

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-LD5-41SL-SLW-UNV-L935-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 (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-41SL-SLW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

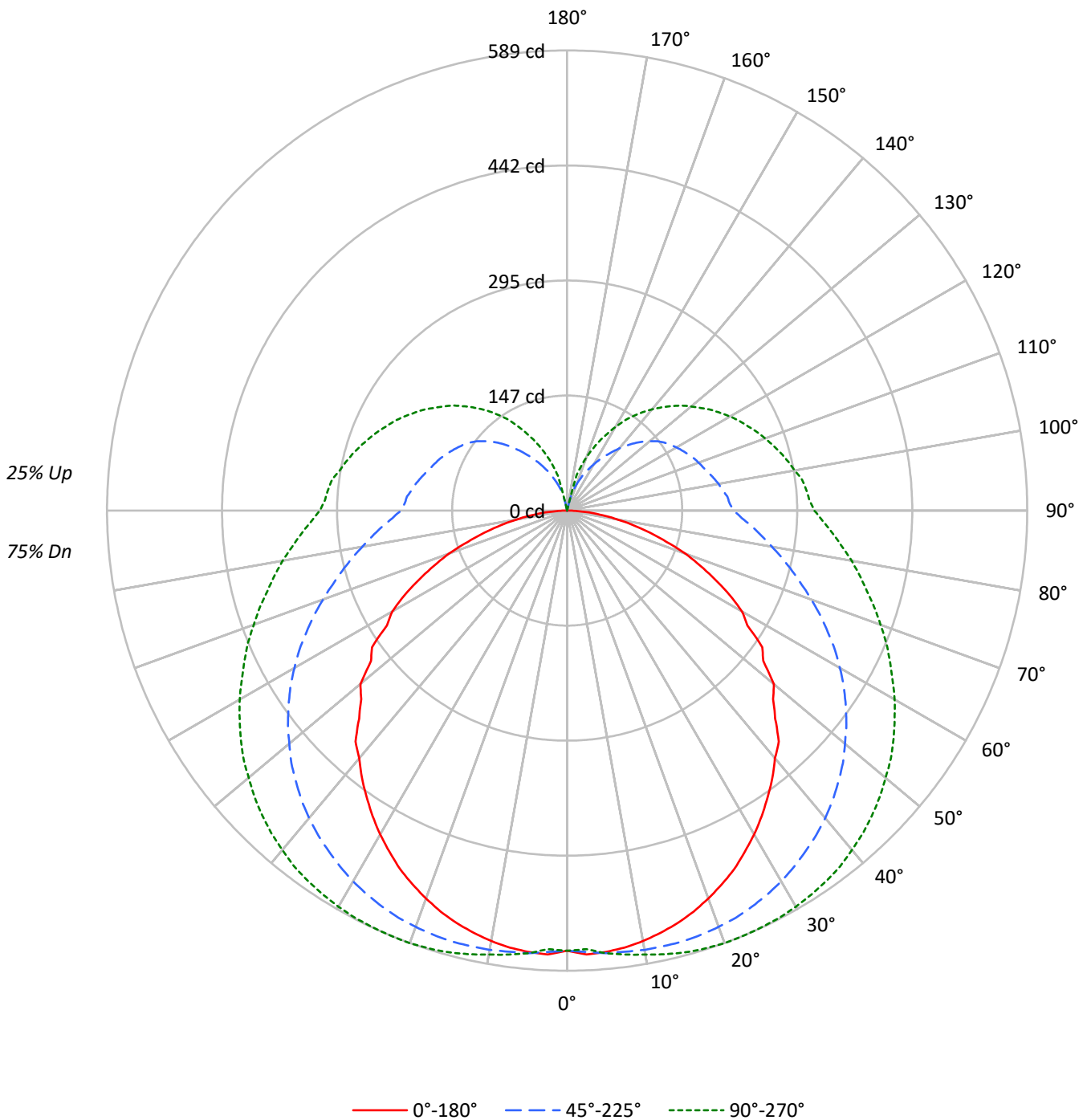
Lumens per Lamp: N/A
Luminaire Lumens: 3244.0 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 35
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	50	30	10	0	
RCR																						
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75				
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56				
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44				
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36				
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30				
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25				
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22				
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19				
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17				
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15				
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4552	4552	4552
5°	4588	4500	4467
10°	4566	4459	4442
15°	4535	4435	4450
20°	4492	4415	4458
25°	4449	4399	4466
30°	4388	4386	4489
35°	4320	4370	4520
40°	4255	4367	4549
45°	4173	4357	4586
50°	4185	4346	4622
55°	4112	4348	4678
60°	3962	4350	4741
65°	3744	4355	4829
70°	3499	4388	4965
75°	3070	4490	5165
80°	2593	4706	5499
85°	1927	5144	5985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	1.7
10°-20°	160.5	4.9
20°-30°	255.1	7.9
30°-40°	327.4	10.1
40°-50°	369.7	11.4
50°-60°	377.2	11.6
60°-70°	349.4	10.8
70°-80°	295.8	9.1
80°-90°	236.2	7.3
90°-100°	200.5	6.2
100°-110°	178.7	5.5
110°-120°	152.2	4.7
120°-130°	120.9	3.7
130°-140°	85.7	2.6
140°-150°	51.2	1.6
150°-160°	23.9	0.7
160°-170°	5.7	0.2
170°-180°	0.0	0.0
0°-30°	469.7	14.5
0°-40°	797.1	24.6
0°-60°	1543.9	47.6
0°-90°	2425.3	74.8
90°-120°	531.4	16.4
90°-150°	789.1	24.3
90°-180°	819.0	25.2
0°-180°	3244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	563	563	563	563	563	
5°	567	563	569	569	569	54
15°	547	551	571	582	585	154
25°	506	523	560	579	588	233
35°	448	480	532	565	579	280
45°	377	428	491	534	552	292
55°	305	356	435	489	510	268
65°	209	278	368	432	456	207
75°	110	194	298	371	397	117
85°	28	125	238	315	342	31
90°	2	102	213	290	316	2
95°	0	96	206	281	307	0
105°	0	88	188	258	284	0
115°	0	82	171	232	255	0
125°	0	71	152	205	225	0
135°	0	53	122	173	189	0
145°	0	34	85	130	148	0
