

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-SLN-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 (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-128SL-SLN-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

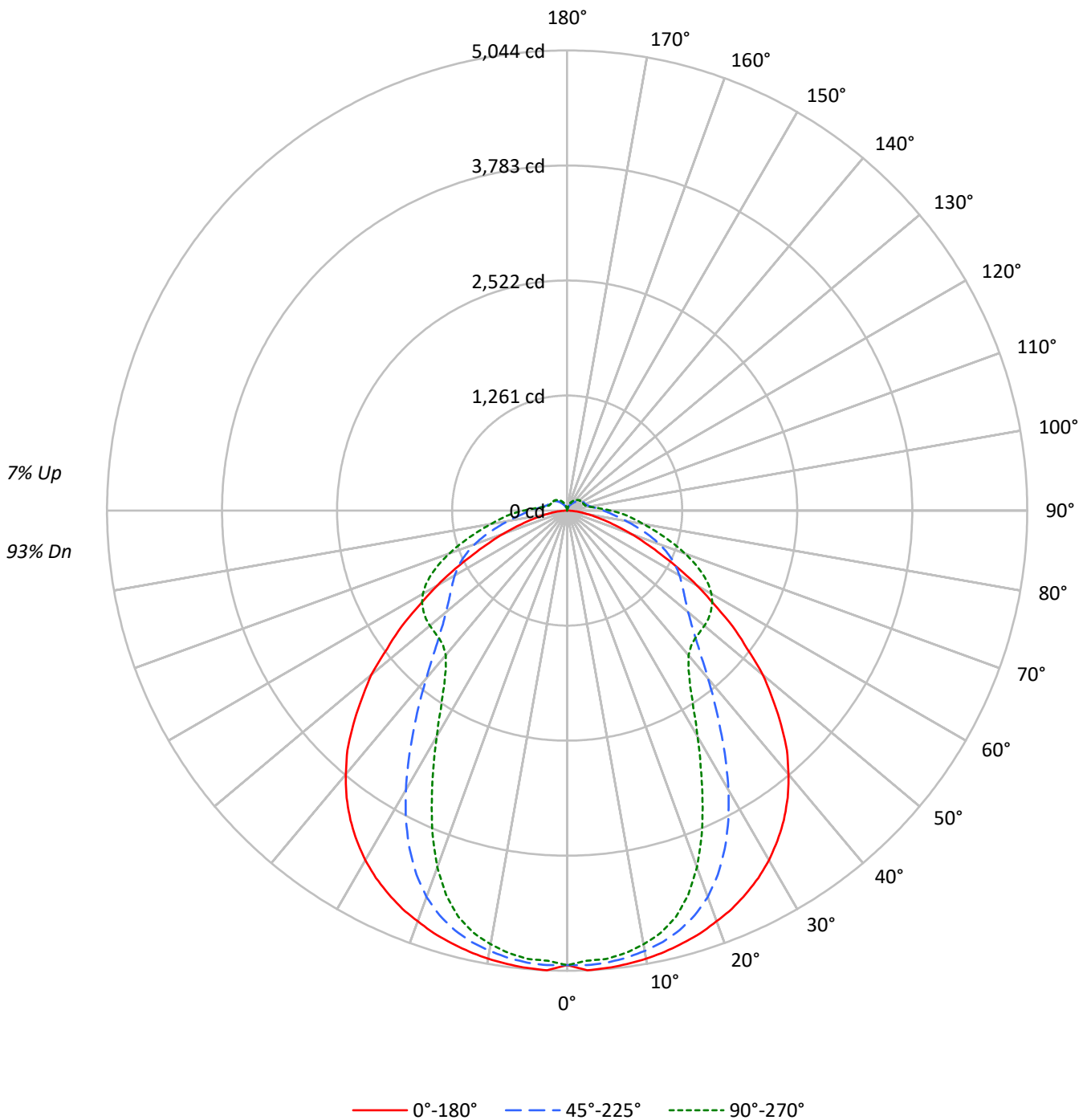
Lumens per Lamp: N/A
Luminaire Lumens: 12527.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 103
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93				
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76				
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64				
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54				
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47				
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41				
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36				
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32				
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29				
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27				
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20127	20127	20127
5°	20387	19701	19374
10°	20408	19174	18577
15°	20443	18548	17517
20°	20483	17608	15732
25°	20523	16149	13322
30°	20460	14223	10958
35°	20206	12113	9183
40°	19656	10269	8301
45°	18659	8935	8239
50°	17287	8178	8528
55°	15275	7872	8826
60°	12945	7772	8947
65°	10474	7614	8669
70°	8484	7238	7995
75°	6483	6570	7095
80°	4905	5924	6311
85°	3493	5621	5804



