

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-L835-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-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

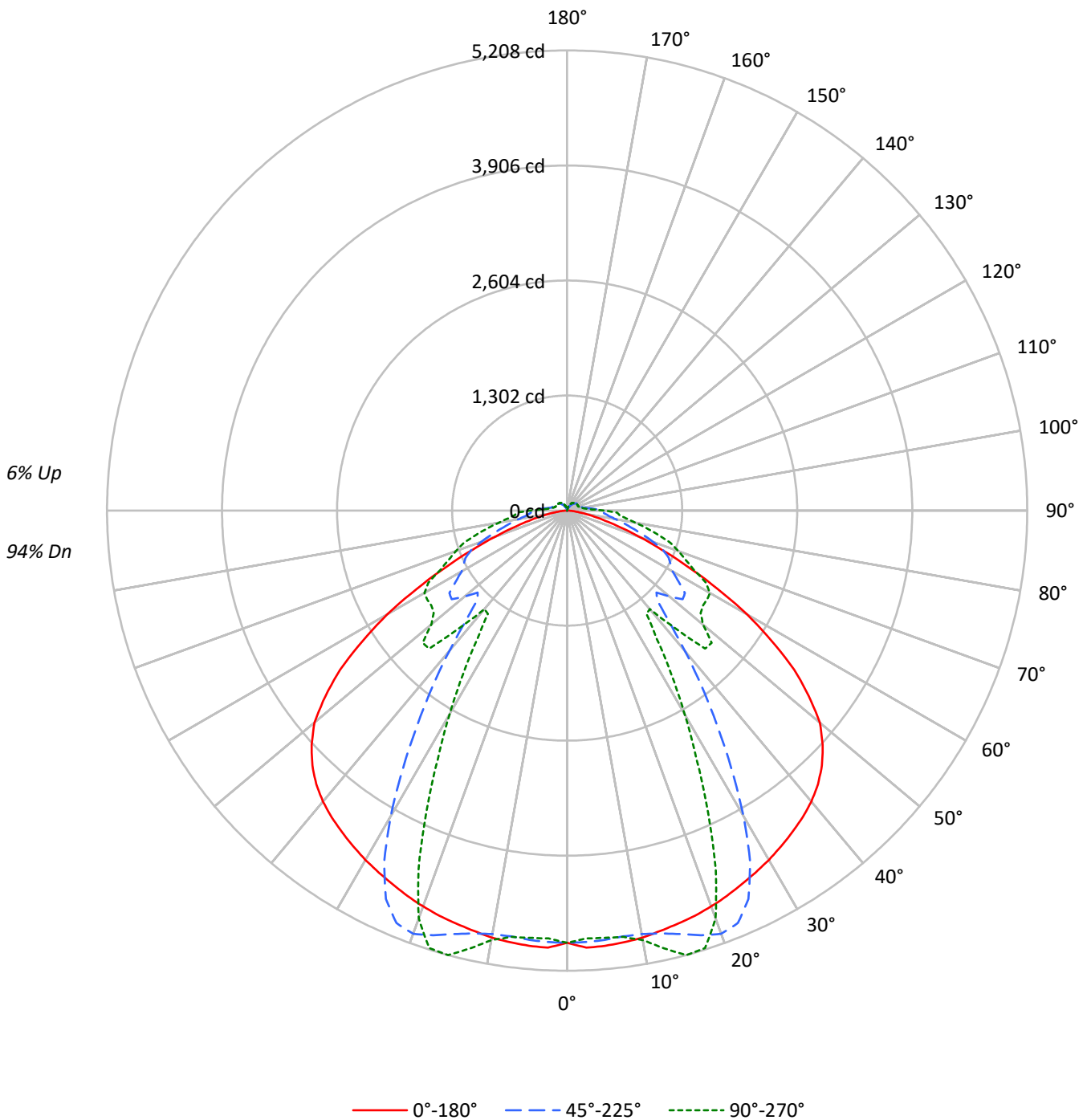
Lumens per Lamp: N/A
Luminaire Lumens: 12562.0 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	19759	19759	19759
5°	20027	19315	19060
10°	20080	19038	18993
15°	20164	19323	19796
20°	20381	19917	18582
25°	20667	19158	14308
30°	21110	16061	10177
35°	21674	12176	6891
40°	22383	8860	5835
45°	22947	6435	9174
50°	23044	7134	8706
55°	21615	8221	8597
60°	18498	7535	9138
65°	13998	7614	8359
70°	9907	6947	7780
75°	6578	5838	6981
80°	4303	5022	5812
85°	2470	4801	5216



