

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-L830-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-L830-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

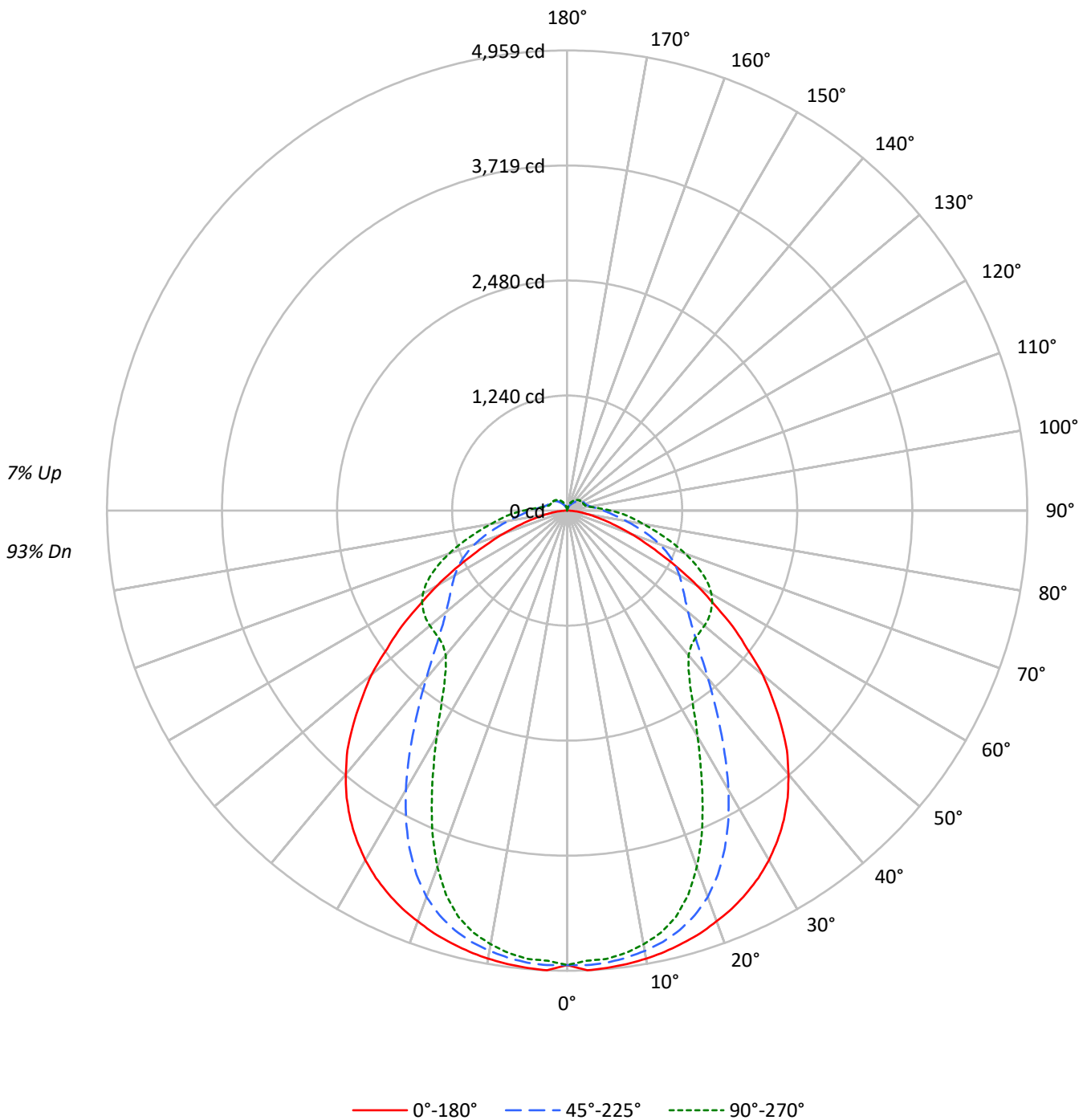
Lumens per Lamp: N/A
Luminaire Lumens: 12315.0 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 103
Input Voltage (V): NR
Input Current (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	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°	19786	19786	19786
5°	20041	19368	19046
10°	20062	18849	18262
15°	20097	18234	17221
20°	20136	17310	15466
25°	20176	15876	13097
30°	20114	13982	10772
35°	19864	11908	9027
40°	19323	10095	8161
45°	18344	8784	8099
50°	16994	8040	8383
55°	15017	7739	8676
60°	12726	7640	8796
65°	10296	7485	8522
70°	8340	7115	7859
75°	6372	6459	6974
80°	4822	5823	6204
85°	3434	5526	5706



