

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-L950-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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

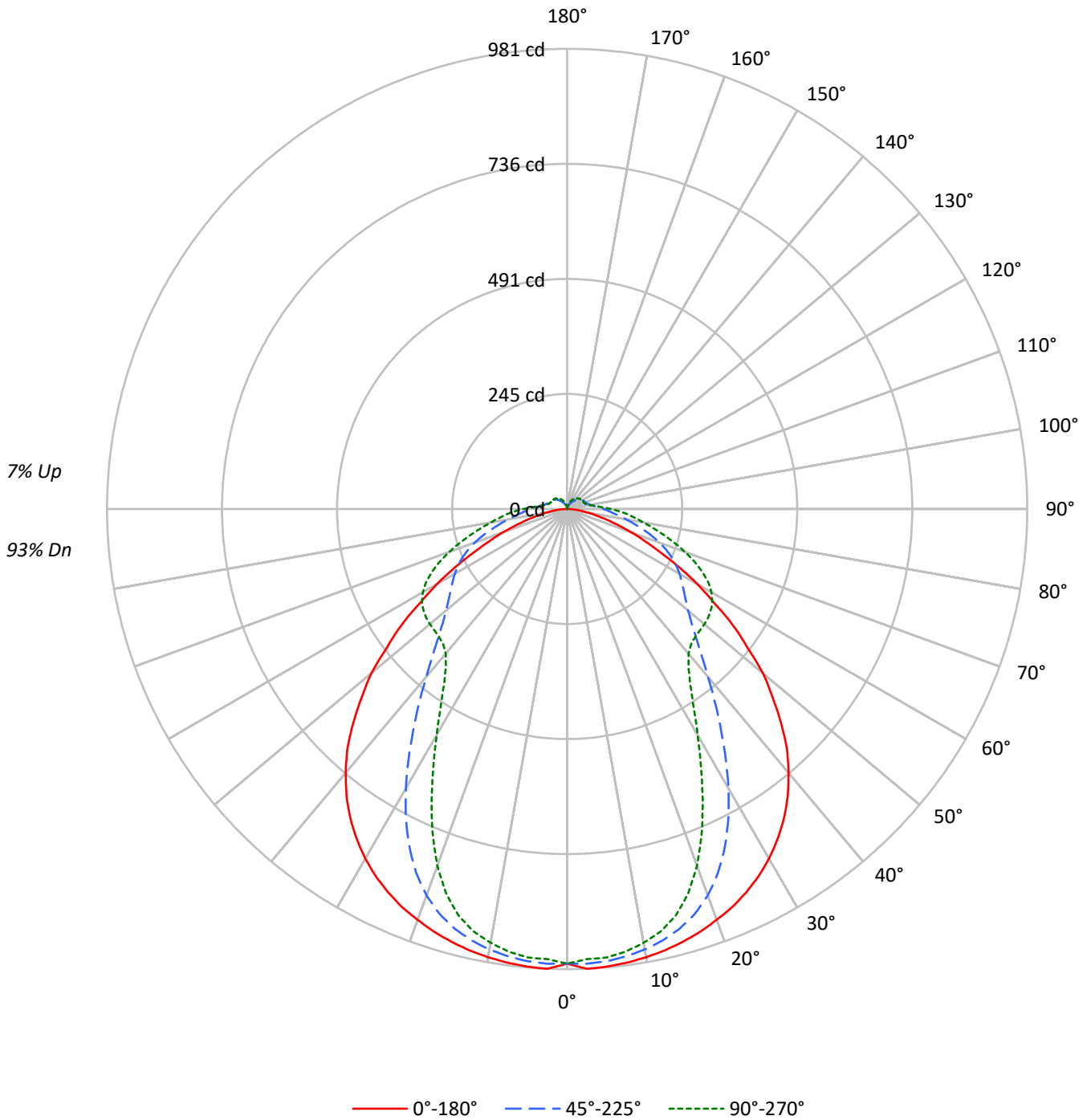
Lumens per Lamp: N/A
Luminaire Lumens: 2437.0 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 18
Input Voltage (V): NR
Input Current (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°	7831	7831	7831
5°	7922	7658	7538
10°	7918	7447	7228
15°	7921	7197	6816
20°	7925	6826	6121
25°	7928	6254	5183
30°	7890	5503	4263
35°	7777	4682	3573
40°	7550	3965	3230
45°	7150	3447	3206
50°	6606	3151	3318
55°	5816	3028	3434
60°	4908	2985	3481
65°	3948	2919	3373
70°	3170	2768	3110
75°	2391	2506	2761
80°	1763	2250	2456
85°	1182	2122	2259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	3.8
10°-20°	259.1	10.6
20°-30°	362.2	14.9
30°-40°	375.7	15.4
40°-50°	347.1	14.2
50°-60°	309.9	12.7
60°-70°	251.2	10.3
70°-80°	167.1	6.9
80°-90°	95.7	3.9
90°-100°	52.9	2.2
100°-110°	35.8	1.5
110°-120°	29.8	1.2
120°-130°	24.3	1.0
130°-140°	17.5	0.7
140°-150°	10.5	0.4
150°-160°	5.1	0.2
160°-170°	1.3	0.1
170°-180°	0.0	0.0
0°-30°	713.1	29.3
0°-40°	1088.8	44.7
0°-60°	1745.8	71.6
0°-90°	2259.7	92.7
90°-120°	118.6	4.9
90°-150°	170.9	7.0
90°-180°	177.0	7.3
0°-180°	2437.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	969	969	969	969	969	
5°	979	963	968	961	960	93
15°	955	934	926	906	897	270
25°	902	862	796	712	683	416
35°	806	717	570	479	457	503
45°	645	511	388	374	386	496
55°	431	326	303	352	374	383
65°	220	197	247	302	318	223
75°	86	107	166	204	212	94
85°	17	50	98	126	129	20
90°	1	35	78	94	93	1
95°	1	30	62	66	64	1
105°	0	26	44	43	41	0
115°	0	23	39	39	38	0
125°	0	20	34	36	35	0
135°	1	15	27	32	32	1
145°	1	9	19	25	26	1
155°	1	6	12	16	19	0
165°	1	3	6	8	10	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°	969.0	969.0	969.0	969.0	969.0
2.5°	981.3	965.3	970.3	966.1	960.6
5°	979.2	962.7	967.8	961.0	959.8
7.5°	975.4	958.9	961.9	953.9	951.8
10°	970.3	953.0	953.5	942.1	939.1
12.5°	963.6	944.6	942.1	926.5	922.3