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.2	3.7
10°-20°	1405.0	11.2
20°-30°	2041.0	16.2
30°-40°	1950.1	15.5
40°-50°	1783.8	14.2
50°-60°	1647.0	13.1
60°-70°	1308.3	10.4
70°-80°	807.5	6.4
80°-90°	439.7	3.5
90°-100°	222.2	1.8
100°-110°	139.6	1.1
110°-120°	118.3	0.9
120°-130°	96.6	0.8
130°-140°	69.3	0.6
140°-150°	42.7	0.3
150°-160°	20.3	0.2
160°-170°	5.3	0.0
170°-180°	0.0	0.0
0°-30°	3911.2	31.1
0°-40°	5861.3	46.7
0°-60°	9292.1	74.0
0°-90°	11847.6	94.3
90°-120°	480.2	3.8
90°-150°	688.9	5.5
90°-180°	714.0	5.7
0°-180°	12562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4890	4890	4890	4890	4890	
5°	4944	4869	4877	4851	4854	471
15°	4840	4776	4962	5146	5208	1370
25°	4670	4760	4851	4107	3771	2158
35°	4442	4371	2946	2028	1764	2785
45°	4078	2844	1437	1834	2208	3134
55°	3137	1459	1628	1751	1875	2763
65°	1513	946	1269	1541	1578	1530
75°	446	504	760	1007	1074	506
85°	63	214	431	587	595	80
90°	2	160	385	457	422	3
95°	0	149	266	236	223	0
105°	0	134	164	149	147	0
115°	0	110	158	141	134	1
125°	2	89	141	136	130	2
135°	2	63	113	123	119	2
145°	2	39	78	100	106	1
155°	4	24	48	63	76	2
165°	4	13	24	30	41	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°	4890.3	4890.3	4890.3	4890.3	4890.3
2.5°	4950.9	4879.4	4888.1	4872.9	4847.0
5°	4944.4	4868.6	4877.3	4851.3	4853.5
7.5°	4927.1	4849.1	4860.0	4855.6	4866.5
10°	4907.6	4825.3	4866.5	4903.3	4935.7
12.5°	4872.9	4799.3	4898.9	5007.2	5074.3
15°	4840.5	4775.5	4961.7	5145.7	5208.5
17.5°	4808.0	4766.9	5039.6	5199.8	5191.2
20°	4766.9	4762.5	5098.1	5044.0	4911.9
22.5°	4721.4	4764.7	5052.6	4656.5	4396.7
25°	4669.5	4760.4	4851.3	4106.6	3771.1
27.5°	4617.5	4740.9	4485.5	3504.8	3173.6
30°	4565.5	4688.9	3991.9	2954.9	2654.0
32.5°	4504.9	4576.4	3455.0	2467.9	2190.8
35°	4442.2	4370.7	2946.3	2028.4	1764.3
37.5°	4377.2	4074.1	2489.5	1643.1	1474.2
40°	4299.3	3701.8	2069.5	1409.3	1454.7
42.5°	4201.9	3281.8	1699.4	1478.6	1794.6
45°	4078.5	2844.5	1437.4	1833.6	2208.1
47.5°	3922.6	2424.6	1372.5	2099.8	2216.7
50°	3734.3	2039.2	1508.9	2013.3	2004.6
52.5°	3448.5	1718.8	1647.4	1835.7	1905.0
55°	3136.8	1459.1	1627.9	1751.3	1874.7
57.5°	2742.8	1283.7	1493.7	1734.0	1876.9
60°	2351.0	1166.8	1379.0	1731.8	1866.1
62.5°	1918.0	1060.7	1320.5	1690.7	1770.8
65°	1513.2	946.0	1268.6	1541.3	1578.1
67.5°	1160.3	829.1	1177.6	1374.6	1448.2
70°	874.6	714.4	1034.8	1246.9	1337.8
72.5°	630.0	606.1	887.6	1134.4	1229.6
75°	445.9	504.4	759.8	1006.6	1073.7
77.5°	307.4	411.3	651.6	865.9	920.0
80°	201.3	329.0	554.2	744.7	781.5
82.5°	121.2	264.1	480.6	651.6	671.1
85°	62.8	214.3	430.8	586.7	595.3
87.5°	19.5	179.7	402.7	556.4	567.2
90°	2.2	160.2	385.3	456.8	422.1
92.5°	0.0	151.5	333.4	311.7	279.3
95°	0.0	149.4	266.3	236.0	223.0
97.5°	0.0	145.0	218.6	197.0	190.5
100°	0.0	140.7	188.3	173.2	171.0
102.5°	0.0	138.5	171.0	158.0	155.9
105°	0.0	134.2	164.5	149.4	147.2
107.5°	0.0	127.7	160.2	145.0	140.7
110°	0.0	121.2	160.2	142.9	136.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	114.7	160.2	140.7	134.2
115°	0.0	110.4	158.0	140.7	134.2
117.5°	2.2	106.1	155.9	140.7	134.2
120°	0.0	101.7	151.5	140.7	132.1
122.5°	2.2	95.3	147.2	138.5	132.1
125°	2.2	88.8	140.7	136.4	129.9
127.5°	2.2	82.3	134.2	132.1	125.6
130°	2.2	75.8	127.7	129.9	123.4
132.5°	2.2	69.3	119.1	125.6	121.2
135°	2.2	62.8	112.6	123.4	119.1
137.5°	2.2	56.3	103.9	116.9	116.9
140°	2.2	49.8	95.3	112.6	114.7
142.5°	2.2	45.5	86.6	108.2	110.4
145°	2.2	39.0	77.9	99.6	106.1
147.5°	2.2	34.6	69.3	90.9	99.6
150°	2.2	30.3	60.6	82.3	90.9
152.5°	2.2	26.0	54.1	71.4	84.4
155°	4.3	23.8	47.6	62.8	75.8
157.5°	4.3	19.5	39.0	54.1	64.9
160°	4.3	17.3	34.6	45.5	58.4
162.5°	4.3	15.2	28.1	39.0	49.8
165°	4.3	13.0	23.8	30.3	41.1
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)