

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

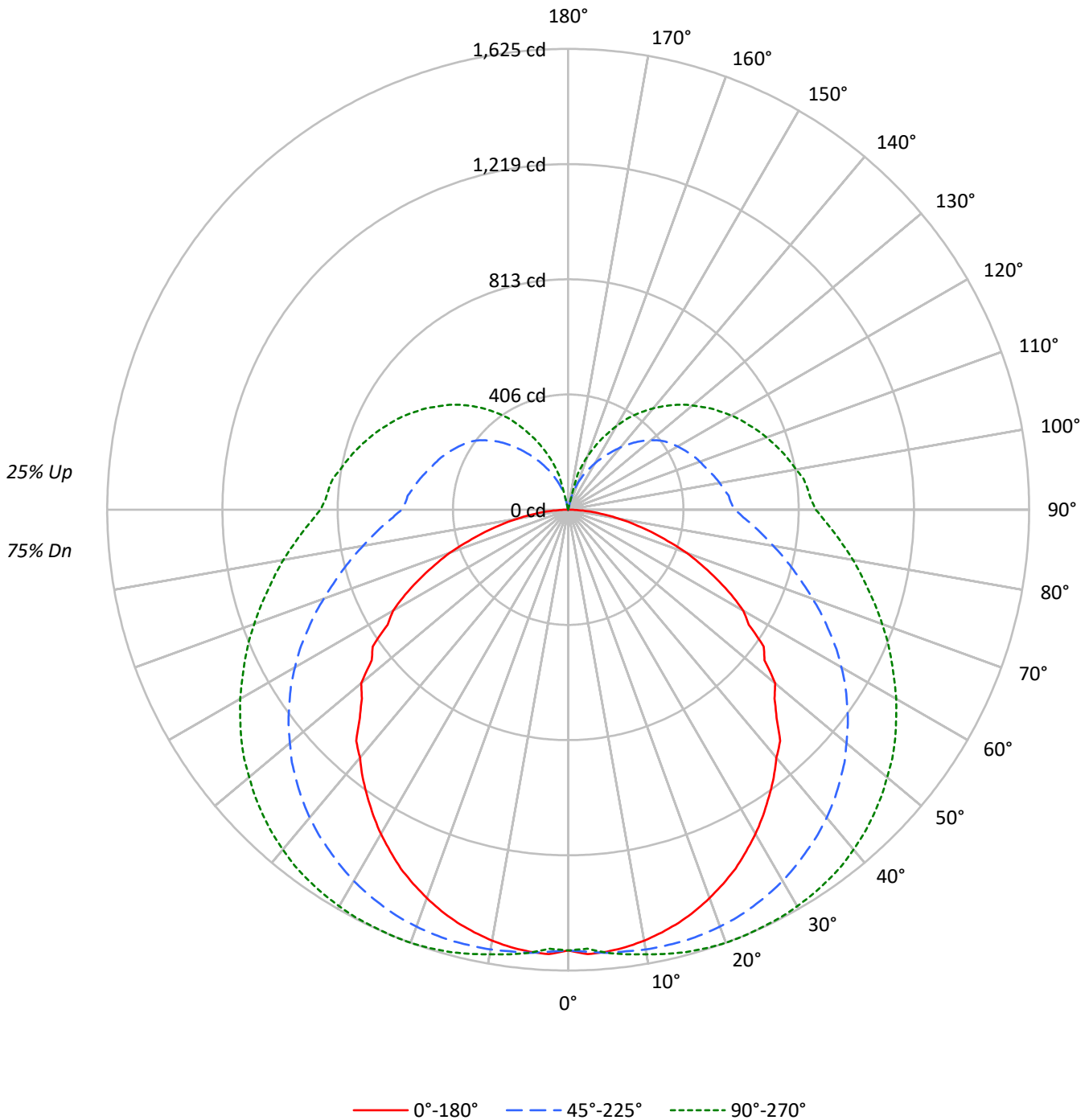
Lumens per Lamp: N/A
Luminaire Lumens: 8948.0 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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°	6278	6278	6278
5°	6336	6212	6160
10°	6315	6161	6125
15°	6280	6133	6137
20°	6230	6112	6148
25°	6179	6095	6159
30°	6106	6082	6192
35°	6022	6065	6233
40°	5944	6067	6275
45°	5844	6062	6325
50°	5878	6054	6374
55°	5796	6063	6451
60°	5608	6078	6539
65°	5329	6096	6660
70°	5026	6154	6848
75°	4467	6316	7123
80°	3864	6649	7584
85°	3060	7310	8254



