

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-L850-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-L850-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

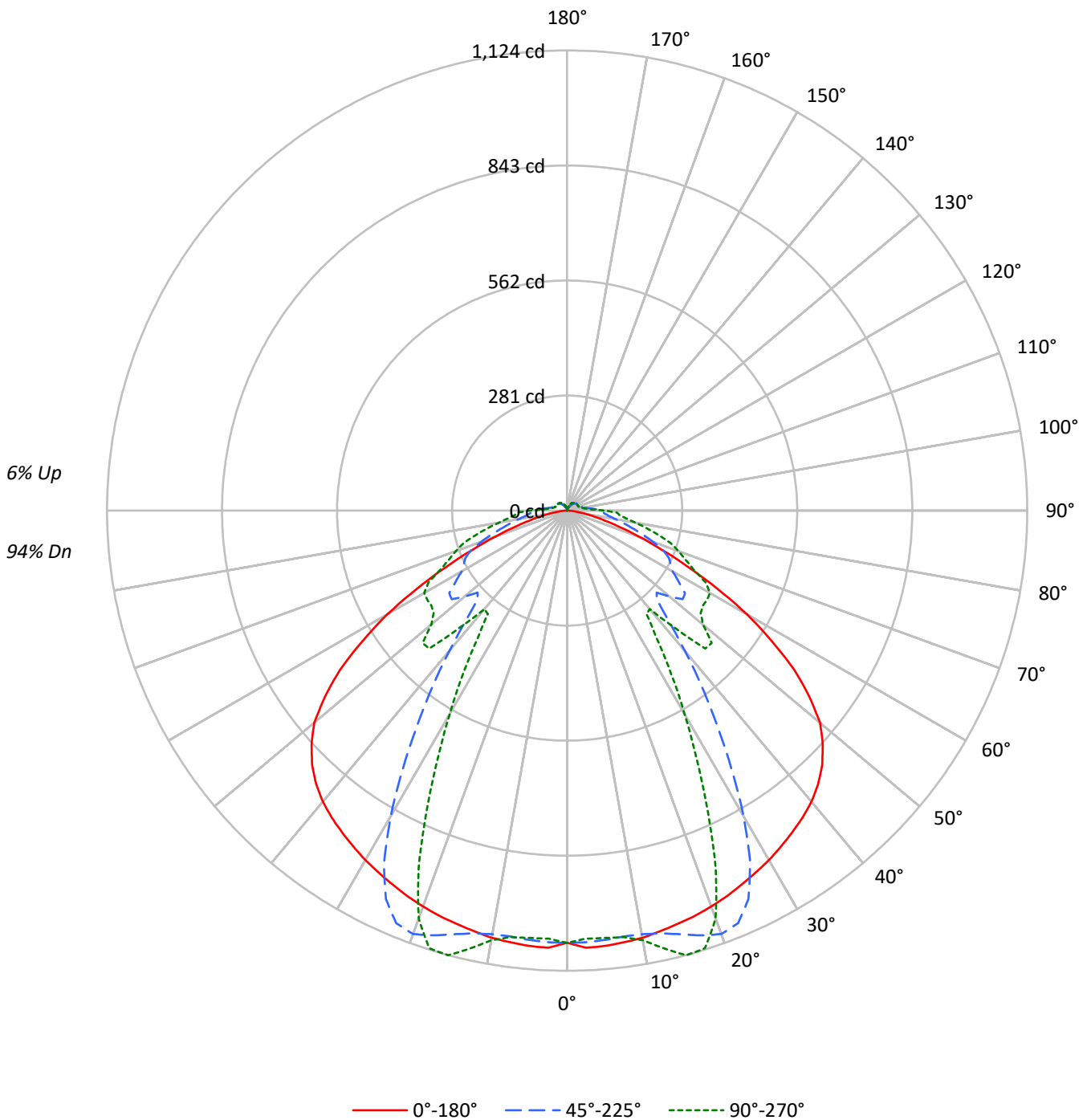
Lumens per Lamp: N/A
Luminaire Lumens: 2712.0 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	63	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°	8532	8532	8532
5°	8635	8332	8229
10°	8646	8205	8201
15°	8670	8321	8548
20°	8750	8568	8023
25°	8860	8234	6178
30°	9035	6897	4394
35°	9258	5224	2976
40°	9541	3797	2520
45°	9758	2754	3961
50°	9771	3050	3759
55°	9133	3511	3712
60°	7781	3212	3946
65°	5855	3240	3609
70°	4108	2949	3359
75°	2693	2470	3014
80°	1720	2116	2509
85°	929	2012	2252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	3.7
10°-20°	303.3	11.2
20°-30°	440.6	16.2
30°-40°	421.0	15.5
40°-50°	385.1	14.2
50°-60°	355.6	13.1
60°-70°	282.4	10.4
70°-80°	174.3	6.4
80°-90°	94.9	3.5
90°-100°	48.0	1.8
100°-110°	30.1	1.1
110°-120°	25.5	0.9
120°-130°	20.9	0.8
130°-140°	15.0	0.6
140°-150°	9.2	0.3
150°-160°	4.4	0.2
160°-170°	1.1	0.0
170°-180°	0.0	0.0
0°-30°	844.4	31.1
0°-40°	1265.4	46.7
0°-60°	2006.1	74.0
0°-90°	2557.8	94.3
90°-120°	103.7	3.8
90°-150°	148.7	5.5
90°-180°	154.0	5.7
0°-180°	2712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1056	1056	1056	1056	1056	
5°	1067	1051	1053	1047	1048	102
15°	1045	1031	1071	1111	1124	296
25°	1008	1028	1047	887	814	466
35°	959	944	636	438	381	601
45°	880	614	310	396	477	677
55°	677	315	352	378	405	596
65°	327	204	274	333	341	330
75°	96	109	164	217	232	109
85°	14	46	93	127	128	17
90°	0	35	83	99	91	1
95°	0	32	58	51	48	0
105°	0	29	36	32	32	0
115°	0	24	34	30	29	0
125°	0	19	30	29	28	0
135°	0	14	24	27	26	0
145°	0	8	17	22	23	0
155°	1	5	10	14	16	0
165°	1	3	5	6	9	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°	1055.8	1055.8	1055.8	1055.8	1055.8
2.5°	1068.8	1053.4	1055.3	1052.0	1046.4
5°	1067.4	1051.1	1053.0	1047.3	1047.8
7.5°	1063.7	1046.9	1049.2	1048.3	1050.6
10°	1059.5	1041.7	1050.6	1058.6	1065.6
12.5°	1052.0	1036.1	1057.6	1081.0	1095.5
