

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-SLC-UNV-L930-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: 4SNLED-LD5-26SL-SLC-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

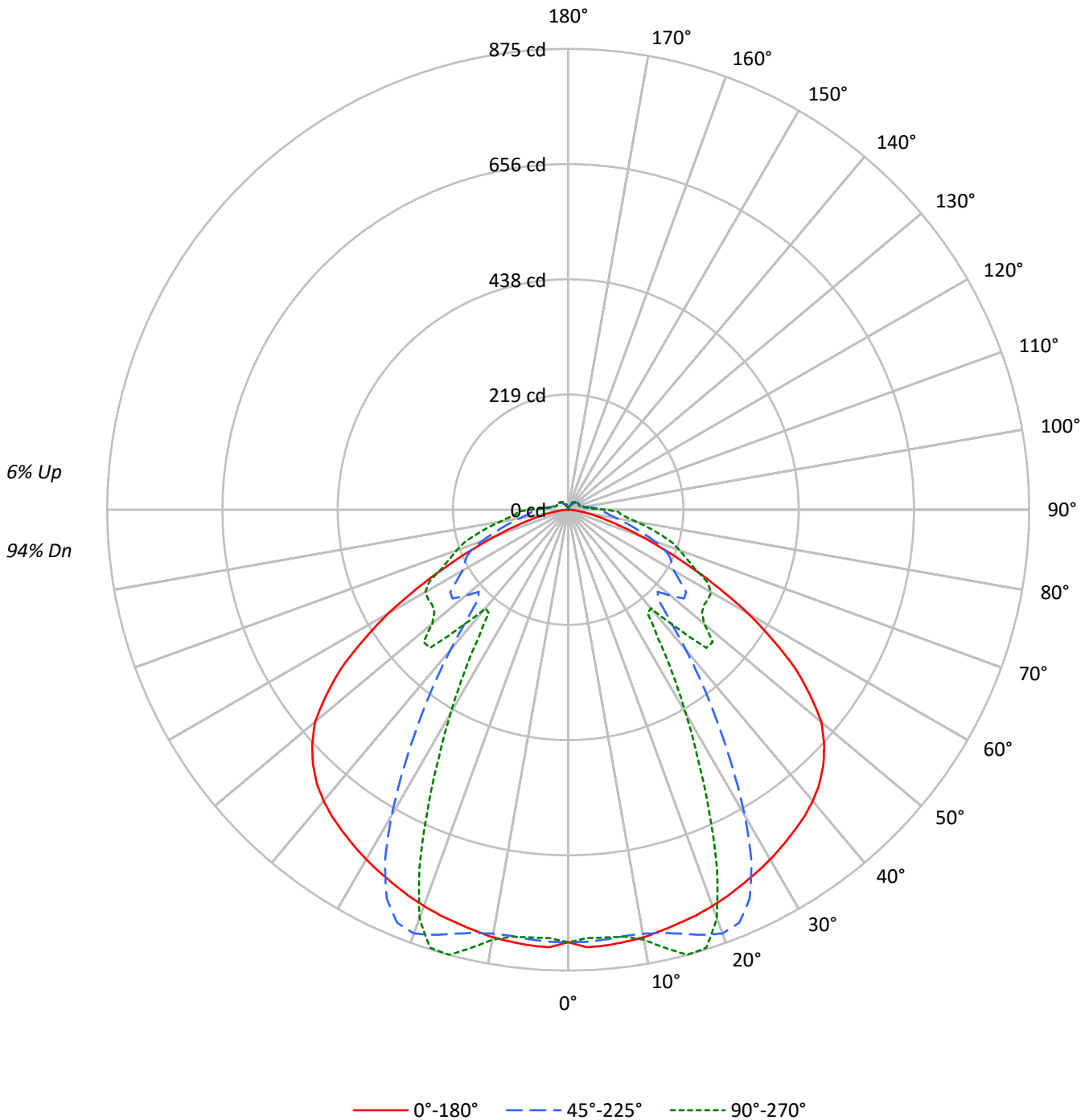
Lumens per Lamp: N/A
Luminaire Lumens: 2110.0 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	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	64	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°	6638	6638	6638
5°	6719	6482	6403
10°	6727	6384	6380
15°	6745	6474	6651
20°	6808	6666	6242
25°	6893	6407	4806
30°	7029	5366	3419
35°	7203	4064	2315
40°	7423	2954	1960
45°	7591	2143	3082
50°	7602	2373	2925
55°	7106	2731	2888
60°	6055	2499	3069
65°	4555	2521	2808
70°	3196	2294	2614
75°	2094	1922	2346
80°	1336	1647	1953
85°	717	1566	1753



