

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

Summary

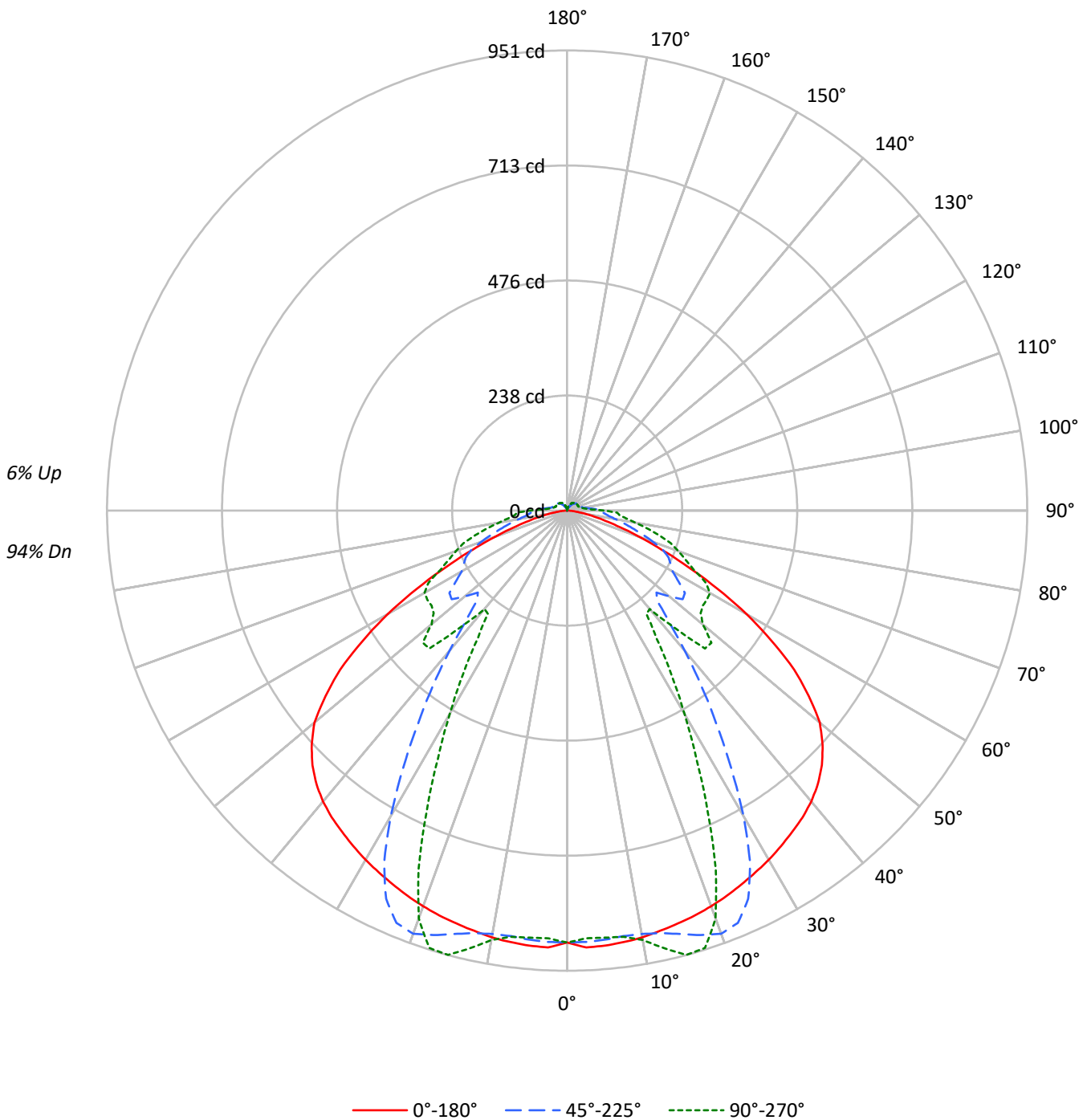
Lumens per Lamp: N/A
Luminaire Lumens: 2293.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	7213	7213	7213
5°	7301	7045	6958
10°	7310	6937	6934
15°	7331	7035	7227
20°	7398	7245	6784
25°	7490	6962	5224
30°	7639	5832	3716
35°	7827	4416	2515
40°	8067	3211	2130
45°	8251	2329	3349
50°	8261	2579	3178
55°	7723	2968	3139
60°	6579	2716	3336
65°	4950	2739	3052
70°	3473	2493	2840
75°	2276	2089	2549
80°	1451	1790	2121
85°	786	1700	1905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	3.7
10°-20°	256.5	11.2
20°-30°	372.6	16.2
30°-40°	356.0	15.5
40°-50°	325.6	14.2
50°-60°	300.6	13.1
60°-70°	238.8	10.4
70°-80°	147.4	6.4
80°-90°	80.3	3.5
90°-100°	40.6	1.8
100°-110°	25.5	1.1
110°-120°	21.6	0.9
120°-130°	17.6	0.8
130°-140°	12.6	0.6
140°-150°	7.8	0.3
150°-160°	3.7	0.2
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	713.9	31.1
0°-40°	1069.9	46.7
0°-60°	1696.1	74.0
0°-90°	2162.6	94.3
90°-120°	87.7	3.8
90°-150°	125.7	5.5
90°-180°	130.0	5.7
0°-180°	2293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	893	893	893	893	893	
5°	902	889	890	886	886	86
15°	884	872	906	939	951	250
25°	852	869	886	750	688	394
35°	811	798	538	370	322	508
45°	744	519	262	335	403	572
55°	573	266	297	320	342	504
65°	276	173	232	281	288	279
75°	81	92	139	184	196	92
85°	12	39	79	107	109	15
90°	0	29	70	83	77	1
95°	0	27	49	43	41	0
105°	0	24	30	27	27	0
115°	0	20	29	26	24	0
125°	0	16	26	25	24	0
135°	0	12	20	22	22	0
145°	0	7	14	18	19	0
155°	1	4	9	12	14	0
165°	1	2	4	6	8	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°	892.6	892.6	892.6	892.6	892.6
2.5°	903.7	890.7	892.2	889.5	884.7
5°	902.5	888.7	890.3	885.5	885.9
7.5°	899.4	885.1	887.1	886.3	888.3
10°	895.8	880.8	888.3	895.0	900.9
12.5°	889.5	876.0	894.2	914.0	926.2
15°	883.6	871.7	905.7	939.3	950.7
17.5°	877.6	870.1	919.9	949.1	947.6
20°	870.1	869.3	930.6	920.7	896.6