15°	1045.0	1031.0	1071.2	1110.9	1124.5
17.5°	1038.0	1029.1	1088.0	1122.6	1120.7
20°	1029.1	1028.2	1100.6	1088.9	1060.4
22.5°	1019.3	1028.6	1090.8	1005.3	949.2
25°	1008.1	1027.7	1047.3	886.6	814.1
27.5°	996.9	1023.5	968.4	756.6	685.1
30°	985.7	1012.3	861.8	637.9	573.0
32.5°	972.6	988.0	745.9	532.8	473.0
35°	959.0	943.6	636.1	437.9	380.9
37.5°	945.0	879.6	537.5	354.7	318.3
40°	928.2	799.2	446.8	304.2	314.1
42.5°	907.1	708.5	366.9	319.2	387.4
45°	880.5	614.1	310.3	395.8	476.7
47.5°	846.8	523.4	296.3	453.3	478.6
50°	806.2	440.2	325.7	434.6	432.8
52.5°	744.5	371.1	355.7	396.3	411.3
55°	677.2	315.0	351.5	378.1	404.7
57.5°	592.1	277.1	322.5	374.4	405.2
60°	507.5	251.9	297.7	373.9	402.9
62.5°	414.1	229.0	285.1	365.0	382.3
65°	326.7	204.2	273.9	332.8	340.7
67.5°	250.5	179.0	254.2	296.8	312.7
70°	188.8	154.2	223.4	269.2	288.8
72.5°	136.0	130.9	191.6	244.9	265.5
75°	96.3	108.9	164.0	217.3	231.8
77.5°	66.4	88.8	140.7	186.9	198.6
80°	43.5	71.0	119.6	160.8	168.7
82.5°	26.2	57.0	103.8	140.7	144.9
85°	13.6	46.3	93.0	126.7	128.5
87.5°	4.2	38.8	86.9	120.1	122.4
90°	0.5	34.6	83.2	98.6	91.1
92.5°	0.0	32.7	72.0	67.3	60.3
95°	0.0	32.2	57.5	50.9	48.1
97.5°	0.0	31.3	47.2	42.5	41.1
100°	0.0	30.4	40.7	37.4	36.9
102.5°	0.0	29.9	36.9	34.1	33.6
105°	0.0	29.0	35.5	32.2	31.8
107.5°	0.0	27.6	34.6	31.3	30.4
110°	0.0	26.2	34.6	30.8	29.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.8	34.6	30.4	29.0
115°	0.0	23.8	34.1	30.4	29.0
117.5°	0.5	22.9	33.6	30.4	29.0
120°	0.0	22.0	32.7	30.4	28.5
122.5°	0.5	20.6	31.8	29.9	28.5
125°	0.5	19.2	30.4	29.4	28.0
127.5°	0.5	17.8	29.0	28.5	27.1
130°	0.5	16.4	27.6	28.0	26.6
132.5°	0.5	15.0	25.7	27.1	26.2
135°	0.5	13.6	24.3	26.6	25.7
137.5°	0.5	12.2	22.4	25.2	25.2
140°	0.5	10.7	20.6	24.3	24.8
142.5°	0.5	9.8	18.7	23.4	23.8
145°	0.5	8.4	16.8	21.5	22.9
147.5°	0.5	7.5	15.0	19.6	21.5
150°	0.5	6.5	13.1	17.8	19.6
152.5°	0.5	5.6	11.7	15.4	18.2
155°	0.9	5.1	10.3	13.6	16.4
157.5°	0.9	4.2	8.4	11.7	14.0
160°	0.9	3.7	7.5	9.8	12.6
162.5°	0.9	3.3	6.1	8.4	10.7
165°	0.9	2.8	5.1	6.5	8.9
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)