

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-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: 2SNLED-LD5-26SL-SLN-UNV-L830-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

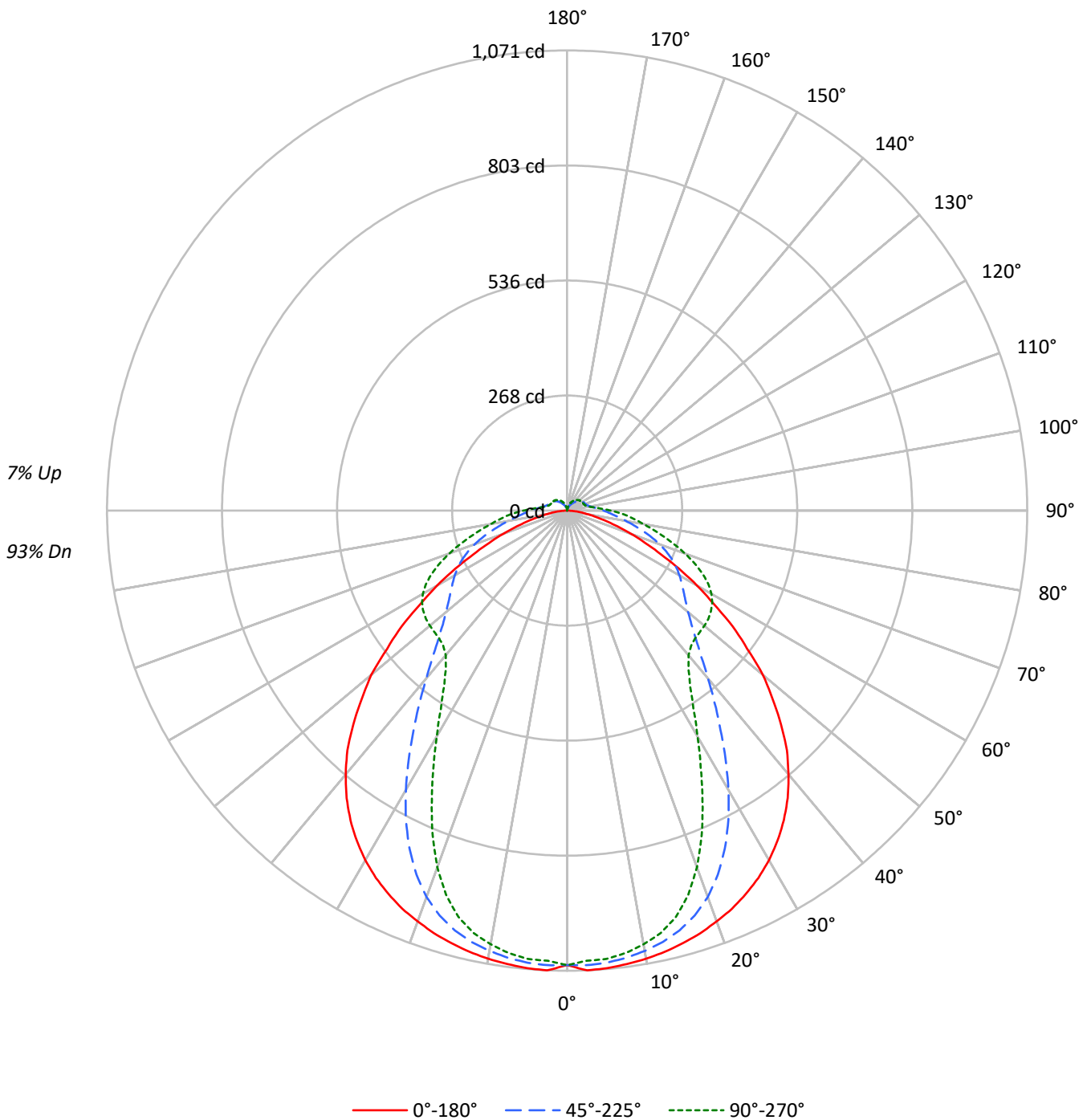
Lumens per Lamp: N/A  
Luminaire Lumens: 2660.0 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Direct

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



TEST NUMBER: P#  
CATALOG NUMBER: 2SNLED-LD5-26SL-SLN-UNV-L830-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-26SL-SLN-UNV-L830-CD1-U

**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°	17095	17095	17095
5°	17246	16685	16456
10°	17192	16195	15779
15°	17149	15625	14879
20°	17108	14794	13361
25°	17061	13531	11315
30°	16924	11885	9307
35°	16623	10092	7799
40°	16071	8529	7052
45°	15149	7396	6998
50°	13919	6746	7242
55°	12176	6467	7497
60°	10191	6354	7600
65°	8107	6191	7363
70°	6412	5845	6790
75°	4724	5261	6026
80°	3346	4687	5360
85°	2034	4375	4932



