

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

Summary

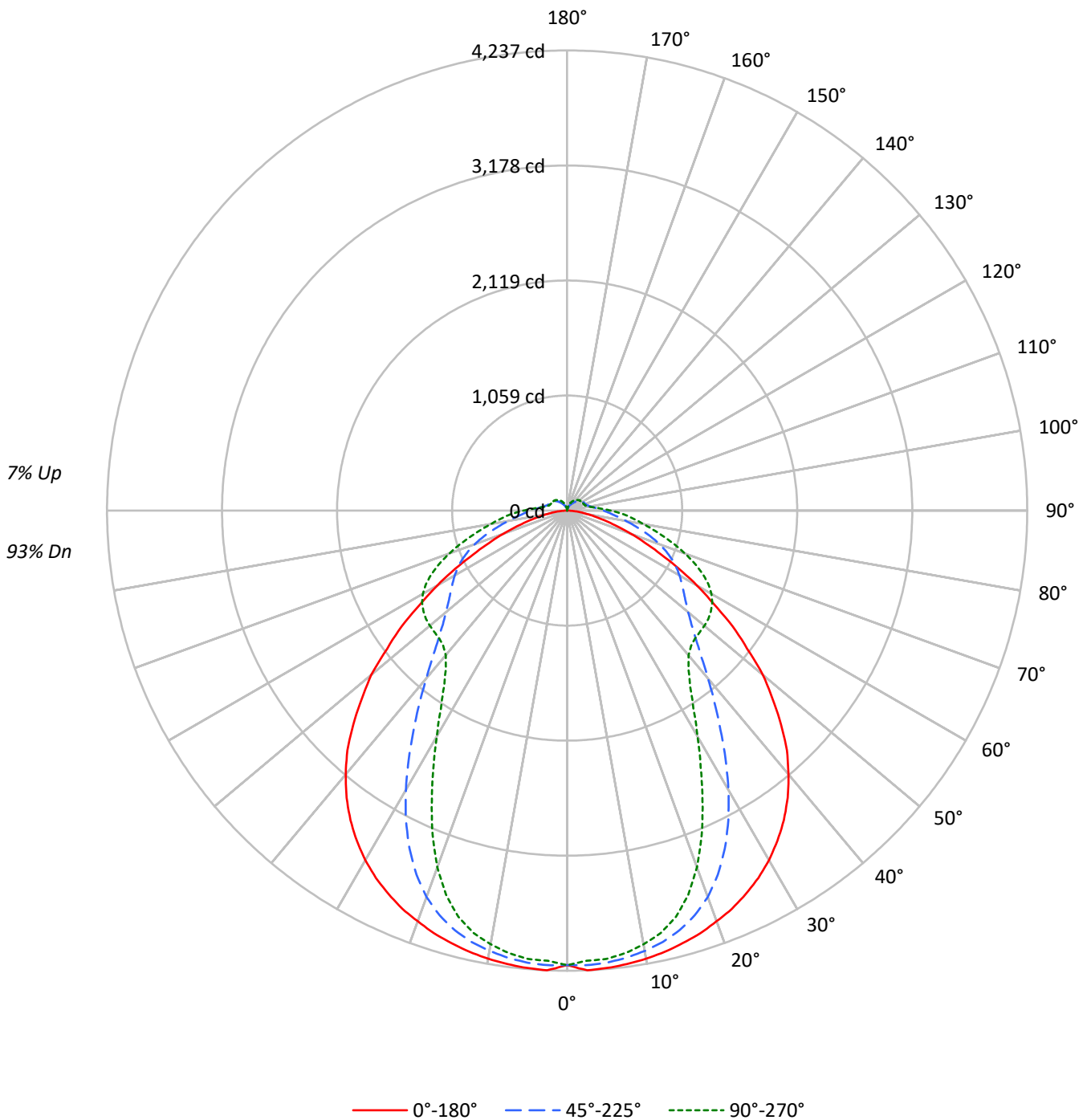
Lumens per Lamp: N/A
Luminaire Lumens: 10523.0 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 103
Input Voltage (V): NR
Input Current (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	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°	16907	16907	16907
5°	17125	16549	16275
10°	17143	16107	15605
15°	17173	15581	14715
20°	17206	14791	13215
25°	17240	13565	11191
30°	17187	11948	9204
35°	16974	10175	7714
40°	16512	8626	6973
45°	15674	7506	6920
50°	14521	6870	7163
55°	12831	6612	7414
60°	10874	6529	7516
65°	8798	6396	7282
70°	7127	6080	6715
75°	5446	5519	5959
80°	4121	4976	5302
85°	2934	4722	4876