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	3.7
10°-20°	236.0	11.2
20°-30°	342.8	16.2
30°-40°	327.5	15.5
40°-50°	299.6	14.2
50°-60°	276.6	13.1
60°-70°	219.8	10.4
70°-80°	135.6	6.4
80°-90°	73.9	3.5
90°-100°	37.3	1.8
100°-110°	23.5	1.1
110°-120°	19.9	0.9
120°-130°	16.2	0.8
130°-140°	11.6	0.6
140°-150°	7.2	0.3
150°-160°	3.4	0.2
160°-170°	0.9	0.0
170°-180°	0.0	0.0
0°-30°	657.0	31.1
0°-40°	984.5	46.7
0°-60°	1560.8	74.0
0°-90°	1990.0	94.3
90°-120°	80.6	3.8
90°-150°	115.7	5.5
90°-180°	120.0	5.7
0°-180°	2110.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	821	821	821	821	821	
5°	830	818	819	815	815	79
15°	813	802	833	864	875	230
25°	784	800	815	690	633	363
35°	746	734	495	341	296	468
45°	685	478	241	308	371	526
55°	527	245	273	294	315	464
65°	254	159	213	259	265	257
75°	75	85	128	169	180	85
85°	10	36	72	98	100	13
90°	0	27	65	77	71	1
95°	0	25	45	40	38	0
105°	0	22	28	25	25	0
115°	0	18	26	24	22	0
125°	0	15	24	23	22	0
135°	0	10	19	21	20	0
145°	0	6	13	17	18	0
155°	1	4	8	10	13	0
165°	1	2	4	5	7	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°	821.4	821.4	821.4	821.4	821.4
2.5°	831.6	819.6	821.0	818.5	814.1
5°	830.5	817.8	819.2	814.9	815.2
7.5°	827.6	814.5	816.3	815.6	817.4
10°	824.3	810.5	817.4	823.6	829.0
12.5°	818.5	806.1	822.9	841.0	852.3
15°	813.0	802.1	833.4	864.3	874.9
17.5°	807.6	800.7	846.5	873.4	871.9
20°	800.7	799.9	856.3	847.2	825.0
22.5°	793.0	800.3	848.7	782.1	738.5
25°	784.3	799.6	814.9	689.8	633.4
27.5°	775.6	796.3	753.4	588.7	533.1
30°	766.9	787.6	670.5	496.3	445.8
32.5°	756.7	768.7	580.3	414.5	368.0
35°	746.1	734.1	494.9	340.7	296.3
37.5°	735.2	684.3	418.2	276.0	247.6
40°	722.1	621.8	347.6	236.7	244.3
42.5°	705.8	551.2	285.4	248.3	301.4
45°	685.0	477.8	241.4	308.0	370.9
47.5°	658.9	407.2	230.5	352.7	372.3
50°	627.2	342.5	253.4	338.2	336.7
52.5°	579.2	288.7	276.7	308.3	320.0
55°	526.9	245.1	273.4	294.2	314.9
57.5°	460.7	215.6	250.9	291.3	315.3
60°	394.9	196.0	231.6	290.9	313.4
62.5°	322.2	178.2	221.8	284.0	297.4
65°	254.2	158.9	213.1	258.9	265.1
67.5°	194.9	139.3	197.8	230.9	243.3
70°	146.9	120.0	173.8	209.4	224.7
72.5°	105.8	101.8	149.1	190.5	206.5
75°	74.9	84.7	127.6	169.1	180.4
77.5°	51.6	69.1	109.4	145.4	154.5
80°	33.8	55.3	93.1	125.1	131.3
82.5°	20.4	44.4	80.7	109.4	112.7
85°	10.5	36.0	72.4	98.5	100.0
87.5°	3.3	30.2	67.6	93.4	95.3
90°	0.4	26.9	64.7	76.7	70.9
92.5°	0.0	25.5	56.0	52.4	46.9
95°	0.0	25.1	44.7	39.6	37.5
97.5°	0.0	24.4	36.7	33.1	32.0
100°	0.0	23.6	31.6	29.1	28.7
102.5°	0.0	23.3	28.7	26.5	26.2
105°	0.0	22.5	27.6	25.1	24.7
107.5°	0.0	21.5	26.9	24.4	23.6
110°	0.0	20.4	26.9	24.0	22.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.3	26.9	23.6	22.5
115°	0.0	18.5	26.5	23.6	22.5
117.5°	0.4	17.8	26.2	23.6	22.5
120°	0.0	17.1	25.5	23.6	22.2
122.5°	0.4	16.0	24.7	23.3	22.2
125°	0.4	14.9	23.6	22.9	21.8
127.5°	0.4	13.8	22.5	22.2	21.1
130°	0.4	12.7	21.5	21.8	20.7
132.5°	0.4	11.6	20.0	21.1	20.4
135°	0.4	10.5	18.9	20.7	20.0
137.5°	0.4	9.5	17.5	19.6	19.6
140°	0.4	8.4	16.0	18.9	19.3
142.5°	0.4	7.6	14.5	18.2	18.5
145°	0.4	6.5	13.1	16.7	17.8
147.5°	0.4	5.8	11.6	15.3	16.7
150°	0.4	5.1	10.2	13.8	15.3
152.5°	0.4	4.4	9.1	12.0	14.2
155°	0.7	4.0	8.0	10.5	12.7
157.5°	0.7	3.3	6.5	9.1	10.9
160°	0.7	2.9	5.8	7.6	9.8
162.5°	0.7	2.5	4.7	6.5	8.4
165°	0.7	2.2	4.0	5.1	6.9
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)