

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: P284759

Luminaire Tested: **8SNLED-LD5-96SL-SLW-UNV-L950-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: P284759
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-L950-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: 8821.0 lumens
Efficiency: N/A
Efficacy: 95.9 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

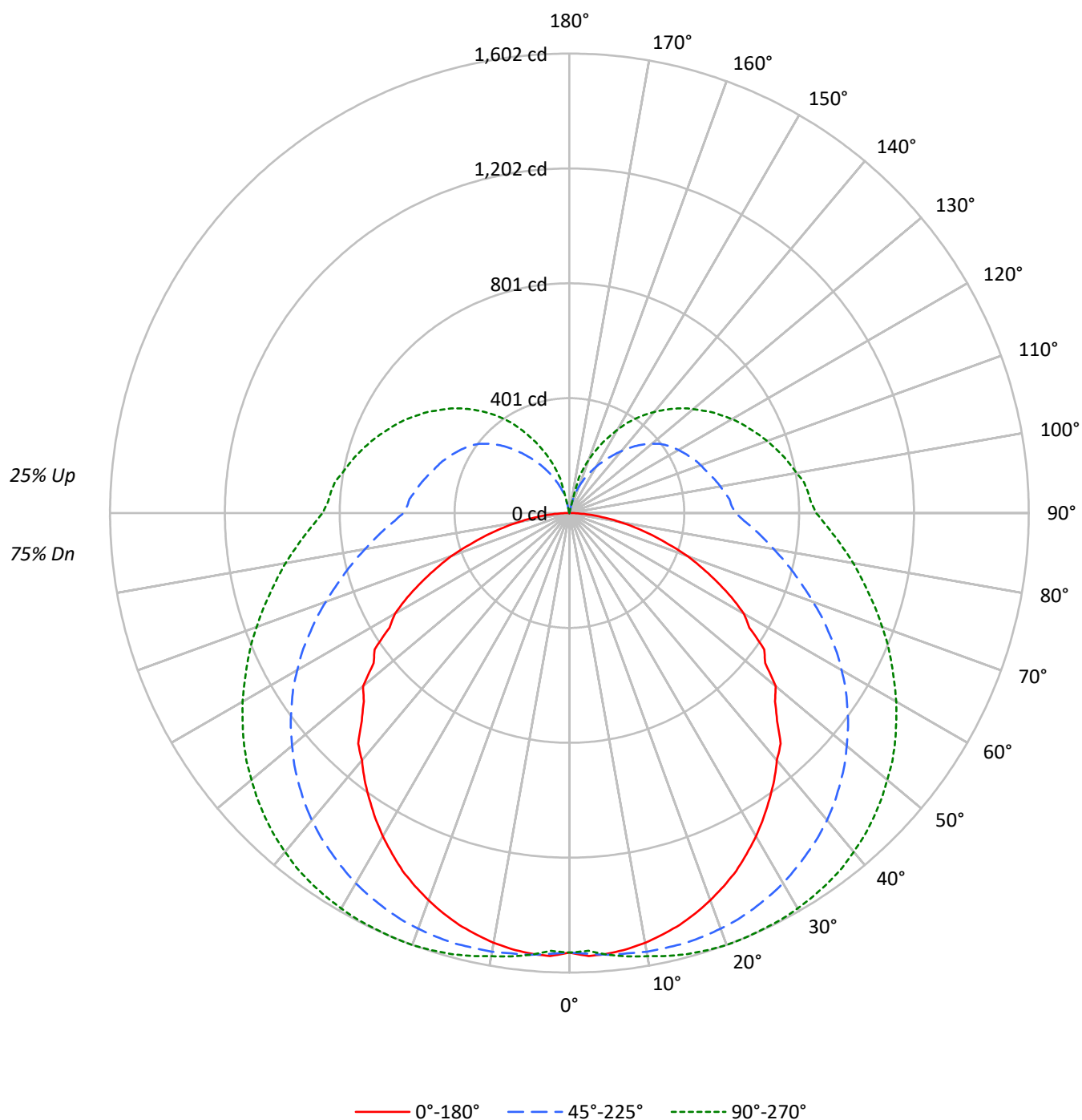
Input Watts (W): 92
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6190	6190	6190
5°	6246	6122	6071
10°	6225	6074	6038
15°	6191	6047	6050
20°	6141	6025	6062
25°	6092	6008	6072
30°	6018	5995	6104
35°	5936	5980	6146
40°	5859	5982	6186
45°	5762	5974	6235
50°	5795	5969	6284
55°	5712	5978	6359
60°	5527	5991	6445
65°	5252	6009	6565
70°	4955	6069	6750
75°	4406	6227	7023
80°	3813	6553	7475
85°	3013	7206	8136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.2	1.7
10°-20°	436.4	4.9
20°-30°	693.5	7.9
30°-40°	890.1	10.1
40°-50°	1005.2	11.4
50°-60°	1025.6	11.6
60°-70°	950.2	10.8
70°-80°	804.5	9.1
80°-90°	642.1	7.3
90°-100°	545.3	6.2
100°-110°	485.8	5.5
110°-120°	413.8	4.7
120°-130°	328.6	3.7
130°-140°	233.2	2.6
140°-150°	139.2	1.6
150°-160°	64.9	0.7
160°-170°	15.4	0.2
170°-180°	0.0	0.0
0°-30°	1277.1	14.5
0°-40°	2167.3	24.6
0°-60°	4198.1	47.6
0°-90°	6594.8	74.8
90°-120°	1444.9	16.4
90°-150°	2145.8	24.3
90°-180°	2226.0	25.2
0°-180°	8821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1532	1532	1532	1532	1532	
5°	1542	1530	1546	1546	1546	146
15°	1486	1498	1553	1581	1592	419
25°	1376	1422	1521	1575	1600	634
35°	1217	1306	1447	1536	1573	762
45°	1024	1163	1335	1451	1501	795
55°	829	968	1184	1328	1387	728
65°	568	757	1001	1173	1240	563
75°	299	529	810	1010	1080	318
85°	77	340	647	856	928	84
90°	4	278	578	788	860	6
95°	0	261	560	765	835	0
105°	0	240	510	702	771	0
115°	0	224	464	632	694	0
125°	0	193	412	558	611	0
135°	0	143	332	470	514	0
145°	0	93	232	352	402	1
155°	2	58	143	215	267	1
165°	2	31	64	89	126	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P284759

