

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

Summary

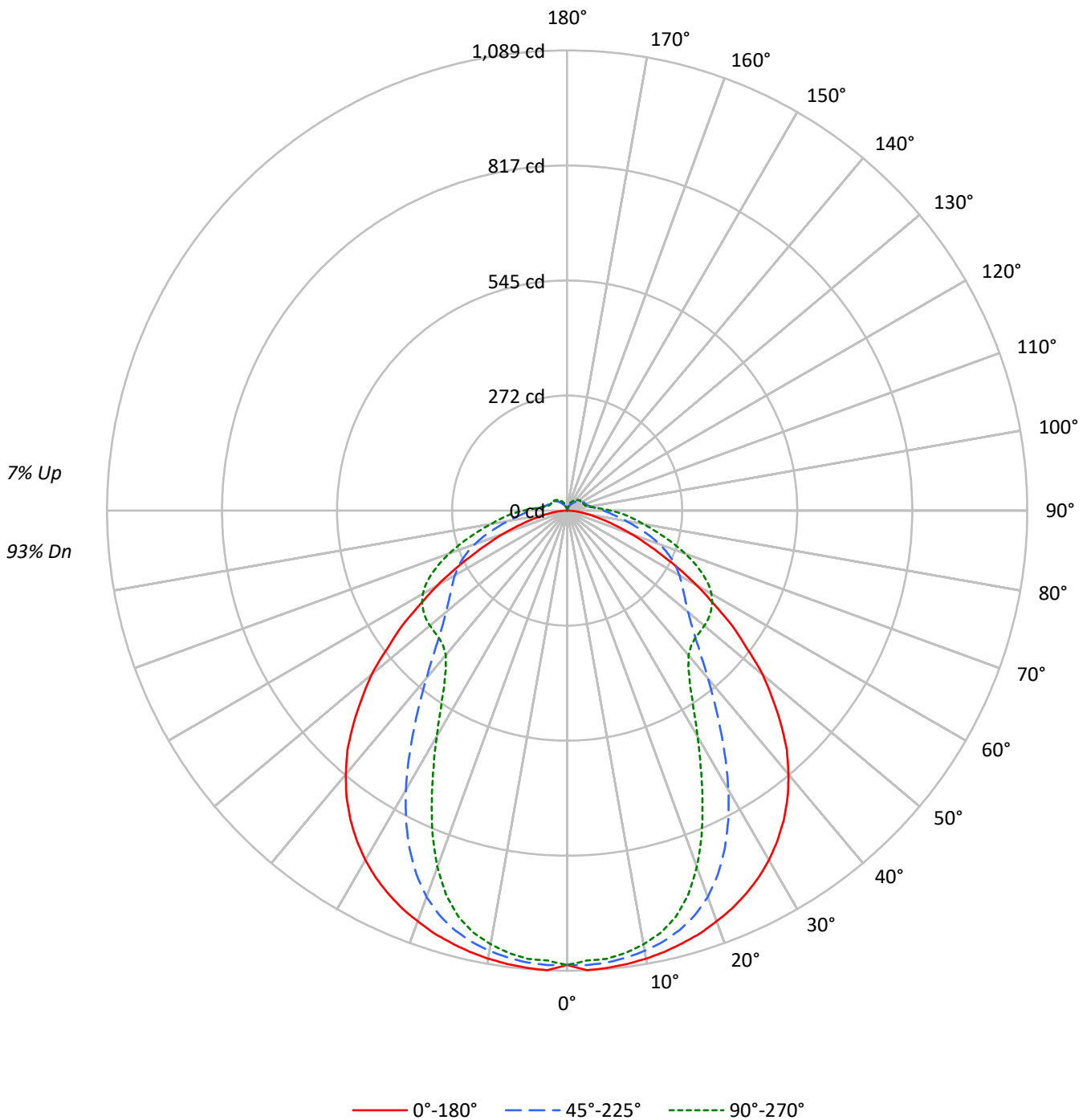
Lumens per Lamp: N/A
Luminaire Lumens: 2704.0 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	8689	8689	8689
5°	8789	8497	8364
10°	8786	8262	8020
15°	8789	7985	7562
20°	8793	7574	6792
25°	8796	6940	5751
30°	8754	6107	4730
35°	8630	5196	3965
40°	8377	4400	3584
45°	7934	3824	3556
50°	7329	3496	3681
55°	6453	3360	3810
60°	5444	3312	3863
65°	4380	3239	3743
70°	3518	3072	3451
75°	2654	2780	3063
80°	1957	2496	2725
85°	1312	2356	2506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	3.8
10°-20°	287.5	10.6
20°-30°	401.9	14.9
30°-40°	416.9	15.4
40°-50°	385.1	14.2
50°-60°	343.9	12.7
60°-70°	278.7	10.3
70°-80°	185.4	6.9
80°-90°	106.1	3.9
90°-100°	58.7	2.2
100°-110°	39.8	1.5
110°-120°	33.1	1.2
120°-130°	26.9	1.0
130°-140°	19.4	0.7
140°-150°	11.7	0.4
150°-160°	5.6	0.2
160°-170°	1.5	0.1
170°-180°	0.0	0.0
0°-30°	791.2	29.3
0°-40°	1208.1	44.7
0°-60°	1937.1	71.6
0°-90°	2507.3	92.7
90°-120°	131.6	4.9
90°-150°	189.6	7.0
90°-180°	197.0	7.3
0°-180°	2704.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1075	1075	1075	1075	1075	
5°	1086	1068	1074	1066	1065	103
15°	1059	1037	1028	1005	995	299
25°	1001	956	883	790	758	461
35°	894	796	633	531	508	558
45°	716	567	431	415	428	550
55°	478	362	336	391	415	425
65°	244	219	274	336	353	247
75°	95	119	185	226	236	104
85°	19	55	109	139	143	22
90°	1	39	86	104	103	1
95°	1	33	68	73	71	1
105°	0	28	49	48	45	1
115°	0	26	44	43	42	0
125°	0	22	38	40	39	1
135°	1	16	30	36	36	1
145°	1	10	21	28	29	1
155°	1	6	13	17	21	0
165°	1	4	6	8	11	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°	1075.2	1075.2	1075.2	1075.2	1075.2
2.5°	1088.8	1071.0	1076.6	1071.9	1065.9
5°	1086.4	1068.2	1073.8	1066.3	1064.9
7.5°	1082.2	1064.0	1067.3	1058.4	1056.1
10°	1076.6	1057.5	1057.9	1045.3	1042.0
12.5°	1069.1	1048.1	1045.3	1028.0	1023.4
15°	1059.3	1036.9	1028.0	1004.7	994.8
17.5°	1048.6	1022.4	1004.2	968.2	952.8
