

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: **4SNLED-LD5-26SL-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: 4SNLED-LD5-26SL-SLN-UNV-L835-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2659.0 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

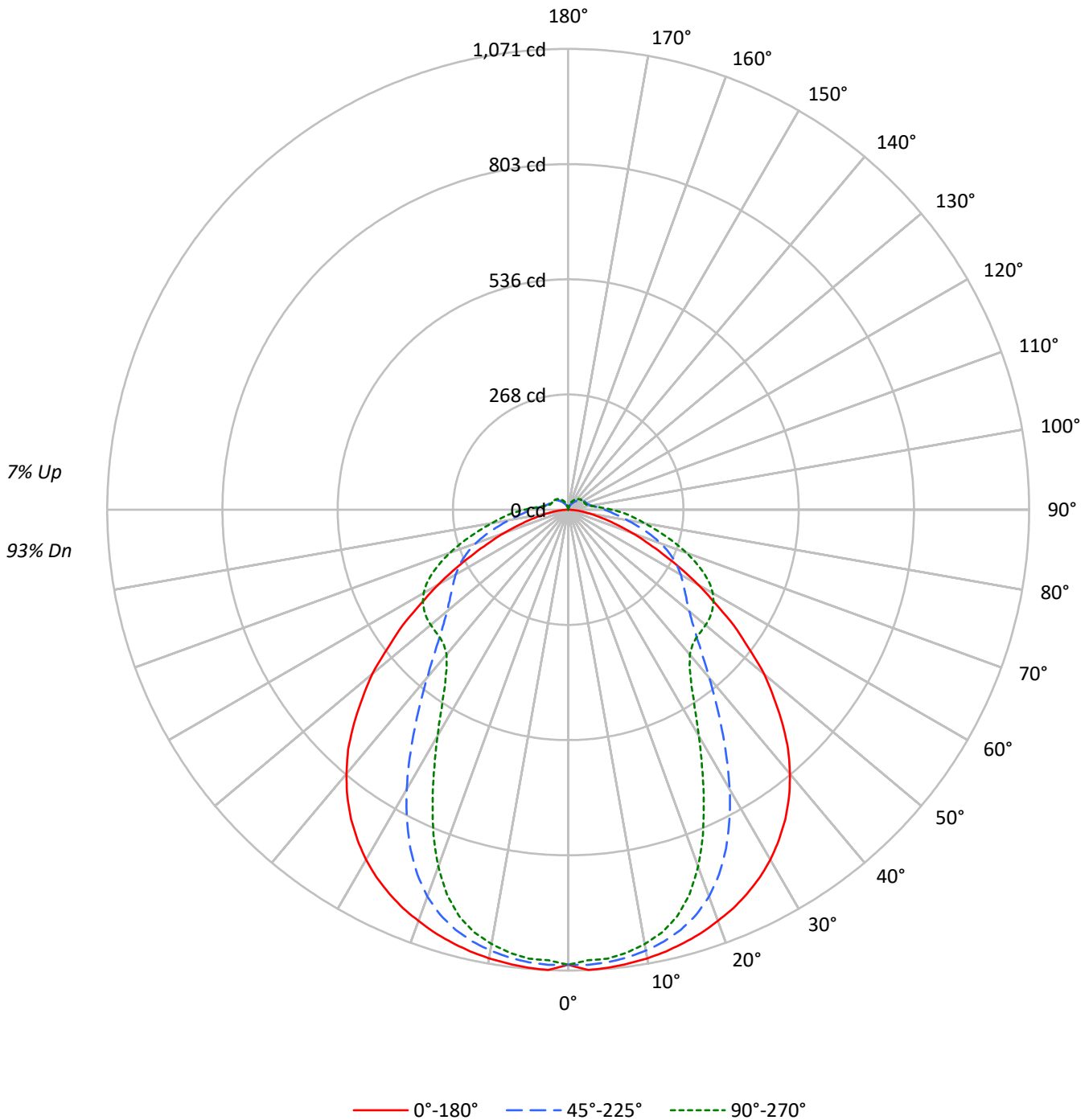
Input Watts (W): 18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	8544	8544	8544
5°	8643	8355	8225
10°	8640	8124	7886
15°	8643	7852	7437
20°	8647	7448	6678
25°	8650	6824	5655
30°	8609	6005	4651
35°	8486	5109	3898
40°	8238	4327	3524
45°	7802	3761	3497
50°	7207	3437	3620
55°	6346	3304	3747
60°	5354	3257	3798
65°	4306	3185	3680
70°	3460	3020	3394
75°	2609	2734	3012
80°	1925	2455	2679
85°	1284	2317	2464



