

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: P284525

Luminaire Tested: **8SNLED-LD5-96SL-SLW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P284525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-96SL-SLW-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9624.0 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

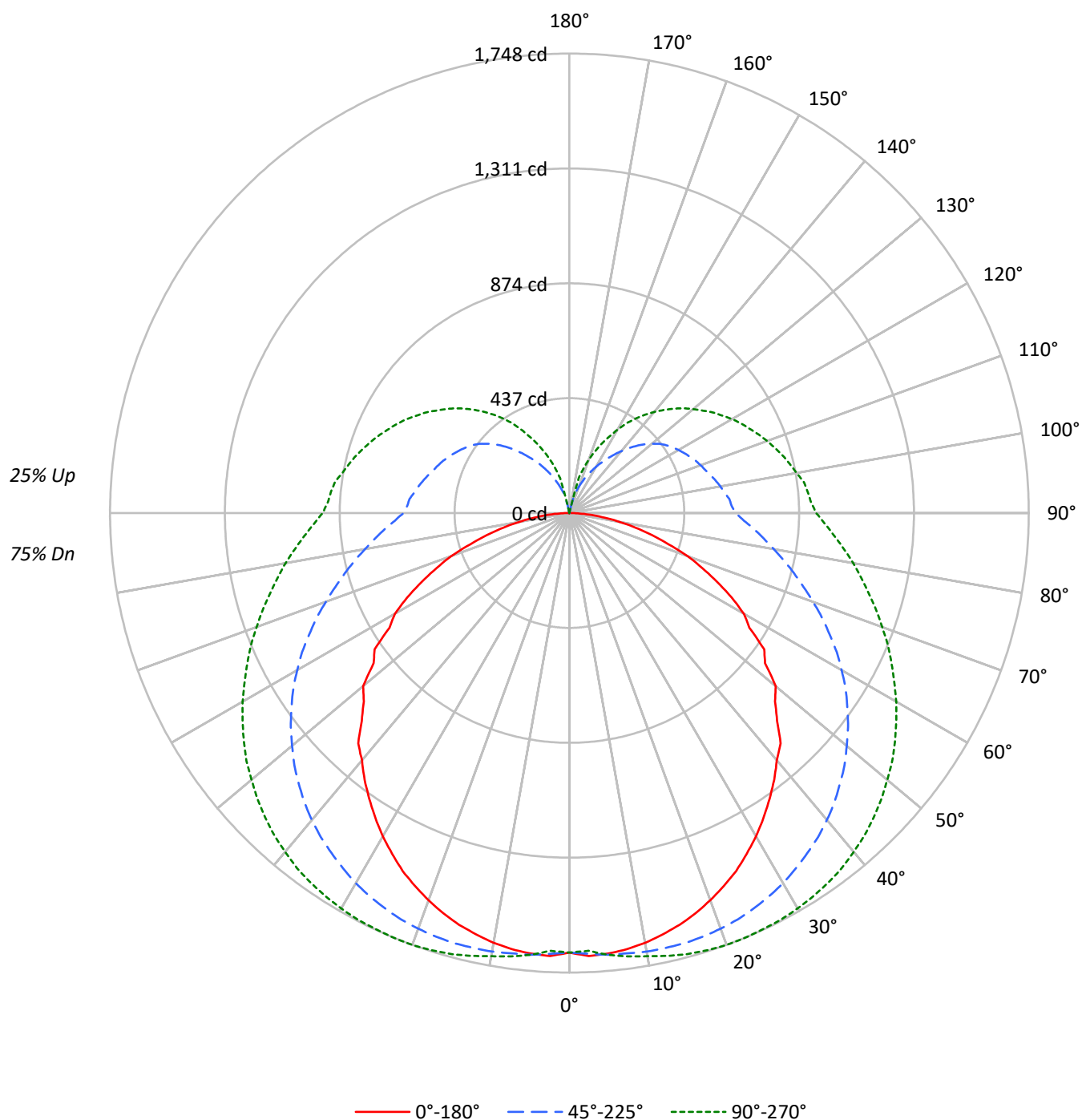
Input Watts (W): 92
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79			75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60			56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48			44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39			36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33			30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28			25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24			22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21			19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19			17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17			15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15			13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6754	6754	6754
5°	6815	6680	6624
10°	6792	6628	6587
15°	6755	6598	6601
20°	6701	6573	6614
25°	6647	6555	6624
30°	6566	6541	6660
35°	6476	6524	6705
40°	6392	6526	6749
45°	6287	6518	6802
50°	6323	6512	6856
55°	6232	6521	6938
60°	6031	6536	7032
65°	5730	6557	7163
70°	5405	6621	7364
75°	4807	6794	7662
80°	4162	7150	8155
85°	3288	7862	8877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	1.7
10°-20°	476.1	4.9
20°-30°	756.7	7.9
30°-40°	971.1	10.1
40°-50°	1096.7	11.4
50°-60°	1119.0	11.6
60°-70°	1036.7	10.8
70°-80°	877.7	9.1
80°-90°	700.6	7.3
90°-100°	594.9	6.2
100°-110°	530.0	5.5
110°-120°	451.4	4.7
120°-130°	358.5	3.7
130°-140°	254.4	2.6
140°-150°	151.9	1.6
150°-160°	70.8	0.7
160°-170°	16.8	0.2
170°-180°	0.0	0.0
0°-30°	1393.4	14.5
0°-40°	2364.5	24.6
0°-60°	4580.2	47.6
0°-90°	7195.2	74.8
90°-120°	1576.4	16.4
90°-150°	2341.2	24.3
90°-180°	2429.0	25.2
0°-180°	9624.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1672	1672	1672	1672	1672	
5°	1682	1669	1687	1687	1687	160
15°	1622	1635	1694	1725	1737	457
25°	1502	1551	1660	1718	1746	691
35°	1327	1425	1579	1676	1717	831
45°	1117	1269	1456	1583	1637	868
55°	904	1056	1291	1449	1513	794
65°	619	826	1092	1280	1352	615
75°	326	577	884	1102	1178	347
85°	84	371	706	934	1013	91
90°	4	303	631	859	939	7
95°	0	285	611	834	911	0
105°	0	262	557	766	842	0
115°	0	244	506	690	757	0
125°	0	210	450	608	667	0
135°	0	156	362	513	561	0
145°	0	102	253	384	439	1
155°	2	64	156	235	292	1
