

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: **2SNLED-LD5-26SL-SLC-UNV-L850-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: 2SNLED-LD5-26SL-SLC-UNV-L850-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

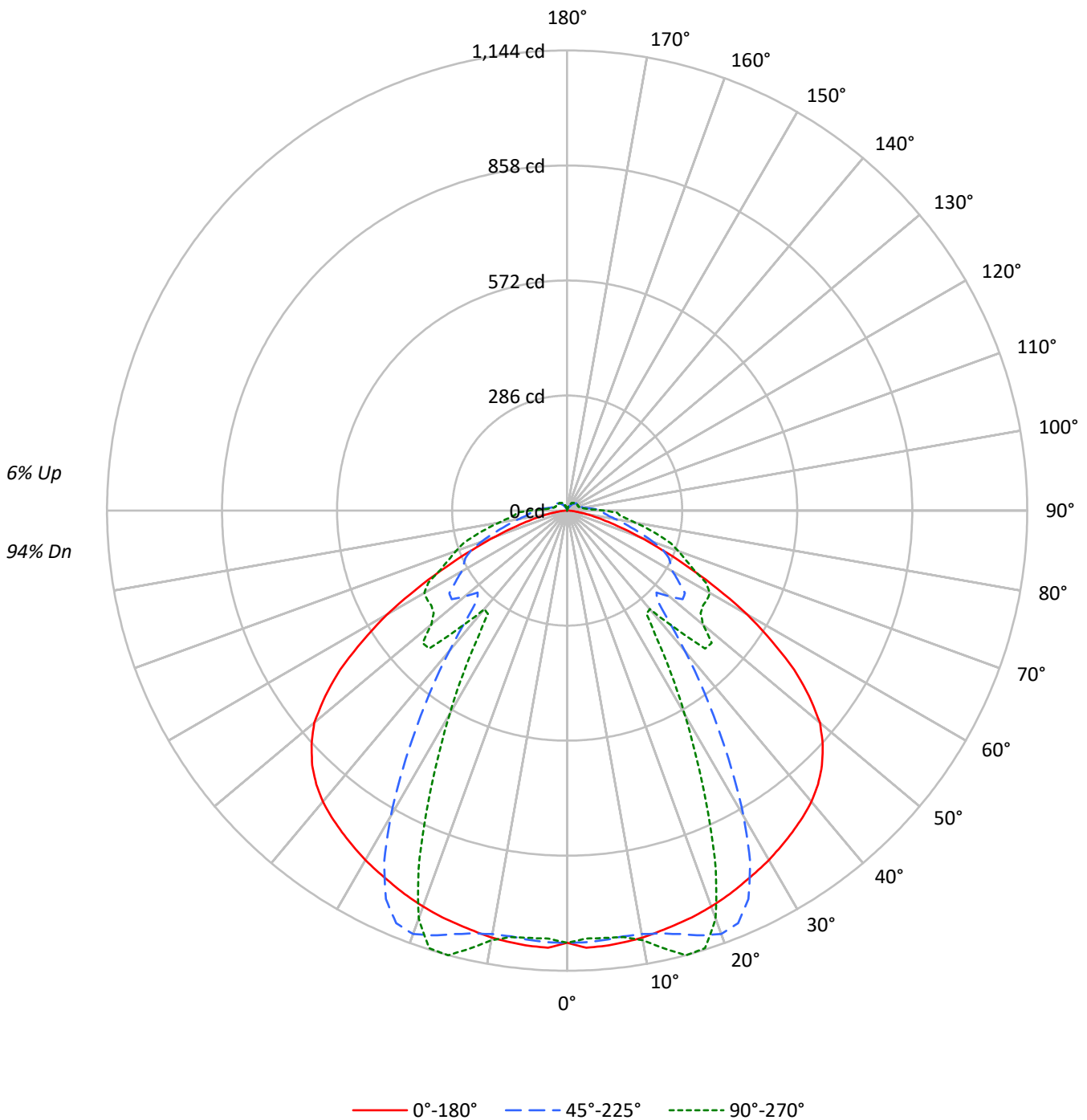
Lumens per Lamp: N/A
Luminaire Lumens: 2760.0 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
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°	17364	17364	17364
5°	17528	16927	16751
10°	17502	16639	16692
15°	17502	16842	17398
20°	17612	17314	16330
25°	17777	16610	12574
30°	18068	13886	8944
35°	18449	10496	6056
40°	18936	7615	5128
45°	19277	5512	8062
50°	19200	6088	7651
55°	17829	6989	7556
60°	15065	6375	8031
65°	11213	6405	7346
70°	7751	5804	6837
75°	4962	4835	6136
80°	3037	4113	5108
85°	1493	3865	4585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	3.7
10°-20°	308.7	11.2
20°-30°	448.4	16.2
30°-40°	428.4	15.5
40°-50°	391.9	14.2
50°-60°	361.9	13.1
60°-70°	287.4	10.4
70°-80°	177.4	6.4
80°-90°	96.6	3.5
90°-100°	48.8	1.8
100°-110°	30.7	1.1
110°-120°	26.0	0.9
120°-130°	21.2	0.8
130°-140°	15.2	0.6
140°-150°	9.4	0.3
150°-160°	4.5	0.2
160°-170°	1.2	0.0
170°-180°	0.0	0.0
0°-30°	859.3	31.1
0°-40°	1287.8	46.7
0°-60°	2041.6	74.0
0°-90°	2603.0	94.3
90°-120°	105.5	3.8
90°-150°	151.3	5.5
90°-180°	157.0	5.7
0°-180°	2760.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1074	1074	1074	1074	1074	
5°	1086	1070	1072	1066	1066	103
15°	1064	1049	1090	1131	1144	301
25°	1026	1046	1066	902	828	474
35°	976	960	647	446	388	612
45°	896	625	316	403	485	689
55°	689	321	358	385	412	607
65°	332	208	279	339	347	336
75°	98	111	167	221	236	111
85°	14	47	95	129	131	18
90°	0	35	85	100	93	1
95°	0	33	58	52	49	0
105°	0	30	36	33	32	0
115°	0	24	35	31	30	0
125°	0	20	31	30	28	0
135°	0	14	25	27	26	0
145°	0	9	17	22	23	0
155°	1	5	10	14	17	0
165°	1	3	5	7	9	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: 2SNLED-LD5-26SL-SLC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1074.4	1074.4	1074.4	1074.4	1074.4
2.5°	1087.8	1072.1	1074.0	1070.6	1064.9
5°	1086.3	1069.7	1071.6	1065.9	1066.4
7.5°	1082.5	1065.4	1067.8	1066.8	1069.2
10°	1078.2	1060.2	1069.2	1077.3	1084.4
