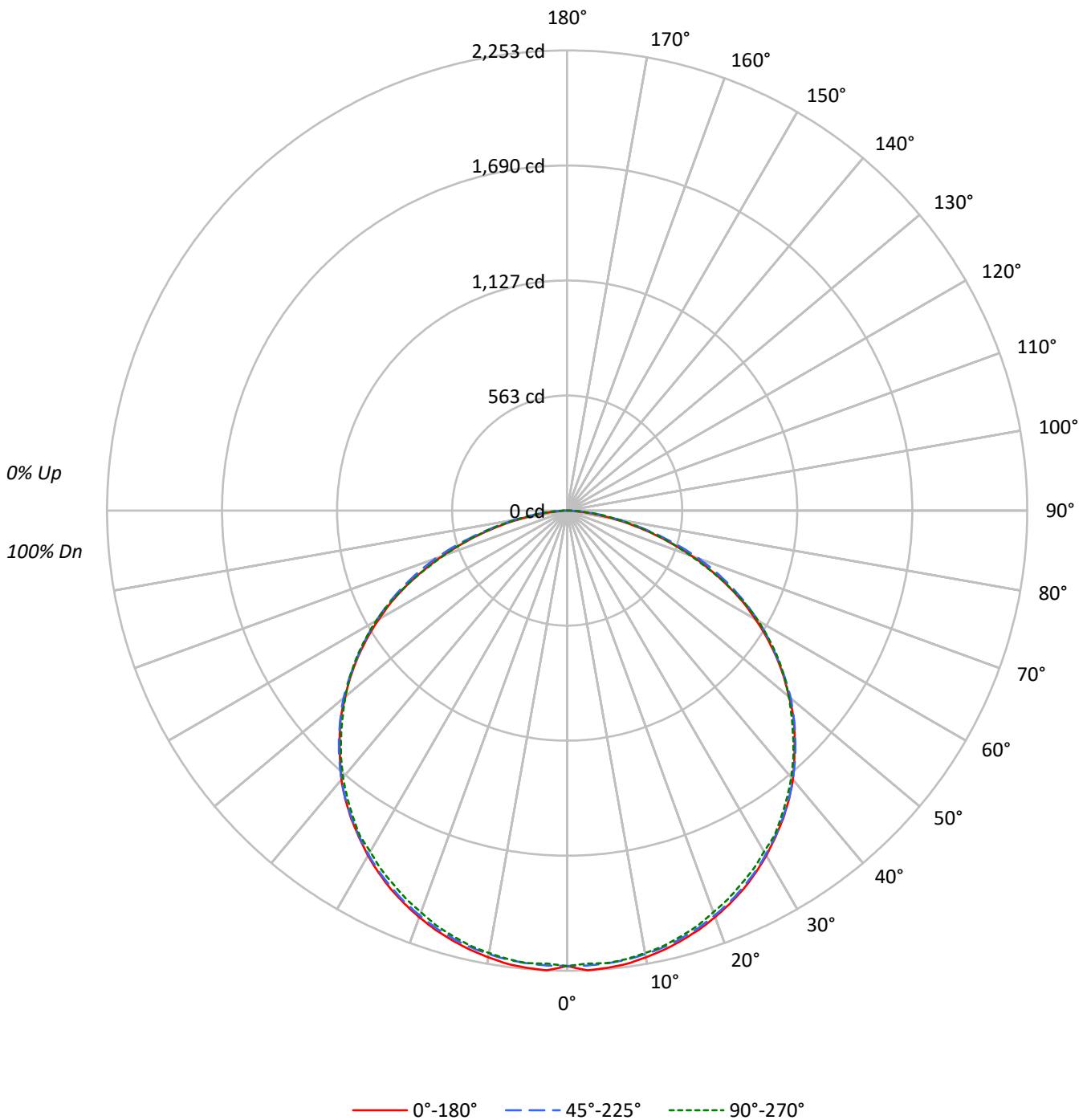
Lumens per Lamp: N/A
Luminaire Lumens: 6689.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-UNV-L950-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	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°	9010	9010	9010
5°	9104	8813	8734
10°	9087	8627	8465
15°	9071	8441	8200
20°	9058	8242	7917
25°	9046	8041	7653
30°	9018	7825	7393
35°	8989	7600	7144
40°	8954	7359	6845
45°	8862	7072	6503
50°	8752	6758	6155
55°	8615	6336	5779
60°	8373	5906	5288
65°	8012	5345	4599
70°	7364	4604	3729
75°	6339	3524	2866
80°	4854	2330	1879
85°	2671	1141	839



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.6	3.2
10°-20°	610.3	9.1
20°-30°	934.3	14.0
30°-40°	1144.6	17.1
40°-50°	1210.7	18.1
50°-60°	1117.5	16.7
60°-70°	862.6	12.9
70°-80°	478.7	7.2
80°-90°	118.6	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°	1756.2	26.3
0°-40°	2900.9	43.4
0°-60°	5229.1	78.2
0°-90°	6689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6689.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2230	2230	2230	2230	2230	
5°	2248	2219	2225	2220	2224	214
15°	2178	2152	2168	2160	2157	615
25°	2044	2019	2036	2018	2017	942
35°	1842	1822	1839	1819	1829	1153
45°	1575	1561	1580	1563	1565	1216
55°	1250	1240	1255	1254	1260	1116
65°	866	857	891	885	868	854
75°	430	455	459	458	441	456
85°	68	100	102	104	96	91
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2229.8	2229.8	2229.8	2229.8	2229.8