20°	1034.1	1004.7	972.9	918.2	897.7
22.5°	1019.6	983.2	932.2	859.3	831.8
25°	1000.9	956.5	882.7	790.2	757.9
27.5°	979.9	925.2	825.7	719.1	684.6
30°	955.1	887.4	763.1	649.5	616.8
32.5°	926.2	844.8	697.2	586.9	556.5
35°	893.9	795.8	632.7	531.3	507.5
37.5°	857.0	742.0	572.9	486.4	471.0
40°	814.9	683.6	517.7	451.9	446.7
42.5°	769.6	626.6	470.6	429.4	434.1
45°	715.9	567.3	430.8	415.4	428.0
47.5°	659.3	509.3	398.6	407.5	425.7
50°	604.7	455.6	373.4	402.3	423.8
52.5°	536.9	407.5	353.3	397.7	421.0
55°	478.5	361.7	336.4	391.1	415.4
57.5°	411.2	320.6	321.5	382.7	407.0
60°	355.1	283.2	307.0	371.0	394.4
62.5°	298.1	249.5	291.1	355.6	376.6
65°	244.4	218.7	273.8	335.5	353.3
67.5°	199.5	190.7	254.2	311.2	326.2
70°	161.7	165.0	232.7	284.1	296.7
72.5°	124.3	141.1	209.3	255.1	265.9
75°	94.9	118.7	184.6	226.2	235.5
77.5°	70.1	99.1	162.1	200.0	207.9
80°	49.5	81.8	141.1	177.1	183.2
82.5°	33.2	67.3	123.8	156.5	162.1
85°	19.2	55.1	108.9	139.3	143.0
87.5°	7.9	45.8	96.7	121.5	123.4
90°	0.9	38.8	86.0	103.7	102.8
92.5°	0.9	35.0	76.6	86.9	84.6
95°	0.9	32.7	68.2	72.9	70.6
97.5°	0.9	31.3	60.7	62.6	60.3
100°	0.5	30.4	55.6	55.6	53.3
102.5°	0.5	29.4	51.9	50.5	48.6
105°	0.5	28.5	49.1	47.7	45.3
107.5°	0.5	28.0	47.2	45.8	43.5
110°	0.5	27.1	45.8	44.4	42.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	26.6	44.9	43.9	41.6
115°	0.5	25.7	43.5	43.0	41.6
117.5°	0.5	24.8	42.5	42.5	41.1
120°	0.5	23.8	41.1	42.1	40.7
122.5°	0.5	22.9	39.7	41.1	39.7
125°	0.5	22.0	38.3	40.2	39.3
127.5°	0.9	20.6	36.4	39.3	38.3
130°	0.5	19.2	34.6	38.3	37.8
132.5°	0.9	17.8	32.7	36.9	36.9
135°	0.9	16.4	30.4	35.5	35.5
137.5°	0.9	14.5	28.0	33.6	34.1
140°	0.9	13.1	25.7	31.8	32.7
142.5°	0.9	11.7	23.4	29.9	31.3
145°	0.9	10.3	21.0	27.6	29.4
147.5°	0.9	9.3	18.7	24.8	27.6
150°	0.9	7.9	16.8	22.4	25.2
152.5°	0.9	7.0	15.0	20.1	23.4
155°	0.9	6.5	13.1	17.3	21.0
157.5°	0.9	5.6	11.2	15.0	18.7
160°	0.9	4.7	9.3	13.1	15.9
162.5°	0.9	4.2	7.9	10.7	14.0
165°	0.9	3.7	6.5	8.4	11.2
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)