

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-L935-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-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

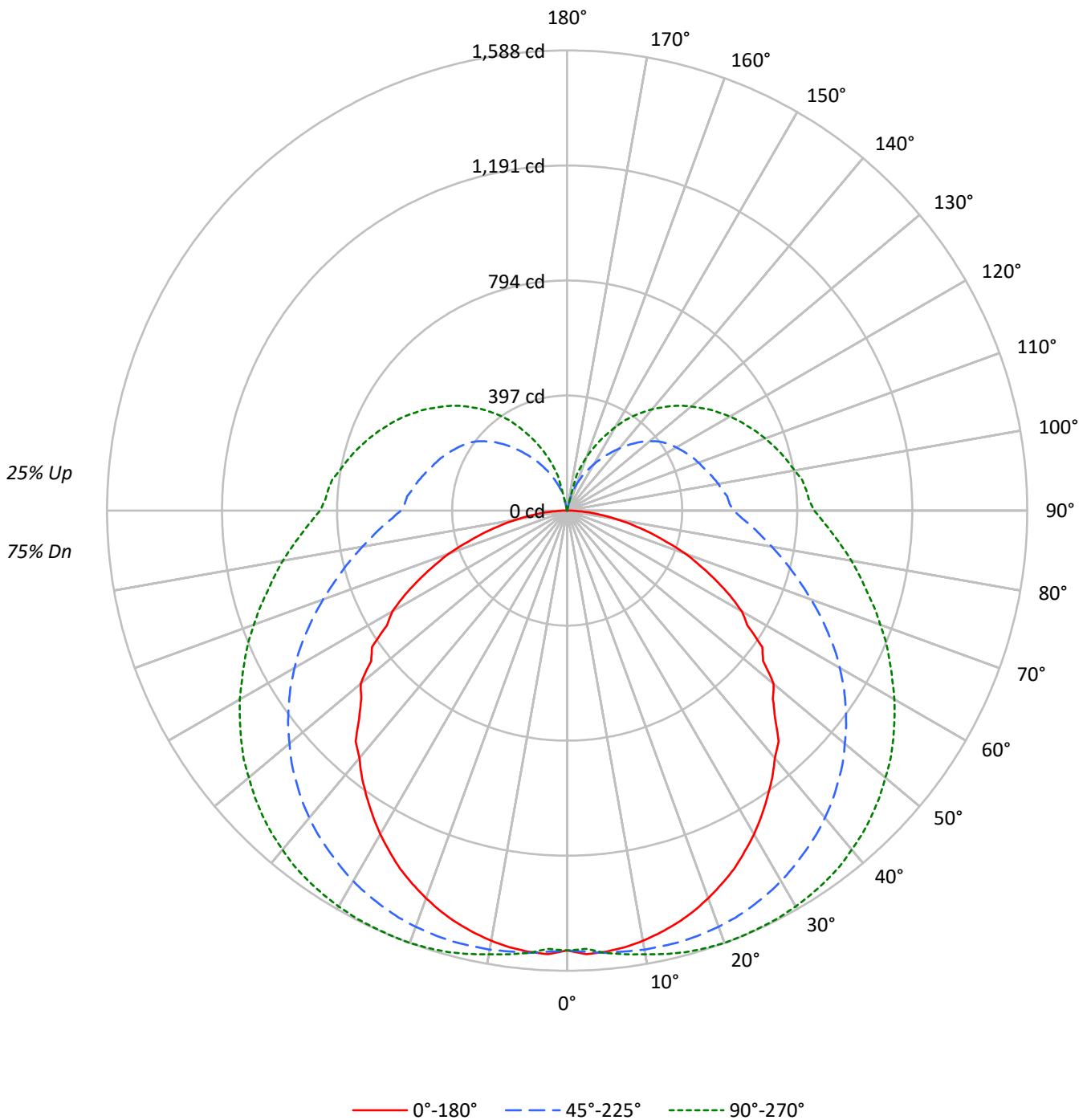
Lumens per Lamp: N/A
Luminaire Lumens: 8741.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 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°	6133	6133	6133
5°	6190	6068	6017
10°	6168	6018	5983
15°	6135	5991	5996
20°	6086	5970	6006
25°	6037	5954	6016
30°	5964	5942	6049
35°	5883	5925	6089
40°	5807	5927	6130
45°	5709	5921	6178
50°	5742	5914	6227
55°	5661	5923	6302
60°	5479	5938	6387
65°	5206	5955	6506
70°	4909	6012	6689
75°	4363	6171	6958
80°	3775	6495	7408
85°	2989	7141	8063



