

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-LD5-127SL-SLC-UNV-L950-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-127SL-SLC-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

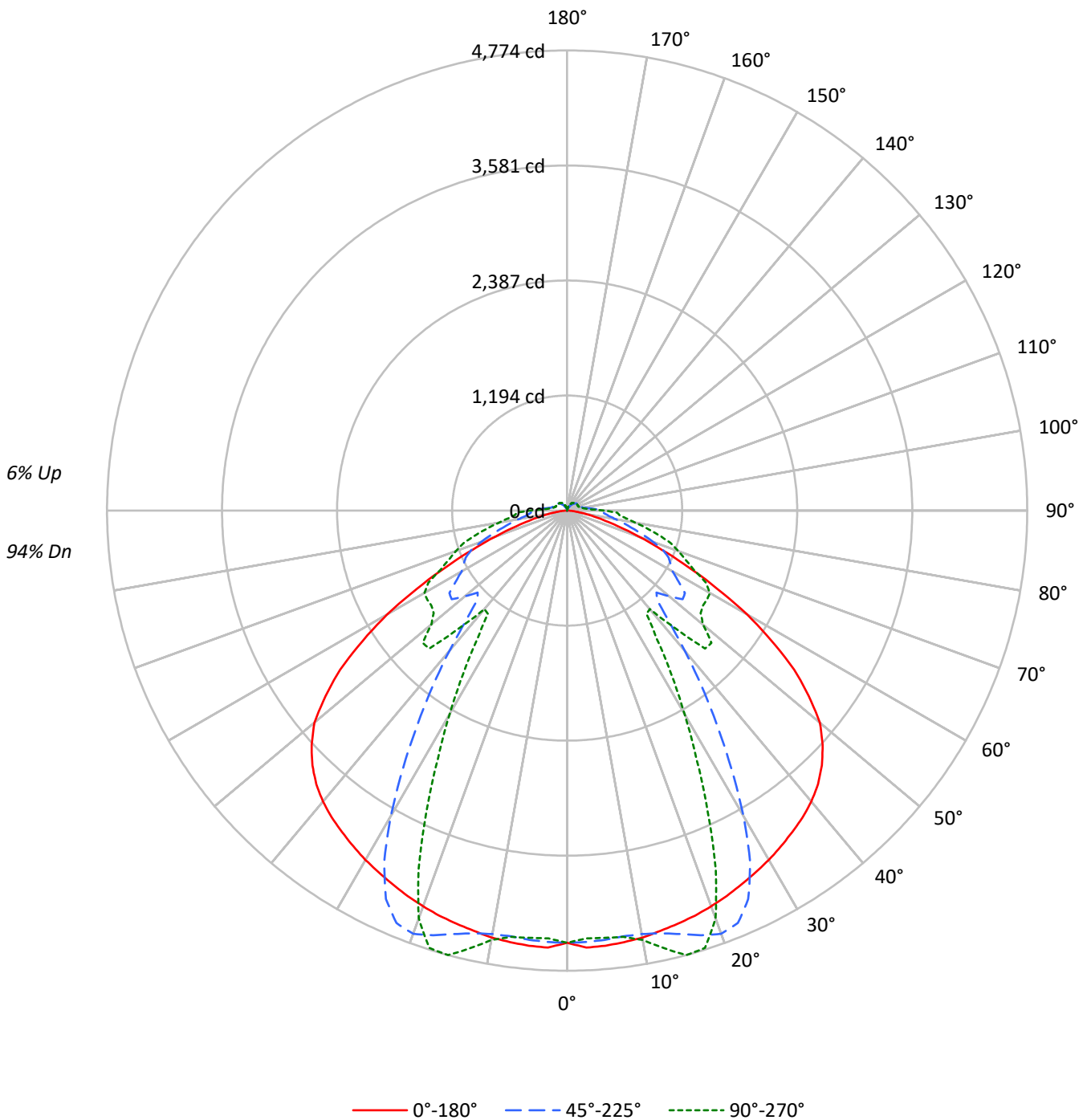
Lumens per Lamp: N/A
Luminaire Lumens: 11514.0 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18111	18111	18111
5°	18356	17703	17470
10°	18405	17450	17409
15°	18482	17712	18145
20°	18681	18255	17031
25°	18943	17560	13114
30°	19349	14721	9328
35°	19866	11160	6316
40°	20516	8121	5348
45°	21032	5898	8409
50°	21121	6539	7980
55°	19811	7536	7880
60°	16954	6906	8376
65°	12831	6979	7662
70°	9080	6367	7131
75°	6029	5351	6399
80°	3944	4603	5327
85°	2262	4401	4782



