

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: **2SNLED-LD5-26SL-SLN-UNV-L835-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: 2SNLED-LD5-26SL-SLN-UNV-L835-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

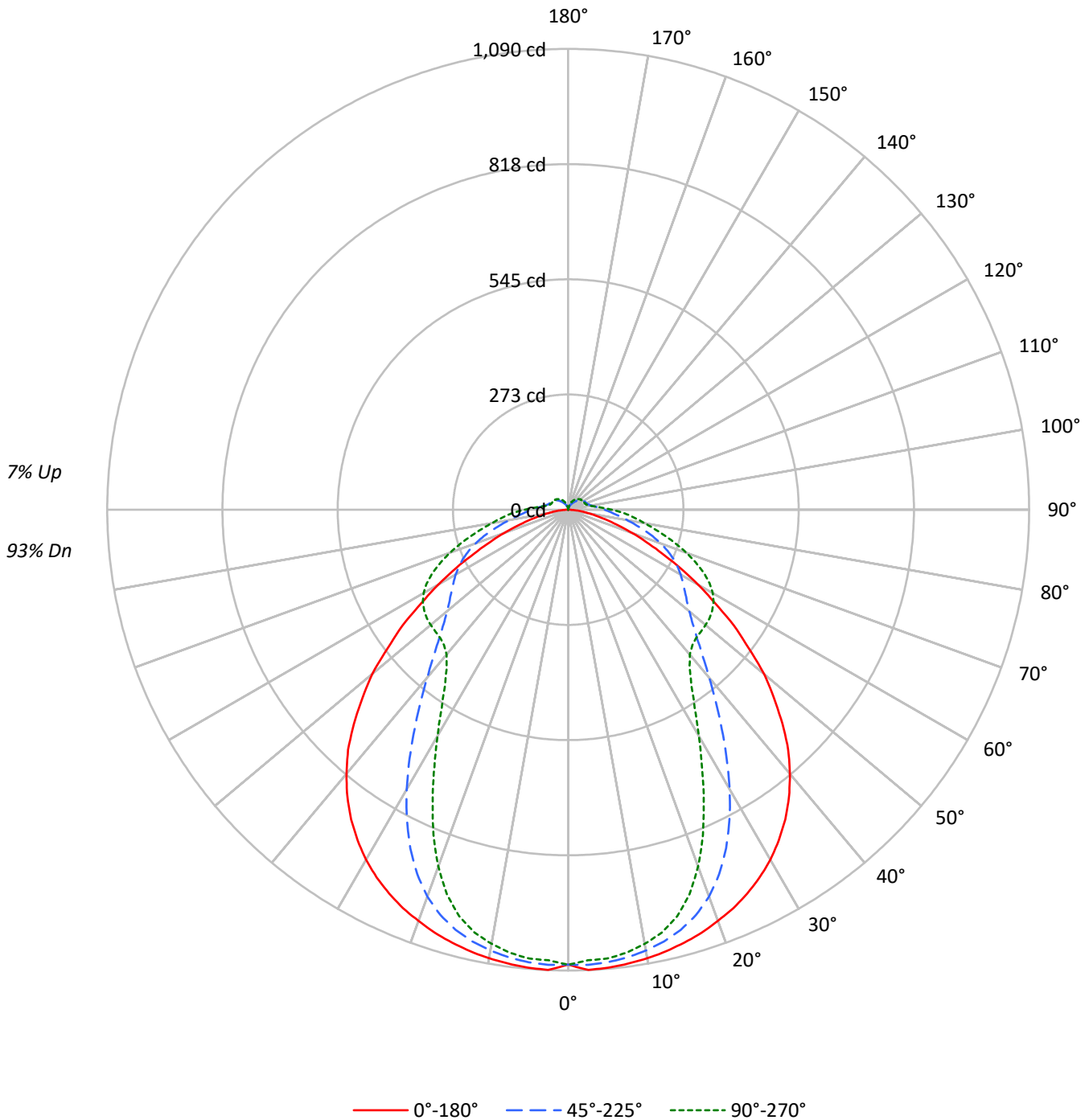
Lumens per Lamp: N/A
Luminaire Lumens: 2706.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
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°	17390	17390	17390
5°	17543	16974	16740
10°	17489	16475	16051
15°	17446	15895	15136
20°	17404	15049	13593
25°	17357	13766	11511
30°	17216	12089	9468
35°	16911	10267	7934
40°	16348	8677	7173
45°	15411	7526	7118
50°	14160	6862	7368
55°	12388	6578	7625
60°	10366	6464	7732
65°	8249	6297	7490
70°	6525	5947	6907
75°	4805	5351	6130
80°	3408	4769	5453
85°	2077	4453	5016



