

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-L940-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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

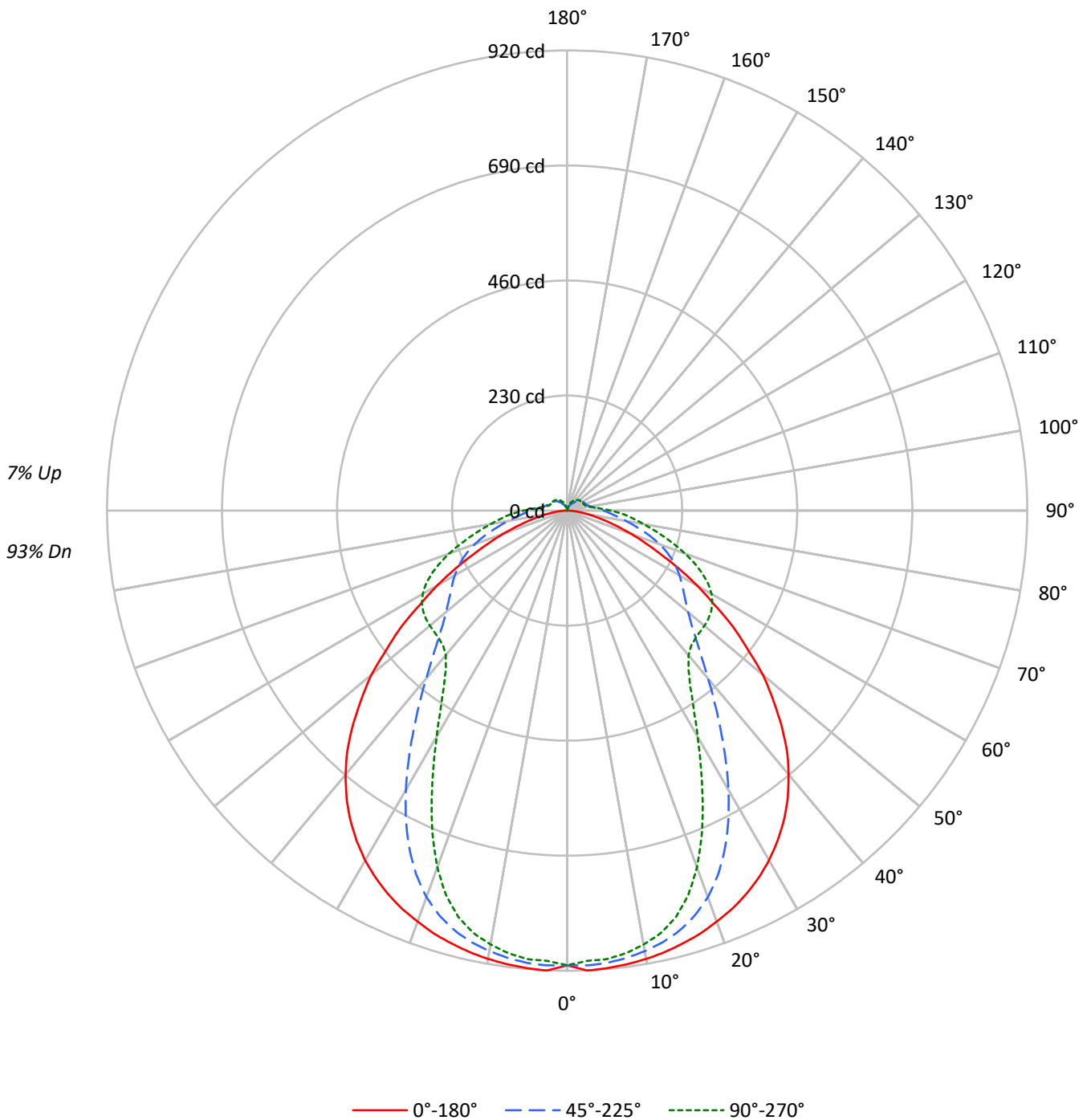
Lumens per Lamp: N/A
Luminaire Lumens: 2286.0 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 4SNLED-LD5-26SL-SLN-UNV-L940-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-26SL-SLN-UNV-L940-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°	7346	7346	7346
5°	7430	7183	7071
10°	7428	6985	6780
15°	7430	6751	6394
20°	7433	6403	5742
25°	7437	5867	4863
30°	7401	5163	3999
35°	7295	4393	3351
40°	7083	3720	3030
45°	6707	3233	3007
50°	6196	2955	3112
55°	5455	2840	3221
60°	4603	2800	3265
65°	3702	2738	3164
70°	2974	2596	2918
75°	2243	2350	2589
80°	1656	2110	2304
85°	1107	1990	2119