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.4	1.7
10°-20°	442.7	4.9
20°-30°	703.5	7.9
30°-40°	903.0	10.1
40°-50°	1019.6	11.4
50°-60°	1040.4	11.6
60°-70°	963.9	10.8
70°-80°	816.0	9.1
80°-90°	651.4	7.3
90°-100°	553.1	6.2
100°-110°	492.8	5.5
110°-120°	419.7	4.7
120°-130°	333.4	3.7
130°-140°	236.5	2.6
140°-150°	141.2	1.6
150°-160°	65.8	0.7
160°-170°	15.6	0.2
170°-180°	0.0	0.0
0°-30°	1295.6	14.5
0°-40°	2198.5	24.6
0°-60°	4258.6	47.6
0°-90°	6689.8	74.8
90°-120°	1465.6	16.4
90°-150°	2176.7	24.3
90°-180°	2258.0	25.2
0°-180°	8948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1554	1554	1554	1554	1554	
5°	1564	1552	1569	1569	1569	149
15°	1508	1520	1575	1604	1615	425
25°	1396	1442	1543	1598	1623	643
35°	1234	1325	1468	1558	1596	773
45°	1039	1180	1354	1472	1522	807
55°	841	982	1201	1348	1407	738
65°	576	768	1016	1190	1257	572
75°	303	536	822	1024	1096	322
85°	78	345	656	868	942	85
90°	4	282	587	799	873	6
95°	0	265	568	776	847	0
105°	0	244	517	713	782	0
115°	0	227	471	641	704	0
125°	0	196	418	566	620	0
135°	0	145	336	477	522	0
145°	0	95	236	357	408	1
155°	2	59	145	219	271	1
165°	2	32	65	90	128	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°	1553.8	1553.8	1553.8	1553.8	1553.8
2.5°	1568.6	1551.7	1560.2	1558.1	1549.6
5°	1564.4	1551.7	1568.6	1568.6	1568.6
7.5°	1555.9	1547.5	1570.7	1579.1	1581.2
10°	1543.3	1543.3	1574.9	1587.5	1591.7
12.5°	1526.5	1532.8	1574.9	1593.8	1604.3
15°	1507.6	1520.2	1574.9	1604.3	1614.8
17.5°	1484.5	1505.5	1570.7	1606.4	1621.1
20°	1457.1	1488.7	1564.4	1606.4	1625.3
22.5°	1427.7	1467.6	1555.9	1602.2	1625.3
25°	1396.1	1442.4	1543.3	1598.0	1623.2
27.5°	1358.3	1417.2	1528.6	1591.7	1621.1
30°	1320.5	1387.7	1511.8	1583.3	1614.8
32.5°	1278.4	1356.2	1490.8	1570.7	1606.4
35°	1234.2	1324.7	1467.6	1558.1	1595.9
37.5°	1190.1	1286.8	1444.5	1541.2	1583.3
40°	1141.7	1249.0	1417.2	1520.2	1564.4
42.5°	1106.0	1209.0	1387.7	1499.2	1545.4
45°	1038.7	1179.6	1354.1	1471.8	1522.3
47.5°	986.1	1122.8	1320.5	1444.5	1497.1
50°	952.5	1076.5	1280.5	1413.0	1467.6
52.5°	872.6	1045.0	1242.7	1381.4	1440.3
55°	841.1	981.9	1200.6	1347.8	1406.7
57.5°	754.8	937.8	1158.6	1309.9	1370.9
60°	712.8	876.8	1112.3	1272.1	1335.2
62.5°	647.6	824.2	1066.0	1230.0	1295.2
65°	576.1	767.5	1015.6	1190.1	1257.4
67.5°	508.8	710.7	967.2	1148.0	1219.5
70°	443.7	651.8	916.7	1106.0	1177.5
72.5°	368.0	592.9	868.4	1066.0	1137.5
75°	302.8	536.2	822.1	1024.0	1095.5
77.5°	239.7	481.5	778.0	986.1	1057.6
80°	180.8	428.9	733.8	946.2	1019.8
82.5°	126.2	384.8	693.9	908.3	979.8
85°	77.8	344.8	656.0	868.4	942.0
87.5°	35.7	309.1	618.2	830.5	906.2
90°	4.2	281.8	586.6	799.0	872.6
92.5°	2.1	273.3	574.0	784.3	855.8
95°	0.0	264.9	567.7	775.9	847.4
97.5°	0.0	256.5	553.0	763.3	836.8
100°	0.0	252.3	542.5	744.3	815.8
102.5°	0.0	246.0	529.9	727.5	799.0
105°	0.0	243.9	517.2	712.8	782.2
107.5°	0.0	239.7	504.6	693.9	763.3
110°	0.0	235.5	494.1	677.0	744.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	231.3	483.6	660.2	725.4
115°	0.0	227.1	471.0	641.3	704.4
117.5°	0.0	220.8	458.4	622.4	685.5
120°	0.0	212.4	445.8	605.6	664.4
122.5°	0.0	204.0	433.1	584.5	641.3
125°	0.0	195.5	418.4	565.6	620.3
127.5°	0.0	182.9	401.6	544.6	595.0
130°	0.0	170.3	380.6	523.6	571.9
132.5°	2.1	157.7	359.6	500.4	548.8
135°	0.0	145.1	336.4	477.3	521.5
137.5°	0.0	134.6	311.2	452.1	494.1
140°	0.0	122.0	286.0	422.6	466.8
142.5°	0.0	107.2	260.7	391.1	437.3
145°	0.0	94.6	235.5	357.4	407.9
147.5°	2.1	84.1	212.4	321.7	376.4
150°	2.1	75.7	189.2	286.0	340.6
152.5°	2.1	67.3	166.1	252.3	304.9
155°	2.1	58.9	145.1	218.7	271.2
157.5°	2.1	50.5	122.0	185.0	235.5
160°	2.1	44.2	100.9	155.6	201.9
162.5°	2.1	37.8	82.0	122.0	166.1
165°	2.1	31.5	65.2	90.4	128.3
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)