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.3	3.8
10°-20°	1309.5	10.6
20°-30°	1830.5	14.9
30°-40°	1898.7	15.4
40°-50°	1754.1	14.2
50°-60°	1566.1	12.7
60°-70°	1269.2	10.3
70°-80°	844.2	6.9
80°-90°	483.4	3.9
90°-100°	267.5	2.2
100°-110°	181.1	1.5
110°-120°	150.8	1.2
120°-130°	122.6	1.0
130°-140°	88.4	0.7
140°-150°	53.3	0.4
150°-160°	25.6	0.2
160°-170°	6.6	0.1
170°-180°	0.0	0.0
0°-30°	3603.3	29.3
0°-40°	5502.0	44.7
0°-60°	8822.3	71.6
0°-90°	11419.1	92.7
90°-120°	599.4	4.9
90°-150°	863.7	7.0
90°-180°	896.0	7.3
0°-180°	12315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4897	4897	4897	4897	4897	
5°	4948	4865	4891	4856	4850	471
15°	4825	4722	4682	4576	4531	1363
25°	4559	4356	4020	3599	3452	2101
35°	4071	3624	2882	2420	2311	2540
45°	3260	2584	1962	1892	1949	2507
55°	2179	1647	1532	1781	1892	1938
65°	1113	996	1247	1528	1609	1125
75°	432	541	841	1030	1073	474
85°	87	251	496	634	651	100
90°	4	177	392	472	468	7
95°	4	149	311	332	321	3
105°	2	130	224	217	206	2
115°	2	117	198	196	189	2
125°	2	100	174	183	179	2
135°	4	74	138	162	162	3
145°	4	47	96	126	134	3
155°	4	30	60	79	96	2
165°	4	17	30	38	51	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-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4896.9	4896.9	4896.9	4896.9	4896.9
2.5°	4958.7	4877.8	4903.3	4882.0	4854.4
5°	4948.0	4865.0	4890.6	4856.5	4850.1
7.5°	4928.9	4845.9	4860.8	4820.3	4809.7
10°	4903.3	4816.1	4818.2	4760.7	4745.8
12.5°	4869.3	4773.5	4760.7	4682.0	4660.7
15°	4824.6	4722.4	4682.0	4575.6	4530.9
17.5°	4775.6	4656.5	4573.5	4409.6	4339.4
20°	4709.7	4575.6	4430.9	4181.9	4088.2
22.5°	4643.7	4477.7	4245.7	3913.7	3788.2
25°	4558.6	4356.4	4020.1	3598.7	3451.9
27.5°	4462.8	4213.8	3760.5	3275.3	3117.8
30°	4350.0	4041.4	3475.3	2958.2	2809.2
32.5°	4218.0	3847.7	3175.2	2673.0	2534.7
35°	4071.2	3624.3	2881.6	2419.7	2311.2
37.5°	3903.1	3379.5	2609.1	2215.4	2145.2
40°	3711.5	3113.5	2358.0	2057.9	2034.5
42.5°	3505.1	2853.9	2143.1	1955.8	1977.1
45°	3260.4	2583.6	1962.2	1891.9	1949.4
47.5°	3002.9	2319.7	1815.3	1855.8	1938.8
50°	2753.9	2075.0	1700.4	1832.4	1930.3
52.5°	2445.3	1855.8	1608.9	1811.1	1917.5
55°	2179.3	1647.2	1532.3	1781.3	1891.9
57.5°	1872.8	1459.9	1464.2	1743.0	1853.6
60°	1617.4	1289.7	1398.2	1689.8	1796.2
62.5°	1357.8	1136.4	1325.9	1619.5	1715.3
65°	1113.0	996.0	1247.1	1528.0	1608.9
67.5°	908.7	868.3	1157.7	1417.4	1485.5
70°	736.3	751.2	1059.8	1293.9	1351.4
72.5°	566.1	642.7	953.4	1162.0	1210.9
75°	432.0	540.6	840.6	1030.0	1072.6
77.5°	319.2	451.2	738.5	910.9	947.0
80°	225.6	372.4	642.7	806.6	834.2
82.5°	151.1	306.5	564.0	712.9	738.5
85°	87.3	251.1	495.9	634.2	651.2
87.5°	36.2	208.6	440.5	553.3	561.8
90°	4.3	176.6	391.6	472.5	468.2
92.5°	4.3	159.6	349.0	395.8	385.2
95°	4.3	149.0	310.7	332.0	321.4
97.5°	4.3	142.6	276.7	285.2	274.5
100°	2.1	138.3	253.3	253.3	242.6
102.5°	2.1	134.1	236.2	229.8	221.3
105°	2.1	129.8	223.5	217.1	206.4
107.5°	2.1	127.7	214.9	208.6	197.9
110°	2.1	123.4	208.6	202.2	193.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-128SL-SLN-UNV-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	121.3	204.3	200.0	189.4
115°	2.1	117.0	197.9	195.8	189.4
117.5°	2.1	112.8	193.7	193.7	187.3
120°	2.1	108.5	187.3	191.5	185.2
122.5°	2.1	104.3	180.9	187.3	180.9
125°	2.1	100.0	174.5	183.0	178.8
127.5°	4.3	93.6	166.0	178.8	174.5
130°	2.1	87.3	157.5	174.5	172.4
132.5°	4.3	80.9	149.0	168.1	168.1
135°	4.3	74.5	138.3	161.7	161.7
137.5°	4.3	66.0	127.7	153.2	155.4
140°	4.3	59.6	117.0	144.7	149.0
142.5°	4.3	53.2	106.4	136.2	142.6
145°	4.3	46.8	95.8	125.6	134.1
147.5°	4.3	42.6	85.1	112.8	125.6
150°	4.3	36.2	76.6	102.2	114.9
152.5°	4.3	31.9	68.1	91.5	106.4
155°	4.3	29.8	59.6	78.7	95.8
157.5°	4.3	25.5	51.1	68.1	85.1
160°	4.3	21.3	42.6	59.6	72.4
162.5°	4.3	19.2	36.2	48.9	63.8
165°	4.3	17.0	29.8	38.3	51.1
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)