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-26SL-SLN-UNV-L830-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.1	3.8
10°-20°	282.8	10.6
20°-30°	395.4	14.9
30°-40°	410.1	15.4
40°-50°	378.9	14.2
50°-60°	338.3	12.7
60°-70°	274.1	10.3
70°-80°	182.3	6.9
80°-90°	104.4	3.9
90°-100°	57.8	2.2
100°-110°	39.1	1.5
110°-120°	32.6	1.2
120°-130°	26.5	1.0
130°-140°	19.1	0.7
140°-150°	11.5	0.4
150°-160°	5.5	0.2
160°-170°	1.4	0.1
170°-180°	0.0	0.0
0°-30°	778.3	29.3
0°-40°	1188.4	44.7
0°-60°	1905.6	71.6
0°-90°	2466.5	92.7
90°-120°	129.5	4.9
90°-150°	186.6	7.0
90°-180°	194.0	7.3
0°-180°	2660.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1069	1051	1056	1049	1048	102
15°	1042	1020	1011	988	979	294
25°	985	941	868	777	746	454
35°	879	783	622	523	499	549
45°	704	558	424	409	421	541
55°	471	356	331	385	409	419
65°	240	215	269	330	348	243
75°	93	117	182	222	232	102
85°	19	54	107	137	141	22
90°	1	38	85	102	101	1
95°	1	32	67	72	69	1
105°	0	28	48	47	45	1
115°	0	25	43	42	41	0
125°	0	22	38	40	39	1
135°	1	16	30	35	35	1
145°	1	10	21	27	29	1
155°	1	6	13	17	21	0
165°	1	4	6	8	11	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-26SL-SLN-UNV-L830-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1057.7	1057.7	1057.7	1057.7	1057.7
2.5°	1071.1	1053.6	1059.1	1054.5	1048.5
5°	1068.8	1050.8	1056.3	1049.0	1047.6
7.5°	1064.6	1046.7	1049.9	1041.2	1038.9
10°	1059.1	1040.3	1040.7	1028.3	1025.1
12.5°	1051.7	1031.1	1028.3	1011.3	1006.7
15°	1042.1	1020.0	1011.3	988.3	978.7
17.5°	1031.5	1005.8	987.9	952.5	937.3
20°	1017.3	988.3	957.1	903.3	883.0
22.5°	1003.0	967.2	917.1	845.4	818.2
25°	984.6	941.0	868.3	777.3	745.6
27.5°	963.9	910.2	812.3	707.4	673.4
30°	939.6	872.9	750.7	639.0	606.8
32.5°	911.1	831.1	685.8	577.4	547.5
35°	879.4	782.8	622.4	522.7	499.2
37.5°	843.1	730.0	563.6	478.5	463.4
40°	801.7	672.5	509.3	444.5	439.5
42.5°	757.1	616.4	462.9	422.4	427.0
45°	704.2	558.1	423.8	408.7	421.1
47.5°	648.6	501.1	392.1	400.8	418.8
50°	594.8	448.2	367.3	395.8	416.9
52.5°	528.2	400.8	347.5	391.2	414.2
55°	470.7	355.8	331.0	384.8	408.7
57.5°	404.5	315.3	316.3	376.5	400.4
60°	349.4	278.6	302.0	365.0	388.0
62.5°	293.3	245.5	286.4	349.8	370.5
65°	240.4	215.1	269.4	330.0	347.5
67.5°	196.3	187.5	250.1	306.1	320.9
70°	159.0	162.3	228.9	279.5	291.9
72.5°	122.3	138.8	205.9	251.0	261.6
75°	93.3	116.8	181.6	222.5	231.7
77.5°	69.0	97.5	159.5	196.7	204.6
80°	48.7	80.4	138.8	174.2	180.2
82.5°	32.6	66.2	121.8	154.0	159.5
85°	18.8	54.2	107.1	137.0	140.7
87.5°	7.8	45.0	95.2	119.5	121.4
90°	0.9	38.2	84.6	102.0	101.1
92.5°	0.9	34.5	75.4	85.5	83.2
95°	0.9	32.2	67.1	71.7	69.4
97.5°	0.9	30.8	59.8	61.6	59.3
100°	0.5	29.9	54.7	54.7	52.4
102.5°	0.5	29.0	51.0	49.6	47.8
105°	0.5	28.0	48.3	46.9	44.6
107.5°	0.5	27.6	46.4	45.0	42.8
110°	0.5	26.7	45.0	43.7	41.8



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-26SL-SLN-UNV-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	26.2	44.1	43.2	40.9
115°	0.5	25.3	42.8	42.3	40.9
117.5°	0.5	24.4	41.8	41.8	40.5
120°	0.5	23.4	40.5	41.4	40.0
122.5°	0.5	22.5	39.1	40.5	39.1
125°	0.5	21.6	37.7	39.5	38.6
127.5°	0.9	20.2	35.9	38.6	37.7
130°	0.5	18.8	34.0	37.7	37.2
132.5°	0.9	17.5	32.2	36.3	36.3
135°	0.9	16.1	29.9	34.9	34.9
137.5°	0.9	14.3	27.6	33.1	33.6
140°	0.9	12.9	25.3	31.3	32.2
142.5°	0.9	11.5	23.0	29.4	30.8
145°	0.9	10.1	20.7	27.1	29.0
147.5°	0.9	9.2	18.4	24.4	27.1
150°	0.9	7.8	16.5	22.1	24.8
152.5°	0.9	6.9	14.7	19.8	23.0
155°	0.9	6.4	12.9	17.0	20.7
157.5°	0.9	5.5	11.0	14.7	18.4
160°	0.9	4.6	9.2	12.9	15.6
162.5°	0.9	4.1	7.8	10.6	13.8
165°	0.9	3.7	6.4	8.3	11.0
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)