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.9	1.7
10°-20°	432.4	4.9
20°-30°	687.3	7.9
30°-40°	882.1	10.1
40°-50°	996.1	11.4
50°-60°	1016.3	11.6
60°-70°	941.6	10.8
70°-80°	797.1	9.1
80°-90°	636.3	7.3
90°-100°	540.3	6.2
100°-110°	481.4	5.5
110°-120°	410.0	4.7
120°-130°	325.7	3.7
130°-140°	231.0	2.6
140°-150°	137.9	1.6
150°-160°	64.3	0.7
160°-170°	15.3	0.2
170°-180°	0.0	0.0
0°-30°	1265.6	14.5
0°-40°	2147.6	24.6
0°-60°	4160.0	47.6
0°-90°	6535.1	74.8
90°-120°	1431.7	16.4
90°-150°	2126.4	24.3
90°-180°	2206.0	25.2
0°-180°	8741.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1518	1518	1518	1518	1518	
5°	1528	1516	1532	1532	1532	145
15°	1473	1485	1538	1567	1578	415
25°	1364	1409	1508	1561	1586	628
35°	1206	1294	1434	1522	1559	755
45°	1015	1152	1323	1438	1487	788
55°	822	959	1173	1317	1374	721
65°	563	750	992	1163	1228	558
75°	296	524	803	1000	1070	315
85°	76	337	641	848	920	83
90°	4	275	573	780	852	6
95°	0	259	555	758	828	0
105°	0	238	505	696	764	0
115°	0	222	460	626	688	0
125°	0	191	409	552	606	0
135°	0	142	329	466	509	0
145°	0	92	230	349	398	1
155°	2	58	142	214	265	1
165°	2	31	64	88	125	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°	1517.9	1517.9	1517.9	1517.9	1517.9
2.5°	1532.3	1515.8	1524.1	1522.0	1513.8
5°	1528.2	1515.8	1532.3	1532.3	1532.3
7.5°	1520.0	1511.7	1534.3	1542.5	1544.6
10°	1507.6	1507.6	1538.4	1550.8	1554.9
12.5°	1491.2	1497.4	1538.4	1556.9	1567.2
15°	1472.7	1485.0	1538.4	1567.2	1577.5
17.5°	1450.1	1470.7	1534.3	1569.3	1583.6
20°	1423.4	1454.2	1528.2	1569.3	1587.7
22.5°	1394.7	1433.7	1520.0	1565.1	1587.7
25°	1363.9	1409.0	1507.6	1561.0	1585.7
27.5°	1326.9	1384.4	1493.3	1554.9	1583.6
30°	1289.9	1355.6	1476.8	1546.7	1577.5
32.5°	1248.8	1324.8	1456.3	1534.3	1569.3
35°	1205.7	1294.0	1433.7	1522.0	1559.0
37.5°	1162.6	1257.0	1411.1	1505.6	1546.7
40°	1115.3	1220.1	1384.4	1485.0	1528.2
42.5°	1080.4	1181.0	1355.6	1464.5	1509.7
45°	1014.7	1152.3	1322.8	1437.8	1487.1
47.5°	963.3	1096.8	1289.9	1411.1	1462.4
50°	930.5	1051.6	1250.9	1380.3	1433.7
52.5°	852.4	1020.8	1213.9	1349.5	1407.0
55°	821.6	959.2	1172.8	1316.6	1374.1
57.5°	737.4	916.1	1131.7	1279.6	1339.2
60°	696.3	856.5	1086.6	1242.7	1304.3
62.5°	632.6	805.2	1041.4	1201.6	1265.3
65°	562.8	749.7	992.1	1162.6	1228.3
67.5°	497.1	694.2	944.8	1121.5	1191.3
70°	433.4	636.7	895.5	1080.4	1150.2
72.5°	359.4	579.2	848.3	1041.4	1111.2
75°	295.8	523.8	803.1	1000.3	1070.1
77.5°	234.2	470.4	760.0	963.3	1033.2
80°	176.6	419.0	716.8	924.3	996.2
82.5°	123.2	375.9	677.8	887.3	957.2
85°	76.0	336.9	640.8	848.3	920.2
87.5°	34.9	301.9	603.9	811.3	885.3
90°	4.1	275.2	573.1	780.5	852.4
92.5°	2.1	267.0	560.7	766.1	836.0
95°	0.0	258.8	554.6	757.9	827.8
97.5°	0.0	250.6	540.2	745.6	817.5
100°	0.0	246.5	529.9	727.1	796.9
102.5°	0.0	240.3	517.6	710.7	780.5
105°	0.0	238.3	505.3	696.3	764.1
107.5°	0.0	234.2	493.0	677.8	745.6
110°	0.0	230.0	482.7	661.4	727.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	225.9	472.4	645.0	708.6
115°	0.0	221.8	460.1	626.5	688.1
117.5°	0.0	215.7	447.8	608.0	669.6
120°	0.0	207.5	435.4	591.5	649.1
122.5°	0.0	199.2	423.1	571.0	626.5
125°	0.0	191.0	408.7	552.5	605.9
127.5°	0.0	178.7	392.3	532.0	581.3
130°	0.0	166.4	371.8	511.4	558.7
132.5°	2.1	154.0	351.2	488.9	536.1
135°	0.0	141.7	328.6	466.3	509.4
137.5°	0.0	131.5	304.0	441.6	482.7
140°	0.0	119.1	279.3	412.9	456.0
142.5°	0.0	104.8	254.7	382.0	427.2
145°	0.0	92.4	230.0	349.2	398.5
147.5°	2.1	82.2	207.5	314.3	367.7
150°	2.1	73.9	184.9	279.3	332.7
152.5°	2.1	65.7	162.3	246.5	297.8
155°	2.1	57.5	141.7	213.6	265.0
157.5°	2.1	49.3	119.1	180.8	230.0
160°	2.1	43.1	98.6	152.0	197.2
162.5°	2.1	37.0	80.1	119.1	162.3
165°	2.1	30.8	63.7	88.3	125.3
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)