CATALOG NUMBER: 8SNLED-LD5-96SL-SLW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1532.0	1532.0	1532.0	1532.0	1532.0
2.5°	1546.0	1529.8	1538.2	1536.0	1527.6
5°	1542.1	1529.8	1546.0	1546.0	1546.0
7.5°	1533.7	1525.3	1548.3	1556.7	1558.9
10°	1521.4	1521.4	1552.7	1565.0	1569.0
12.5°	1504.6	1510.8	1552.7	1571.2	1581.3
15°	1486.2	1498.5	1552.7	1581.3	1591.9
17.5°	1463.2	1483.9	1548.3	1583.5	1598.0
20°	1436.4	1467.7	1542.1	1583.5	1602.5
22.5°	1407.3	1447.0	1533.7	1579.6	1602.5
25°	1376.5	1421.9	1521.4	1575.1	1600.3
27.5°	1339.1	1397.2	1506.9	1569.0	1598.0
30°	1301.6	1368.2	1490.1	1560.6	1591.9
32.5°	1260.2	1336.8	1469.4	1548.3	1583.5
35°	1216.6	1306.1	1447.0	1536.0	1573.4
37.5°	1172.9	1268.6	1424.1	1519.2	1560.6
40°	1125.4	1231.1	1397.2	1498.5	1542.1
42.5°	1090.2	1192.0	1368.2	1477.8	1523.7
45°	1024.2	1162.9	1334.6	1450.9	1500.7
47.5°	972.1	1106.9	1301.6	1424.1	1475.5
50°	939.1	1061.1	1262.4	1392.8	1447.0
52.5°	860.3	1030.3	1225.0	1362.0	1419.6
55°	828.9	968.2	1183.6	1328.4	1386.6
57.5°	743.9	924.6	1142.2	1291.5	1351.4
60°	702.5	864.2	1096.3	1254.0	1316.1
62.5°	638.2	812.7	1051.0	1212.7	1277.0
65°	567.7	756.8	1001.2	1172.9	1239.5
67.5°	501.7	700.9	953.7	1131.6	1202.0
70°	437.4	642.7	903.9	1090.2	1160.6
72.5°	362.5	584.5	855.8	1051.0	1121.5
75°	298.7	528.6	810.5	1009.6	1080.1
77.5°	236.0	474.9	766.9	972.1	1042.6
80°	178.4	422.9	723.2	933.0	1005.1
82.5°	124.2	379.2	684.1	895.5	966.0
85°	76.6	340.1	646.6	855.8	928.5
87.5°	35.2	304.8	609.1	818.9	893.3
90°	3.9	278.0	578.4	787.6	860.3
92.5°	2.2	269.6	566.1	773.0	843.5
95°	0.0	261.2	559.9	764.6	835.1
97.5°	0.0	252.8	545.4	752.3	825.0
100°	0.0	248.9	534.7	733.9	804.3
102.5°	0.0	242.8	522.4	717.1	787.6
105°	0.0	240.5	510.1	702.5	771.3
107.5°	0.0	236.0	497.3	684.1	752.3
110°	0.0	232.1	487.2	667.3	733.9



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CATALOG NUMBER: 8SNLED-LD5-96SL-SLW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	228.2	476.6	651.1	714.8
115°	0.0	223.7	464.3	632.1	694.1
117.5°	0.0	217.6	451.9	613.6	675.7
120°	0.0	209.2	439.6	596.8	655.0
122.5°	0.0	200.8	426.8	576.1	632.1
125°	0.0	193.0	412.2	557.7	611.4
127.5°	0.0	180.1	396.0	537.0	586.8
130°	0.0	167.8	375.3	516.3	563.8
132.5°	2.2	155.5	354.6	493.3	540.9
135°	0.0	143.2	331.7	470.4	514.0
137.5°	0.0	132.6	306.5	445.8	487.2
140°	0.0	120.3	281.9	416.7	460.3
142.5°	0.0	105.7	257.3	385.4	431.3
145°	0.0	93.4	232.1	352.4	402.2
147.5°	2.2	82.8	209.2	317.1	370.8
150°	2.2	74.4	186.8	281.9	335.6
152.5°	2.2	66.6	163.9	248.9	300.4
155°	2.2	58.2	143.2	215.3	267.4
157.5°	2.2	49.8	120.3	182.3	232.1
160°	2.2	43.6	99.6	153.3	199.1
162.5°	2.2	37.5	81.1	120.3	163.9
165°	2.2	31.3	64.3	88.9	126.4
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)