

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-LD5-128SL-SLW-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 (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-128SL-SLW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8235.0 lumens
Efficiency: N/A
Efficacy: 80.0 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

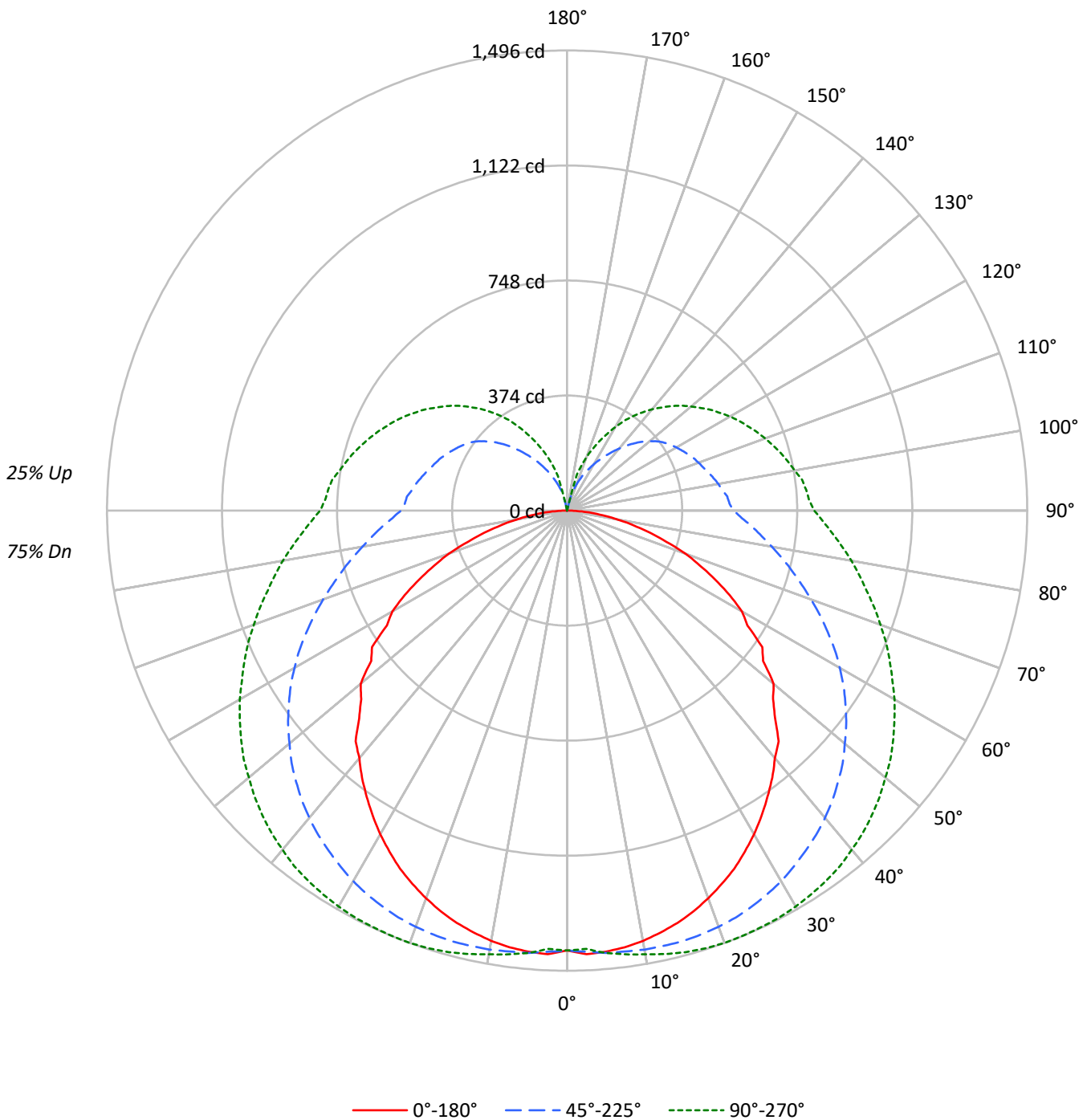
Input Watts (W): 103
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	5778	5778	5778
5°	5831	5717	5669
10°	5812	5670	5637
15°	5780	5645	5648
20°	5733	5624	5659
25°	5687	5609	5668
30°	5619	5598	5699
35°	5542	5582	5737
40°	5471	5584	5775
45°	5378	5579	5821
50°	5410	5572	5866
55°	5333	5580	5937
60°	5161	5594	6018
65°	4905	5609	6129
70°	4625	5664	6302
75°	4111	5813	6556
80°	3557	6119	6979
85°	2816	6727	7596