155°	1	21	53	79	98	0
165°	1	11	24	33	46	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: 4SNLED-LD5-41SL-SLW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	563.3	563.3	563.3	563.3	563.3
2.5°	568.7	562.6	565.6	564.9	561.8
5°	567.1	562.6	568.7	568.7	568.7
7.5°	564.1	561.0	569.4	572.5	573.2
10°	559.5	559.5	571.0	575.5	577.1
12.5°	553.4	555.7	571.0	577.8	581.6
15°	546.6	551.1	571.0	581.6	585.4
17.5°	538.2	545.8	569.4	582.4	587.7
20°	528.3	539.7	567.1	582.4	589.2
22.5°	517.6	532.1	564.1	580.9	589.2
25°	506.2	522.9	559.5	579.3	588.5
27.5°	492.4	513.8	554.2	577.1	587.7
30°	478.7	503.1	548.1	574.0	585.4
32.5°	463.5	491.7	540.5	569.4	582.4
35°	447.5	480.2	532.1	564.9	578.6
37.5°	431.5	466.5	523.7	558.8	574.0
40°	413.9	452.8	513.8	551.1	567.1
42.5°	401.0	438.3	503.1	543.5	560.3
45°	376.6	427.6	490.9	533.6	551.9
47.5°	357.5	407.1	478.7	523.7	542.7
50°	345.3	390.3	464.2	512.3	532.1
52.5°	316.3	378.9	450.5	500.8	522.2
55°	304.9	356.0	435.3	488.6	510.0
57.5°	273.7	340.0	420.0	474.9	497.0
60°	258.4	317.9	403.2	461.2	484.1
62.5°	234.8	298.8	386.5	445.9	469.6
65°	208.9	278.2	368.2	431.5	455.8
67.5°	184.5	257.7	350.7	416.2	442.1
70°	160.8	236.3	332.4	401.0	426.9
72.5°	133.4	215.0	314.8	386.5	412.4
75°	109.8	194.4	298.1	371.2	397.2
77.5°	86.9	174.6	282.0	357.5	383.4
80°	65.6	155.5	266.0	343.0	369.7
82.5°	45.7	139.5	251.6	329.3	355.2
85°	28.2	125.0	237.8	314.8	341.5
87.5°	13.0	112.1	224.1	301.1	328.5
90°	1.5	102.1	212.7	289.7	316.3
92.5°	0.8	99.1	208.1	284.3	310.3
95°	0.0	96.0	205.8	281.3	307.2
97.5°	0.0	93.0	200.5	276.7	303.4
100°	0.0	91.5	196.7	269.8	295.8
102.5°	0.0	89.2	192.1	263.8	289.7
105°	0.0	88.4	187.5	258.4	283.6
107.5°	0.0	86.9	182.9	251.6	276.7
110°	0.0	85.4	179.1	245.5	269.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	83.9	175.3	239.4	263.0
115°	0.0	82.3	170.8	232.5	255.4
117.5°	0.0	80.0	166.2	225.6	248.5
120°	0.0	77.0	161.6	219.5	240.9
122.5°	0.0	73.9	157.0	211.9	232.5
125°	0.0	70.9	151.7	205.1	224.9
127.5°	0.0	66.3	145.6	197.4	215.7
130°	0.0	61.7	138.0	189.8	207.3
132.5°	0.8	57.2	130.4	181.4	199.0
135°	0.0	52.6	122.0	173.0	189.0
137.5°	0.0	48.8	112.8	163.9	179.1
140°	0.0	44.2	103.7	153.2	169.2
142.5°	0.0	38.9	94.5	141.8	158.6
145°	0.0	34.3	85.4	129.6	147.9
147.5°	0.8	30.5	77.0	116.6	136.4
150°	0.8	27.4	68.6	103.7	123.5
152.5°	0.8	24.4	60.2	91.5	110.5
155°	0.8	21.3	52.6	79.3	98.3
157.5°	0.8	18.3	44.2	67.1	85.4
160°	0.8	16.0	36.6	56.4	73.2
162.5°	0.8	13.7	29.7	44.2	60.2
165°	0.8	11.4	23.6	32.8	46.5
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)