22.5°	861.8	869.7	922.3	850.0	802.5
25°	852.3	868.9	885.5	749.6	688.4
27.5°	842.9	865.4	818.8	639.7	579.3
30°	833.4	855.9	728.7	539.4	484.5
32.5°	822.3	835.3	630.7	450.5	399.9
35°	810.8	797.8	537.8	370.3	322.0
37.5°	799.0	743.7	454.4	299.9	269.1
40°	784.8	675.7	377.8	257.2	265.5
42.5°	767.0	599.0	310.2	269.9	327.6
45°	744.5	519.2	262.4	334.7	403.1
47.5°	716.0	442.6	250.5	383.3	404.6
50°	681.6	372.2	275.4	367.5	365.9
52.5°	629.5	313.7	300.7	335.1	347.7
55°	572.6	266.3	297.2	319.7	342.2
57.5°	500.7	234.3	272.7	316.5	342.6
60°	429.1	213.0	251.7	316.1	340.6
62.5°	350.1	193.6	241.0	308.6	323.2
65°	276.2	172.7	231.6	281.3	288.1
67.5°	211.8	151.3	215.0	250.9	264.4
70°	159.6	130.4	188.9	227.6	244.2
72.5°	115.0	110.6	162.0	207.1	224.4
75°	81.4	92.1	138.7	183.7	196.0
77.5°	56.1	75.1	118.9	158.1	167.9
80°	36.7	60.1	101.2	135.9	142.6
82.5°	22.1	48.2	87.7	118.9	122.5
85°	11.5	39.1	78.6	107.1	108.7
87.5°	3.6	32.8	73.5	101.6	103.5
90°	0.4	29.2	70.3	83.4	77.1
92.5°	0.0	27.7	60.9	56.9	51.0
95°	0.0	27.3	48.6	43.1	40.7
97.5°	0.0	26.5	39.9	36.0	34.8
100°	0.0	25.7	34.4	31.6	31.2
102.5°	0.0	25.3	31.2	28.8	28.5
105°	0.0	24.5	30.0	27.3	26.9
107.5°	0.0	23.3	29.2	26.5	25.7
110°	0.0	22.1	29.2	26.1	24.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.9	29.2	25.7	24.5
115°	0.0	20.2	28.8	25.7	24.5
117.5°	0.4	19.4	28.5	25.7	24.5
120°	0.0	18.6	27.7	25.7	24.1
122.5°	0.4	17.4	26.9	25.3	24.1
125°	0.4	16.2	25.7	24.9	23.7
127.5°	0.4	15.0	24.5	24.1	22.9
130°	0.4	13.8	23.3	23.7	22.5
132.5°	0.4	12.6	21.7	22.9	22.1
135°	0.4	11.5	20.5	22.5	21.7
137.5°	0.4	10.3	19.0	21.3	21.3
140°	0.4	9.1	17.4	20.5	20.9
142.5°	0.4	8.3	15.8	19.8	20.2
145°	0.4	7.1	14.2	18.2	19.4
147.5°	0.4	6.3	12.6	16.6	18.2
150°	0.4	5.5	11.1	15.0	16.6
152.5°	0.4	4.7	9.9	13.0	15.4
155°	0.8	4.3	8.7	11.5	13.8
157.5°	0.8	3.6	7.1	9.9	11.9
160°	0.8	3.2	6.3	8.3	10.7
162.5°	0.8	2.8	5.1	7.1	9.1
165°	0.8	2.4	4.3	5.5	7.5
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)