165°	2	34	70	97	138	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1671.5	1671.5	1671.5	1671.5	1671.5
2.5°	1686.8	1669.1	1678.2	1675.8	1666.6
5°	1682.5	1669.1	1686.8	1686.8	1686.8
7.5°	1673.3	1664.2	1689.2	1698.4	1700.8
10°	1659.9	1659.9	1694.1	1707.5	1711.8
12.5°	1641.6	1648.3	1694.1	1714.2	1725.2
15°	1621.5	1634.9	1694.1	1725.2	1736.8
17.5°	1596.4	1619.0	1689.2	1727.7	1743.5
20°	1567.2	1601.3	1682.5	1727.7	1748.4
22.5°	1535.4	1578.7	1673.3	1723.4	1748.4
25°	1501.9	1551.3	1659.9	1718.5	1746.0
27.5°	1461.0	1524.4	1644.0	1711.8	1743.5
30°	1420.1	1492.7	1625.7	1702.6	1736.8
32.5°	1374.9	1458.5	1603.2	1689.2	1727.7
35°	1327.3	1425.0	1578.7	1675.8	1716.7
37.5°	1279.7	1384.1	1553.7	1657.5	1702.6
40°	1227.8	1343.2	1524.4	1634.9	1682.5
42.5°	1189.4	1300.5	1492.7	1612.3	1662.4
45°	1117.4	1268.7	1456.1	1583.0	1637.3
47.5°	1060.6	1207.7	1420.1	1553.7	1609.9
50°	1024.6	1157.7	1377.4	1519.6	1578.7
52.5°	938.6	1124.1	1336.5	1486.0	1548.8
55°	904.4	1056.4	1291.3	1449.4	1512.8
57.5°	811.6	1008.8	1246.2	1409.1	1474.4
60°	766.5	942.9	1196.1	1368.2	1435.9
62.5°	696.3	886.7	1146.7	1323.0	1393.2
65°	619.4	825.7	1092.4	1279.7	1352.3
67.5°	547.4	764.7	1040.5	1234.6	1311.5
70°	477.2	701.2	986.2	1189.4	1266.3
72.5°	395.4	637.7	933.7	1146.7	1223.6
75°	325.9	576.7	884.3	1101.5	1178.4
77.5°	257.5	518.1	836.7	1060.6	1137.5
80°	194.7	461.4	789.1	1017.9	1096.6
82.5°	135.5	413.8	746.4	977.0	1053.9
85°	83.6	371.0	705.5	933.7	1013.0
87.5°	38.4	332.6	664.6	893.4	974.6
90°	4.3	303.3	631.0	859.2	938.6
92.5°	2.4	294.1	617.6	843.4	920.3
95°	0.0	285.0	610.9	834.2	911.1
97.5°	0.0	275.8	595.0	820.8	900.1
100°	0.0	271.6	583.4	800.7	877.6
102.5°	0.0	264.9	570.0	782.4	859.2
105°	0.0	262.4	556.6	766.5	841.6
107.5°	0.0	257.5	542.5	746.4	820.8
110°	0.0	253.3	531.5	728.0	800.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	249.0	519.9	710.3	779.9
115°	0.0	244.1	506.5	689.6	757.3
117.5°	0.0	237.4	493.1	669.5	737.2
120°	0.0	228.2	479.7	651.1	714.6
122.5°	0.0	219.1	465.6	628.6	689.6
125°	0.0	210.5	449.8	608.4	667.0
127.5°	0.0	196.5	432.1	585.9	640.2
130°	0.0	183.1	409.5	563.3	615.1
132.5°	2.4	169.7	386.9	538.3	590.1
135°	0.0	156.2	361.9	513.2	560.8
137.5°	0.0	144.6	334.4	486.4	531.5
140°	0.0	131.2	307.6	454.6	502.2
142.5°	0.0	115.3	280.7	420.5	470.5
145°	0.0	101.9	253.3	384.5	438.8
147.5°	2.4	90.3	228.2	346.0	404.6
150°	2.4	81.2	203.8	307.6	366.2
152.5°	2.4	72.6	178.8	271.6	327.7
155°	2.4	63.5	156.2	235.0	291.7
157.5°	2.4	54.3	131.2	198.9	253.3
160°	2.4	47.6	108.6	167.2	217.3
162.5°	2.4	40.9	88.5	131.2	178.8
165°	2.4	34.2	70.2	97.0	137.9
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)