12.5°	1070.6	1054.5	1076.3	1100.1	1114.9
15°	1063.5	1049.2	1090.1	1130.6	1144.4
17.5°	1056.4	1047.3	1107.3	1142.5	1140.6
20°	1047.3	1046.4	1120.1	1108.2	1079.2
22.5°	1037.3	1046.9	1110.1	1023.1	966.0
25°	1025.9	1045.9	1065.9	902.3	828.5
27.5°	1014.5	1041.6	985.5	770.0	697.3
30°	1003.1	1030.2	877.1	649.2	583.1
32.5°	989.8	1005.5	759.1	542.2	481.3
35°	976.0	960.3	647.3	445.7	387.6
37.5°	961.7	895.1	547.0	361.0	323.9
40°	944.6	813.3	454.7	309.6	319.6
42.5°	923.2	721.1	373.4	324.9	394.3
45°	896.1	625.0	315.8	402.9	485.1
47.5°	861.8	532.7	301.5	461.4	487.0
50°	820.5	448.0	331.5	442.3	440.4
52.5°	757.7	377.6	362.0	403.3	418.6
55°	689.2	320.6	357.7	384.8	411.9
57.5°	602.6	282.0	328.2	381.0	412.4
60°	516.5	256.4	303.0	380.5	410.0
62.5°	421.4	233.1	290.1	371.5	389.1
65°	332.5	207.8	278.7	338.6	346.7
67.5°	254.9	182.2	258.7	302.0	318.2
70°	192.2	157.0	227.3	274.0	293.9
72.5°	138.4	133.2	195.0	249.2	270.2
75°	98.0	110.8	166.9	221.2	235.9
77.5°	67.5	90.4	143.2	190.3	202.1
80°	44.2	72.3	121.8	163.6	171.7
82.5°	26.6	58.0	105.6	143.2	147.4
85°	13.8	47.1	94.6	128.9	130.8
87.5°	4.3	39.5	88.5	122.2	124.6
90°	0.5	35.2	84.7	100.4	92.7
92.5°	0.0	33.3	73.2	68.5	61.4
95°	0.0	32.8	58.5	51.8	49.0
97.5°	0.0	31.9	48.0	43.3	41.9
100°	0.0	30.9	41.4	38.1	37.6
102.5°	0.0	30.4	37.6	34.7	34.2
105°	0.0	29.5	36.1	32.8	32.3
107.5°	0.0	28.1	35.2	31.9	30.9
110°	0.0	26.6	35.2	31.4	30.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.2	35.2	30.9	29.5
115°	0.0	24.3	34.7	30.9	29.5
117.5°	0.5	23.3	34.2	30.9	29.5
120°	0.0	22.4	33.3	30.9	29.0
122.5°	0.5	20.9	32.3	30.4	29.0
125°	0.5	19.5	30.9	30.0	28.5
127.5°	0.5	18.1	29.5	29.0	27.6
130°	0.5	16.6	28.1	28.5	27.1
132.5°	0.5	15.2	26.2	27.6	26.6
135°	0.5	13.8	24.7	27.1	26.2
137.5°	0.5	12.4	22.8	25.7	25.7
140°	0.5	10.9	20.9	24.7	25.2
142.5°	0.5	10.0	19.0	23.8	24.3
145°	0.5	8.6	17.1	21.9	23.3
147.5°	0.5	7.6	15.2	20.0	21.9
150°	0.5	6.7	13.3	18.1	20.0
152.5°	0.5	5.7	11.9	15.7	18.5
155°	1.0	5.2	10.5	13.8	16.6
157.5°	1.0	4.3	8.6	11.9	14.3
160°	1.0	3.8	7.6	10.0	12.8
162.5°	1.0	3.3	6.2	8.6	10.9
165°	1.0	2.9	5.2	6.7	9.0
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)