2.5°	2253.2	2224.2	2229.8	2226.5	2219.8
5°	2247.6	2218.7	2225.3	2219.8	2224.2
7.5°	2238.7	2207.5	2218.7	2210.9	2215.3
10°	2220.9	2194.2	2205.3	2196.4	2199.7
12.5°	2202.0	2174.1	2189.7	2178.6	2183.0
15°	2177.5	2151.9	2167.5	2159.7	2157.4
17.5°	2150.8	2126.3	2141.8	2132.9	2129.6
20°	2118.5	2095.1	2109.6	2096.2	2092.9
22.5°	2082.8	2059.5	2076.2	2057.2	2058.4
25°	2043.9	2019.4	2036.1	2018.3	2017.2
27.5°	1999.4	1976.0	1993.8	1974.9	1977.1
30°	1950.4	1927.0	1944.8	1925.9	1928.1
32.5°	1896.9	1878.0	1893.6	1875.8	1888.0
35°	1842.4	1822.4	1839.1	1819.0	1829.0
37.5°	1783.4	1764.5	1782.3	1760.0	1768.9
40°	1719.9	1703.2	1718.8	1698.8	1706.6
42.5°	1646.5	1636.4	1652.0	1632.0	1638.7
45°	1575.2	1560.7	1579.7	1563.0	1565.2
47.5°	1504.0	1488.4	1506.2	1491.7	1490.6
50°	1418.3	1412.7	1429.4	1418.3	1417.1
52.5°	1337.0	1325.9	1343.7	1338.1	1341.4
55°	1250.2	1240.1	1254.6	1253.5	1260.2
57.5°	1160.0	1150.0	1168.9	1166.7	1172.2
60°	1064.2	1056.5	1080.9	1075.4	1079.8
62.5°	970.7	956.3	987.4	983.0	980.8
65°	866.1	857.2	890.6	885.0	868.3
67.5°	758.1	754.8	789.3	778.1	750.3
70°	650.1	652.4	685.7	664.6	641.2
72.5°	536.6	553.3	573.3	557.7	541.0
75°	429.7	455.3	458.6	457.5	440.8
77.5°	325.1	357.3	349.6	357.3	344.0
80°	227.1	262.7	257.2	263.8	252.7
82.5°	140.3	172.6	173.7	178.1	168.1
85°	67.9	100.2	102.4	103.5	95.7
87.5°	14.5	46.8	47.9	44.5	39.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)