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.3	3.8
10°-20°	1332.0	10.6
20°-30°	1862.0	14.9
30°-40°	1931.4	15.4
40°-50°	1784.3	14.2
50°-60°	1593.1	12.7
60°-70°	1291.0	10.3
70°-80°	858.7	6.9
80°-90°	491.7	3.9
90°-100°	272.0	2.2
100°-110°	184.2	1.5
110°-120°	153.4	1.2
120°-130°	124.7	1.0
130°-140°	89.9	0.7
140°-150°	54.2	0.4
150°-160°	26.1	0.2
160°-170°	6.7	0.1
170°-180°	0.0	0.0
0°-30°	3665.3	29.3
0°-40°	5596.8	44.7
0°-60°	8974.1	71.6
0°-90°	11615.7	92.7
90°-120°	609.7	4.9
90°-150°	878.5	7.0
90°-180°	911.0	7.3
0°-180°	12527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4981	4981	4981	4981	4981	
5°	5033	4949	4975	4940	4934	479
15°	4908	4804	4763	4654	4609	1387
25°	4637	4431	4089	3661	3511	2137
35°	4141	3687	2931	2461	2351	2584
45°	3316	2628	1996	1924	1983	2550
55°	2217	1676	1559	1812	1924	1971
65°	1132	1013	1269	1554	1637	1144
75°	440	550	855	1048	1091	482
85°	89	255	504	645	662	102
90°	4	180	398	481	476	7
95°	4	152	316	338	327	3
105°	2	132	227	221	210	2
115°	2	119	201	199	193	2
125°	2	102	178	186	182	2
135°	4	76	141	164	164	3
145°	4	48	97	128	136	3
155°	4	30	61	80	97	2
165°	4	17	30	39	52	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4981.2	4981.2	4981.2	4981.2	4981.2
2.5°	5044.0	4961.8	4987.7	4966.1	4937.9
5°	5033.2	4948.8	4974.7	4940.1	4933.6
7.5°	5013.7	4929.3	4944.4	4903.3	4892.5
10°	4987.7	4899.0	4901.1	4842.7	4827.5
12.5°	4953.1	4855.7	4842.7	4762.6	4740.9
15°	4907.6	4803.7	4762.6	4654.3	4608.9
17.5°	4857.8	4736.6	4652.2	4485.5	4414.1
20°	4790.7	4654.3	4507.1	4253.9	4158.6
22.5°	4723.6	4554.8	4318.8	3981.1	3853.4
25°	4637.0	4431.4	4089.3	3660.7	3511.3
27.5°	4539.6	4286.3	3825.2	3331.6	3171.5
30°	4424.9	4111.0	3535.1	3009.1	2857.6
32.5°	4290.7	3914.0	3229.9	2719.0	2578.3
35°	4141.3	3686.7	2931.2	2461.4	2351.0
37.5°	3970.3	3437.7	2654.1	2253.6	2182.1
40°	3775.4	3167.1	2398.6	2093.4	2069.6
42.5°	3565.4	2903.0	2180.0	1989.5	2011.1
45°	3316.5	2628.1	1996.0	1924.5	1983.0
47.5°	3054.6	2359.6	1846.6	1887.7	1972.1
50°	2801.3	2110.7	1729.7	1863.9	1963.5
52.5°	2487.4	1887.7	1636.6	1842.3	1950.5
55°	2216.8	1675.6	1558.7	1811.9	1924.5
57.5°	1905.0	1485.1	1489.4	1773.0	1885.6
60°	1645.3	1311.9	1422.3	1718.9	1827.1
62.5°	1381.2	1156.0	1348.7	1647.4	1744.8
65°	1132.2	1013.1	1268.6	1554.3	1636.6
67.5°	924.4	883.2	1177.7	1441.8	1511.0
70°	749.0	764.2	1078.1	1316.2	1374.7
72.5°	575.8	653.8	969.8	1182.0	1231.8
75°	439.5	549.9	855.1	1047.8	1091.1
77.5°	324.7	458.9	751.2	926.5	963.3
80°	229.5	378.8	653.8	820.5	848.6
82.5°	153.7	311.7	573.7	725.2	751.2
85°	88.8	255.4	504.4	645.1	662.4
87.5°	36.8	212.2	448.1	562.9	571.5
90°	4.3	179.7	398.3	480.6	476.3
92.5°	4.3	162.4	355.0	402.7	391.8
95°	4.3	151.5	316.1	337.7	326.9
97.5°	4.3	145.0	281.4	290.1	279.3
100°	2.2	140.7	257.6	257.6	246.8
102.5°	2.2	136.4	240.3	233.8	225.1
105°	2.2	132.1	227.3	220.8	210.0
107.5°	2.2	129.9	218.6	212.2	201.3
110°	2.2	125.6	212.2	205.7	197.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	123.4	207.8	203.5	192.7
115°	2.2	119.1	201.3	199.2	192.7
117.5°	2.2	114.7	197.0	197.0	190.5
120°	2.2	110.4	190.5	194.8	188.3
122.5°	2.2	106.1	184.0	190.5	184.0
125°	2.2	101.7	177.5	186.2	181.8
127.5°	4.3	95.3	168.9	181.8	177.5
130°	2.2	88.8	160.2	177.5	175.3
132.5°	4.3	82.3	151.5	171.0	171.0
135°	4.3	75.8	140.7	164.5	164.5
137.5°	4.3	67.1	129.9	155.9	158.0
140°	4.3	60.6	119.1	147.2	151.5
142.5°	4.3	54.1	108.2	138.5	145.0
145°	4.3	47.6	97.4	127.7	136.4
147.5°	4.3	43.3	86.6	114.7	127.7
150°	4.3	36.8	77.9	103.9	116.9
152.5°	4.3	32.5	69.3	93.1	108.2
155°	4.3	30.3	60.6	80.1	97.4
157.5°	4.3	26.0	52.0	69.3	86.6
160°	4.3	21.6	43.3	60.6	73.6
162.5°	4.3	19.5	36.8	49.8	64.9
165°	4.3	17.3	30.3	39.0	52.0
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)