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.4	3.7
10°-20°	1287.8	11.2
20°-30°	1870.7	16.2
30°-40°	1787.4	15.5
40°-50°	1635.0	14.2
50°-60°	1509.6	13.1
60°-70°	1199.1	10.4
70°-80°	740.1	6.4
80°-90°	403.0	3.5
90°-100°	203.7	1.8
100°-110°	128.0	1.1
110°-120°	108.4	0.9
120°-130°	88.6	0.8
130°-140°	63.5	0.6
140°-150°	39.2	0.3
150°-160°	18.6	0.2
160°-170°	4.8	0.0
170°-180°	0.0	0.0
0°-30°	3584.9	31.1
0°-40°	5372.3	46.7
0°-60°	8516.9	74.0
0°-90°	10859.2	94.3
90°-120°	440.1	3.8
90°-150°	631.4	5.5
90°-180°	655.0	5.7
0°-180°	11514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4482	4482	4482	4482	4482	
5°	4532	4462	4470	4447	4449	431
15°	4437	4377	4548	4716	4774	1256
25°	4280	4363	4447	3764	3456	1978
35°	4072	4006	2700	1859	1617	2553
45°	3738	2607	1318	1681	2024	2873
55°	2875	1337	1492	1605	1718	2532
65°	1387	867	1163	1413	1446	1403
75°	409	462	696	923	984	463
85°	58	196	395	538	546	73
90°	2	147	353	419	387	3
95°	0	137	244	216	204	0
105°	0	123	151	137	135	0
115°	0	101	145	129	123	1
125°	2	81	129	125	119	2
135°	2	58	103	113	109	2
145°	2	36	71	91	97	1
155°	4	22	44	58	69	1
165°	4	12	22	28	38	1
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°	4482.3	4482.3	4482.3	4482.3	4482.3
2.5°	4537.8	4472.4	4480.3	4466.4	4442.6
5°	4531.9	4462.4	4470.4	4446.6	4448.6
7.5°	4516.0	4444.6	4454.5	4450.5	4460.5
10°	4498.2	4422.8	4460.5	4494.2	4524.0
12.5°	4466.4	4399.0	4490.2	4589.4	4650.9
15°	4436.7	4377.1	4547.8	4716.4	4774.0
17.5°	4406.9	4369.2	4619.2	4766.0	4758.1
20°	4369.2	4365.2	4672.8	4623.2	4502.1
22.5°	4327.5	4367.2	4631.1	4268.0	4029.9
25°	4279.9	4363.2	4446.6	3764.0	3456.5
27.5°	4232.3	4345.4	4111.2	3212.4	2908.8
30°	4184.7	4297.8	3658.9	2708.4	2432.6
32.5°	4129.1	4194.6	3166.8	2262.0	2008.0
35°	4071.6	4006.1	2700.5	1859.2	1617.1
37.5°	4012.0	3734.2	2281.8	1506.0	1351.2
40°	3940.6	3393.0	1896.9	1291.7	1333.4
42.5°	3851.3	3008.0	1557.6	1355.2	1644.9
45°	3738.2	2607.2	1317.5	1680.6	2023.9
47.5°	3595.4	2222.3	1258.0	1924.7	2031.8
50°	3422.7	1869.1	1383.0	1845.3	1837.4
52.5°	3160.8	1575.4	1510.0	1682.6	1746.1
55°	2875.1	1337.3	1492.1	1605.2	1718.3
57.5°	2514.0	1176.6	1369.1	1589.3	1720.3
60°	2154.8	1069.5	1263.9	1587.4	1710.4
62.5°	1758.0	972.3	1210.4	1549.7	1623.1
65°	1387.0	867.1	1162.7	1412.7	1446.5
67.5°	1063.5	759.9	1079.4	1260.0	1327.4
70°	801.6	654.8	948.4	1142.9	1226.2
72.5°	577.4	555.6	813.5	1039.7	1127.0
75°	408.7	462.3	696.5	922.6	984.2
77.5°	281.8	377.0	597.2	793.7	843.3
80°	184.5	301.6	508.0	682.6	716.3
82.5°	111.1	242.1	440.5	597.2	615.1
85°	57.5	196.4	394.9	537.7	545.7
87.5°	17.9	164.7	369.1	509.9	519.9
90°	2.0	146.8	353.2	418.7	386.9
92.5°	0.0	138.9	305.6	285.7	256.0
95°	0.0	136.9	244.1	216.3	204.4
97.5°	0.0	132.9	200.4	180.6	174.6
100°	0.0	129.0	172.6	158.7	156.8
102.5°	0.0	127.0	156.8	144.8	142.9
105°	0.0	123.0	150.8	136.9	134.9
107.5°	0.0	117.1	146.8	132.9	129.0
110°	0.0	111.1	146.8	131.0	125.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	105.2	146.8	129.0	123.0
115°	0.0	101.2	144.8	129.0	123.0
117.5°	2.0	97.2	142.9	129.0	123.0
120°	0.0	93.3	138.9	129.0	121.0
122.5°	2.0	87.3	134.9	127.0	121.0
125°	2.0	81.4	129.0	125.0	119.1
127.5°	2.0	75.4	123.0	121.0	115.1
130°	2.0	69.4	117.1	119.1	113.1
132.5°	2.0	63.5	109.1	115.1	111.1
135°	2.0	57.5	103.2	113.1	109.1
137.5°	2.0	51.6	95.2	107.1	107.1
140°	2.0	45.6	87.3	103.2	105.2
142.5°	2.0	41.7	79.4	99.2	101.2
145°	2.0	35.7	71.4	91.3	97.2
147.5°	2.0	31.7	63.5	83.3	91.3
150°	2.0	27.8	55.6	75.4	83.3
152.5°	2.0	23.8	49.6	65.5	77.4
155°	4.0	21.8	43.7	57.5	69.4
157.5°	4.0	17.9	35.7	49.6	59.5
160°	4.0	15.9	31.7	41.7	53.6
162.5°	4.0	13.9	25.8	35.7	45.6
165°	4.0	11.9	21.8	27.8	37.7
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)