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.9	3.8
10°-20°	1118.9	10.6
20°-30°	1564.2	14.9
30°-40°	1622.4	15.4
40°-50°	1498.9	14.2
50°-60°	1338.2	12.7
60°-70°	1084.5	10.3
70°-80°	721.3	6.9
80°-90°	413.1	3.9
90°-100°	228.5	2.2
100°-110°	154.8	1.5
110°-120°	128.8	1.2
120°-130°	104.8	1.0
130°-140°	75.6	0.7
140°-150°	45.6	0.4
150°-160°	21.9	0.2
160°-170°	5.7	0.1
170°-180°	0.0	0.0
0°-30°	3079.0	29.3
0°-40°	4701.4	44.7
0°-60°	7538.5	71.6
0°-90°	9757.4	92.7
90°-120°	512.1	4.9
90°-150°	738.0	7.0
90°-180°	766.0	7.3
0°-180°	10523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4184	4184	4184	4184	4184	
5°	4228	4157	4179	4150	4144	402
15°	4122	4035	4001	3910	3872	1165
25°	3895	3722	3435	3075	2950	1795
35°	3479	3097	2462	2068	1975	2170
45°	2786	2208	1677	1617	1666	2142
55°	1862	1408	1309	1522	1617	1656
65°	951	851	1066	1306	1375	961
75°	369	462	718	880	916	405
85°	75	215	424	542	556	86
90°	4	151	335	404	400	6
95°	4	127	266	284	275	3
105°	2	111	191	186	176	2
115°	2	100	169	167	162	2
125°	2	86	149	156	153	2
135°	4	64	118	138	138	3
145°	4	40	82	107	115	2
155°	4	26	51	67	82	2
165°	4	14	26	33	44	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-128SL-SLN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4184.4	4184.4	4184.4	4184.4	4184.4
2.5°	4237.1	4168.0	4189.8	4171.6	4148.0
5°	4228.0	4157.1	4178.9	4149.8	4144.4
7.5°	4211.6	4140.7	4153.5	4118.9	4109.8
10°	4189.8	4115.3	4117.1	4068.0	4055.3
12.5°	4160.7	4078.9	4068.0	4000.7	3982.5
15°	4122.5	4035.2	4000.7	3909.8	3871.6
17.5°	4080.7	3978.9	3908.0	3767.9	3707.9
20°	4024.3	3909.8	3786.1	3573.4	3493.3
22.5°	3968.0	3826.1	3627.9	3344.2	3236.9
25°	3895.2	3722.5	3435.1	3075.1	2949.6
27.5°	3813.4	3600.6	3213.3	2798.7	2664.1
30°	3717.0	3453.3	2969.6	2527.7	2400.4
32.5°	3604.3	3287.8	2713.2	2284.0	2165.8
35°	3478.8	3096.9	2462.2	2067.6	1974.9
37.5°	3335.1	2887.8	2229.5	1893.1	1833.0
40°	3171.5	2660.5	2014.9	1758.5	1738.5
42.5°	2995.1	2438.6	1831.2	1671.2	1689.4
45°	2785.9	2207.7	1676.7	1616.6	1665.7
47.5°	2565.9	1982.2	1551.2	1585.7	1656.7
50°	2353.1	1773.0	1453.0	1565.7	1649.4
52.5°	2089.5	1585.7	1374.8	1547.5	1638.5
55°	1862.1	1407.5	1309.3	1522.1	1616.6
57.5°	1600.3	1247.5	1251.1	1489.4	1583.9
60°	1382.1	1102.0	1194.8	1443.9	1534.8
62.5°	1160.2	971.1	1132.9	1383.9	1465.7
65°	951.1	851.1	1065.6	1305.7	1374.8
67.5°	776.5	741.9	989.3	1211.1	1269.3
70°	629.2	641.9	905.6	1105.6	1154.7
72.5°	483.7	549.2	814.7	992.9	1034.7
75°	369.2	461.9	718.3	880.2	916.5
77.5°	272.8	385.5	631.0	778.3	809.2
80°	192.8	318.2	549.2	689.2	712.9
82.5°	129.1	261.9	481.9	609.2	631.0
85°	74.6	214.6	423.7	541.9	556.5
87.5°	30.9	178.2	376.4	472.8	480.1
90°	3.6	150.9	334.6	403.7	400.1
92.5°	3.6	136.4	298.2	338.2	329.1
95°	3.6	127.3	265.5	283.7	274.6
97.5°	3.6	121.8	236.4	243.7	234.6
100°	1.8	118.2	216.4	216.4	207.3
102.5°	1.8	114.6	201.9	196.4	189.1
105°	1.8	110.9	190.9	185.5	176.4
107.5°	1.8	109.1	183.7	178.2	169.1
110°	1.8	105.5	178.2	172.8	165.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	103.7	174.6	170.9	161.8
115°	1.8	100.0	169.1	167.3	161.8
117.5°	1.8	96.4	165.5	165.5	160.0
120°	1.8	92.7	160.0	163.7	158.2
122.5°	1.8	89.1	154.6	160.0	154.6
125°	1.8	85.5	149.1	156.4	152.8
127.5°	3.6	80.0	141.8	152.8	149.1
130°	1.8	74.6	134.6	149.1	147.3
132.5°	3.6	69.1	127.3	143.7	143.7
135°	3.6	63.6	118.2	138.2	138.2
137.5°	3.6	56.4	109.1	130.9	132.8
140°	3.6	50.9	100.0	123.7	127.3
142.5°	3.6	45.5	90.9	116.4	121.8
145°	3.6	40.0	81.8	107.3	114.6
147.5°	3.6	36.4	72.7	96.4	107.3
150°	3.6	30.9	65.5	87.3	98.2
152.5°	3.6	27.3	58.2	78.2	90.9
155°	3.6	25.5	50.9	67.3	81.8
157.5°	3.6	21.8	43.6	58.2	72.7
160°	3.6	18.2	36.4	50.9	61.8
162.5°	3.6	16.4	30.9	41.8	54.6
165°	3.6	14.5	25.5	32.7	43.6
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)