15°	954.7	934.5	926.5	905.5	896.6
17.5°	945.0	921.5	905.0	872.6	858.7
20°	932.0	905.5	876.8	827.5	809.0
22.5°	918.9	886.1	840.2	774.5	749.6
25°	902.1	862.1	795.5	712.2	683.1
27.5°	883.1	833.9	744.2	648.1	617.0
30°	860.8	799.7	687.7	585.4	555.9
32.5°	834.7	761.4	628.3	529.0	501.6
35°	805.6	717.2	570.2	478.8	457.4
37.5°	772.4	668.8	516.3	438.4	424.5
40°	734.5	616.1	466.6	407.2	402.6
42.5°	693.6	564.8	424.1	387.0	391.2
45°	645.2	511.3	388.3	374.4	385.8
47.5°	594.2	459.0	359.2	367.2	383.7
50°	545.0	410.6	336.5	362.6	382.0
52.5°	483.9	367.2	318.4	358.4	379.4
55°	431.2	326.0	303.2	352.5	374.4
57.5°	370.6	288.9	289.7	344.9	366.8
60°	320.1	255.2	276.7	334.4	355.4
62.5°	268.7	224.9	262.4	320.5	339.4
65°	220.3	197.1	246.8	302.4	318.4
67.5°	179.8	171.8	229.1	280.5	294.0
70°	145.7	148.7	209.7	256.1	267.4
72.5°	112.0	127.2	188.7	229.9	239.6
75°	85.5	107.0	166.4	203.8	212.3
77.5°	63.2	89.3	146.1	180.2	187.4
80°	44.6	73.7	127.2	159.6	165.1
82.5°	29.9	60.6	111.6	141.1	146.1
85°	17.3	49.7	98.1	125.5	128.9
87.5°	7.2	41.3	87.2	109.5	111.2
90°	0.8	35.0	77.5	93.5	92.7
92.5°	0.8	31.6	69.1	78.3	76.2
95°	0.8	29.5	61.5	65.7	63.6
97.5°	0.8	28.2	54.7	56.4	54.3
100°	0.4	27.4	50.1	50.1	48.0
102.5°	0.4	26.5	46.7	45.5	43.8
105°	0.4	25.7	44.2	43.0	40.9
107.5°	0.4	25.3	42.5	41.3	39.2
110°	0.4	24.4	41.3	40.0	38.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	24.0	40.4	39.6	37.5
115°	0.4	23.2	39.2	38.7	37.5
117.5°	0.4	22.3	38.3	38.3	37.1
120°	0.4	21.5	37.1	37.9	36.6
122.5°	0.4	20.6	35.8	37.1	35.8
125°	0.4	19.8	34.5	36.2	35.4
127.5°	0.8	18.5	32.8	35.4	34.5
130°	0.4	17.3	31.2	34.5	34.1
132.5°	0.8	16.0	29.5	33.3	33.3
135°	0.8	14.7	27.4	32.0	32.0
137.5°	0.8	13.1	25.3	30.3	30.7
140°	0.8	11.8	23.2	28.6	29.5
142.5°	0.8	10.5	21.1	27.0	28.2
145°	0.8	9.3	19.0	24.8	26.5
147.5°	0.8	8.4	16.8	22.3	24.8
150°	0.8	7.2	15.2	20.2	22.7
152.5°	0.8	6.3	13.5	18.1	21.1
155°	0.8	5.9	11.8	15.6	19.0
157.5°	0.8	5.1	10.1	13.5	16.8
160°	0.8	4.2	8.4	11.8	14.3
162.5°	0.8	3.8	7.2	9.7	12.6
165°	0.8	3.4	5.9	7.6	10.1
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)