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	3.8
10°-20°	282.7	10.6
20°-30°	395.2	14.9
30°-40°	410.0	15.4
40°-50°	378.7	14.2
50°-60°	338.1	12.7
60°-70°	274.0	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°	778.0	29.3
0°-40°	1188.0	44.7
0°-60°	1904.8	71.6
0°-90°	2465.5	92.7
90°-120°	129.4	4.9
90°-150°	186.5	7.0
90°-180°	193.0	7.3
0°-180°	2659.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1057	1057	1057	1057	1057	
5°	1068	1050	1056	1049	1047	102
15°	1042	1020	1011	988	978	294
25°	984	941	868	777	745	454
35°	879	782	622	522	499	548
45°	704	558	424	408	421	541
55°	470	356	331	385	408	418
65°	240	215	269	330	347	243
75°	93	117	182	222	232	102
85°	19	54	107	137	141	22
90°	1	38	84	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1057.3	1057.3	1057.3	1057.3	1057.3
2.5°	1070.7	1053.2	1058.7	1054.1	1048.1
5°	1068.4	1050.4	1055.9	1048.6	1047.2
7.5°	1064.2	1046.3	1049.5	1040.8	1038.5
10°	1058.7	1039.9	1040.3	1027.9	1024.7
12.5°	1051.4	1030.7	1027.9	1010.9	1006.3
15°	1041.7	1019.6	1010.9	987.9	978.3
17.5°	1031.1	1005.4	987.5	952.1	936.9
20°	1016.9	987.9	956.7	902.9	882.7
22.5°	1002.6	966.8	916.7	845.0	817.9
25°	984.3	940.6	868.0	777.0	745.3
27.5°	963.6	909.8	811.9	707.2	673.2
30°	939.2	872.6	750.4	638.7	606.5
32.5°	910.7	830.8	685.6	577.1	547.3
35°	879.0	782.5	622.2	522.5	499.0
37.5°	842.7	729.7	563.4	478.3	463.2
40°	801.4	672.3	509.1	444.3	439.3
42.5°	756.8	616.2	462.7	422.3	426.9
45°	704.0	557.8	423.7	408.5	420.9
47.5°	648.4	500.9	392.0	400.7	418.6
50°	594.6	448.0	367.1	395.6	416.8
52.5°	528.0	400.7	347.4	391.0	414.0
55°	470.5	355.7	330.8	384.6	408.5
57.5°	404.4	315.2	316.1	376.3	400.2
60°	349.2	278.5	301.9	364.8	387.8
62.5°	293.2	245.4	286.3	349.7	370.4
65°	240.3	215.0	269.3	329.9	347.4
67.5°	196.2	187.5	250.0	306.0	320.7
70°	159.0	162.2	228.8	279.4	291.8
72.5°	122.2	138.8	205.9	250.9	261.5
75°	93.3	116.7	181.5	222.4	231.6
77.5°	68.9	97.4	159.4	196.7	204.5
80°	48.7	80.4	138.8	174.2	180.1
82.5°	32.6	66.2	121.8	153.9	159.4
85°	18.8	54.2	107.1	136.9	140.6
87.5°	7.8	45.0	95.1	119.5	121.3
90°	0.9	38.1	84.5	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	59.7	61.6	59.3
100°	0.5	29.9	54.7	54.7	52.4
102.5°	0.5	28.9	51.0	49.6	47.8
105°	0.5	28.0	48.2	46.9	44.6
107.5°	0.5	27.6	46.4	45.0	42.7
110°	0.5	26.7	45.0	43.7	41.8



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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	42.7	42.3	40.9
117.5°	0.5	24.4	41.8	41.8	40.4
120°	0.5	23.4	40.4	41.4	40.0
122.5°	0.5	22.5	39.1	40.4	39.1
125°	0.5	21.6	37.7	39.5	38.6
127.5°	0.9	20.2	35.8	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	14.2	27.6	33.1	33.5
140°	0.9	12.9	25.3	31.2	32.2
142.5°	0.9	11.5	23.0	29.4	30.8
145°	0.9	10.1	20.7	27.1	28.9
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)