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-26SL-SLN-UNV-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	3.8
10°-20°	243.1	10.6
20°-30°	339.8	14.9
30°-40°	352.5	15.4
40°-50°	325.6	14.2
50°-60°	290.7	12.7
60°-70°	235.6	10.3
70°-80°	156.7	6.9
80°-90°	89.7	3.9
90°-100°	49.7	2.2
100°-110°	33.6	1.5
110°-120°	28.0	1.2
120°-130°	22.8	1.0
130°-140°	16.4	0.7
140°-150°	9.9	0.4
150°-160°	4.8	0.2
160°-170°	1.2	0.1
170°-180°	0.0	0.0
0°-30°	668.9	29.3
0°-40°	1021.3	44.7
0°-60°	1637.6	71.6
0°-90°	2119.7	92.7
90°-120°	111.3	4.9
90°-150°	160.3	7.0
90°-180°	166.0	7.3
0°-180°	2286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	918	903	908	902	900	87
15°	896	877	869	849	841	253
25°	846	809	746	668	641	390
35°	756	673	535	449	429	472
45°	605	480	364	351	362	465
55°	404	306	284	331	351	360
65°	207	185	232	284	299	209
75°	80	100	156	191	199	88
85°	16	47	92	118	121	19
90°	1	33	73	88	87	1
95°	1	28	58	62	60	1
105°	0	24	42	40	38	0
115°	0	22	37	36	35	0
125°	0	19	32	34	33	0
135°	1	14	26	30	30	1
145°	1	9	18	23	25	1
155°	1	6	11	15	18	0
165°	1	3	6	7	10	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-26SL-SLN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	909.0	909.0	909.0	909.0	909.0
2.5°	920.5	905.4	910.2	906.2	901.1
5°	918.5	903.1	907.8	901.5	900.3
7.5°	914.9	899.5	902.3	894.8	892.8
10°	910.2	894.0	894.4	883.7	881.0
12.5°	903.9	886.1	883.7	869.1	865.2
15°	895.6	876.6	869.1	849.4	841.1
17.5°	886.5	864.4	849.0	818.5	805.5
20°	874.2	849.4	822.5	776.3	758.9
22.5°	862.0	831.2	788.1	726.5	703.2
25°	846.2	808.7	746.2	668.0	640.8
27.5°	828.4	782.2	698.0	608.0	578.7
30°	807.5	750.2	645.1	549.1	521.5
32.5°	783.0	714.2	589.4	496.2	470.5
35°	755.7	672.8	534.9	449.2	429.0
37.5°	724.5	627.3	484.3	411.2	398.2
40°	689.0	578.0	437.7	382.0	377.7
42.5°	650.6	529.8	397.8	363.0	367.0
45°	605.2	479.6	364.2	351.2	361.9
47.5°	557.4	430.6	337.0	344.5	359.9
50°	511.2	385.2	315.6	340.1	358.3
52.5°	453.9	344.5	298.7	336.2	355.9
55°	404.5	305.8	284.4	330.7	351.2
57.5°	347.6	271.0	271.8	323.5	344.1
60°	300.2	239.4	259.5	313.7	333.4
62.5°	252.0	211.0	246.1	300.6	318.4
65°	206.6	184.9	231.5	283.6	298.7
67.5°	168.7	161.2	214.9	263.1	275.7
70°	136.7	139.5	196.7	240.2	250.9
72.5°	105.1	119.3	177.0	215.7	224.8
75°	80.2	100.3	156.0	191.2	199.1
77.5°	59.3	83.8	137.1	169.1	175.8
80°	41.9	69.1	119.3	149.7	154.9
82.5°	28.0	56.9	104.7	132.3	137.1
85°	16.2	46.6	92.0	117.7	120.9
87.5°	6.7	38.7	81.8	102.7	104.3
90°	0.8	32.8	72.7	87.7	86.9
92.5°	0.8	29.6	64.8	73.5	71.5
95°	0.8	27.7	57.7	61.6	59.7
97.5°	0.8	26.5	51.4	52.9	51.0
100°	0.4	25.7	47.0	47.0	45.0
102.5°	0.4	24.9	43.9	42.7	41.1
105°	0.4	24.1	41.5	40.3	38.3
107.5°	0.4	23.7	39.9	38.7	36.7
110°	0.4	22.9	38.7	37.5	35.9



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-26SL-SLN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	22.5	37.9	37.1	35.2
115°	0.4	21.7	36.7	36.3	35.2
117.5°	0.4	20.9	35.9	35.9	34.8
120°	0.4	20.1	34.8	35.6	34.4
122.5°	0.4	19.4	33.6	34.8	33.6
125°	0.4	18.6	32.4	34.0	33.2
127.5°	0.8	17.4	30.8	33.2	32.4
130°	0.4	16.2	29.2	32.4	32.0
132.5°	0.8	15.0	27.7	31.2	31.2
135°	0.8	13.8	25.7	30.0	30.0
137.5°	0.8	12.2	23.7	28.4	28.8
140°	0.8	11.1	21.7	26.9	27.7
142.5°	0.8	9.9	19.8	25.3	26.5
145°	0.8	8.7	17.8	23.3	24.9
147.5°	0.8	7.9	15.8	20.9	23.3
150°	0.8	6.7	14.2	19.0	21.3
152.5°	0.8	5.9	12.6	17.0	19.8
155°	0.8	5.5	11.1	14.6	17.8
157.5°	0.8	4.7	9.5	12.6	15.8
160°	0.8	4.0	7.9	11.1	13.4
162.5°	0.8	3.6	6.7	9.1	11.9
165°	0.8	3.2	5.5	7.1	9.5
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)