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	3.8
10°-20°	287.7	10.6
20°-30°	402.2	14.9
30°-40°	417.2	15.4
40°-50°	385.4	14.2
50°-60°	344.1	12.7
60°-70°	278.9	10.3
70°-80°	185.5	6.9
80°-90°	106.2	3.9
90°-100°	58.8	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°	791.8	29.3
0°-40°	1209.0	44.7
0°-60°	1938.5	71.6
0°-90°	2509.1	92.7
90°-120°	131.7	4.9
90°-150°	189.8	7.0
90°-180°	197.0	7.3
0°-180°	2706.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1076	1076	1076	1076	1076	
5°	1087	1069	1075	1067	1066	103
15°	1060	1038	1029	1005	996	300
25°	1002	957	883	791	758	462
35°	895	796	633	532	508	558
45°	716	568	431	416	428	551
55°	479	362	337	391	416	426
65°	245	219	274	336	354	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	30	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°	1076.0	1076.0	1076.0	1076.0	1076.0
2.5°	1089.6	1071.8	1077.4	1072.7	1066.7
5°	1087.2	1069.0	1074.6	1067.1	1065.7
7.5°	1083.0	1064.8	1068.1	1059.2	1056.8
10°	1077.4	1058.2	1058.7	1046.1	1042.8
12.5°	1069.9	1048.9	1046.1	1028.8	1024.1
15°	1060.1	1037.7	1028.8	1005.4	995.6
17.5°	1049.4	1023.2	1004.9	968.9	953.5
20°	1034.9	1005.4	973.6	918.9	898.3
22.5°	1020.4	983.9	932.9	860.0	832.4
25°	1001.7	957.2	883.4	790.8	758.5
27.5°	980.6	925.9	826.3	719.7	685.1
30°	955.8	888.0	763.6	650.0	617.3
32.5°	926.8	845.5	697.7	587.3	556.9
35°	894.6	796.4	633.2	531.7	507.8
37.5°	857.6	742.6	573.3	486.8	471.4
40°	815.5	684.1	518.1	452.2	447.1
42.5°	770.2	627.1	470.9	429.8	434.4
45°	716.4	567.7	431.2	415.7	428.3
47.5°	659.8	509.7	398.9	407.8	426.0
50°	605.1	455.9	373.6	402.6	424.1
52.5°	537.3	407.8	353.5	398.0	421.3
55°	478.9	361.9	336.7	391.4	415.7
57.5°	411.5	320.8	321.7	383.0	407.3
60°	355.4	283.4	307.2	371.3	394.7
62.5°	298.3	249.7	291.3	355.9	376.9
65°	244.6	218.9	274.0	335.8	353.5
67.5°	199.7	190.8	254.4	311.4	326.4
70°	161.8	165.1	232.9	284.3	296.9
72.5°	124.4	141.2	209.5	255.3	266.1
75°	94.9	118.8	184.7	226.3	235.7
77.5°	70.1	99.1	162.3	200.1	208.1
80°	49.6	81.8	141.2	177.2	183.3
82.5°	33.2	67.3	123.9	156.7	162.3
85°	19.2	55.2	109.0	139.4	143.1
87.5°	7.9	45.8	96.8	121.6	123.5
90°	0.9	38.8	86.0	103.8	102.9
92.5°	0.9	35.1	76.7	87.0	84.6
95°	0.9	32.7	68.3	73.0	70.6
97.5°	0.9	31.3	60.8	62.7	60.3
100°	0.5	30.4	55.6	55.6	53.3
102.5°	0.5	29.5	51.9	50.5	48.6
105°	0.5	28.5	49.1	47.7	45.4
107.5°	0.5	28.1	47.2	45.8	43.5
110°	0.5	27.1	45.8	44.4	42.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	26.7	44.9	44.0	41.6
115°	0.5	25.7	43.5	43.0	41.6
117.5°	0.5	24.8	42.6	42.6	41.2
120°	0.5	23.8	41.2	42.1	40.7
122.5°	0.5	22.9	39.7	41.2	39.7
125°	0.5	22.0	38.3	40.2	39.3
127.5°	0.9	20.6	36.5	39.3	38.3
130°	0.5	19.2	34.6	38.3	37.9
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	28.1	33.7	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	29.5
147.5°	0.9	9.4	18.7	24.8	27.6
150°	0.9	7.9	16.8	22.4	25.3
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	9.4	13.1	15.9
162.5°	0.9	4.2	7.9	10.8	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)