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.5	1.7
10°-20°	407.4	4.9
20°-30°	647.5	7.9
30°-40°	831.0	10.1
40°-50°	938.4	11.4
50°-60°	957.5	11.6
60°-70°	887.1	10.8
70°-80°	751.0	9.1
80°-90°	599.5	7.3
90°-100°	509.0	6.2
100°-110°	453.5	5.5
110°-120°	386.3	4.7
120°-130°	306.8	3.7
130°-140°	217.6	2.6
140°-150°	130.0	1.6
150°-160°	60.6	0.7
160°-170°	14.4	0.2
170°-180°	0.0	0.0
0°-30°	1192.3	14.5
0°-40°	2023.3	24.6
0°-60°	3919.2	47.6
0°-90°	6156.8	74.8
90°-120°	1348.8	16.4
90°-150°	2003.3	24.3
90°-180°	2078.0	25.2
0°-180°	8235.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1430	1430	1430	1430	1430	
5°	1440	1428	1444	1444	1444	137
15°	1388	1399	1449	1476	1486	391
25°	1285	1328	1420	1471	1494	592
35°	1136	1219	1351	1434	1469	711
45°	956	1086	1246	1355	1401	742
55°	774	904	1105	1240	1295	680
65°	530	706	935	1095	1157	526
75°	279	493	757	942	1008	297
85°	72	317	604	799	867	78
90°	4	259	540	735	803	6
95°	0	244	522	714	780	0
105°	0	224	476	656	720	0
115°	0	209	434	590	648	0
125°	0	180	385	520	571	0
135°	0	134	310	439	480	0
145°	0	87	217	329	375	1
155°	2	54	134	201	250	1
165°	2	29	60	83	118	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°	1430.0	1430.0	1430.0	1430.0	1430.0
2.5°	1443.6	1428.1	1435.8	1433.9	1426.2
5°	1439.7	1428.1	1443.6	1443.6	1443.6
7.5°	1432.0	1424.2	1445.5	1453.3	1455.2
10°	1420.4	1420.4	1449.4	1461.0	1464.9
12.5°	1404.9	1410.7	1449.4	1466.8	1476.5
15°	1387.5	1399.1	1449.4	1476.5	1486.1
17.5°	1366.2	1385.5	1445.5	1478.4	1492.0
20°	1341.0	1370.0	1439.7	1478.4	1495.8
22.5°	1313.9	1350.7	1432.0	1474.5	1495.8
25°	1284.9	1327.5	1420.4	1470.7	1493.9
27.5°	1250.1	1304.3	1406.8	1464.9	1492.0
30°	1215.2	1277.2	1391.3	1457.1	1486.1
32.5°	1176.5	1248.1	1372.0	1445.5	1478.4
35°	1135.9	1219.1	1350.7	1433.9	1468.7
37.5°	1095.3	1184.3	1329.4	1418.4	1457.1
40°	1050.8	1149.4	1304.3	1399.1	1439.7
42.5°	1017.9	1112.7	1277.2	1379.7	1422.3
45°	955.9	1085.6	1246.2	1354.6	1401.0
47.5°	907.6	1033.3	1215.2	1329.4	1377.8
50°	876.6	990.8	1178.5	1300.4	1350.7
52.5°	803.1	961.7	1143.6	1271.4	1325.5
55°	774.0	903.7	1104.9	1240.4	1294.6
57.5°	694.7	863.1	1066.2	1205.6	1261.7
60°	656.0	806.9	1023.7	1170.7	1228.8
62.5°	596.0	758.6	981.1	1132.0	1192.0
65°	530.2	706.3	934.6	1095.3	1157.2
67.5°	468.3	654.1	890.1	1056.6	1122.4
70°	408.3	599.9	843.7	1017.9	1083.7
72.5°	338.6	545.7	799.2	981.1	1046.9
75°	278.7	493.4	756.6	942.4	1008.2
77.5°	220.6	443.1	716.0	907.6	973.4
80°	166.4	394.8	675.3	870.8	938.5
82.5°	116.1	354.1	638.6	836.0	901.8
85°	71.6	317.4	603.7	799.2	866.9
87.5°	32.9	284.5	568.9	764.4	834.0
90°	3.9	259.3	539.9	735.3	803.1
92.5°	1.9	251.6	528.3	721.8	787.6
95°	0.0	243.8	522.5	714.0	779.8
97.5°	0.0	236.1	508.9	702.4	770.2
100°	0.0	232.2	499.3	685.0	750.8
102.5°	0.0	226.4	487.6	669.5	735.3
105°	0.0	224.5	476.0	656.0	719.9
107.5°	0.0	220.6	464.4	638.6	702.4
110°	0.0	216.7	454.7	623.1	685.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	212.9	445.1	607.6	667.6
115°	0.0	209.0	433.5	590.2	648.3
117.5°	0.0	203.2	421.8	572.8	630.8
120°	0.0	195.4	410.2	557.3	611.5
122.5°	0.0	187.7	398.6	538.0	590.2
125°	0.0	180.0	385.1	520.5	570.9
127.5°	0.0	168.4	369.6	501.2	547.6
130°	0.0	156.7	350.3	481.8	526.3
132.5°	1.9	145.1	330.9	460.6	505.1
135°	0.0	133.5	309.6	439.3	479.9
137.5°	0.0	123.8	286.4	416.0	454.7
140°	0.0	112.2	263.2	389.0	429.6
142.5°	0.0	98.7	240.0	359.9	402.5
145°	0.0	87.1	216.7	329.0	375.4
147.5°	1.9	77.4	195.4	296.1	346.4
150°	1.9	69.7	174.2	263.2	313.5
152.5°	1.9	61.9	152.9	232.2	280.6
155°	1.9	54.2	133.5	201.2	249.6
157.5°	1.9	46.4	112.2	170.3	216.7
160°	1.9	40.6	92.9	143.2	185.8
162.5°	1.9	34.8	75.5	112.2	152.9
165°	1.9	29.0	60.0	83.2	118.0
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)