

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1213351

Luminaire Tested: 2SNLED-LD5-39HL-SLW-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2SNLED-LD5-39HL-SLW-UNV-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

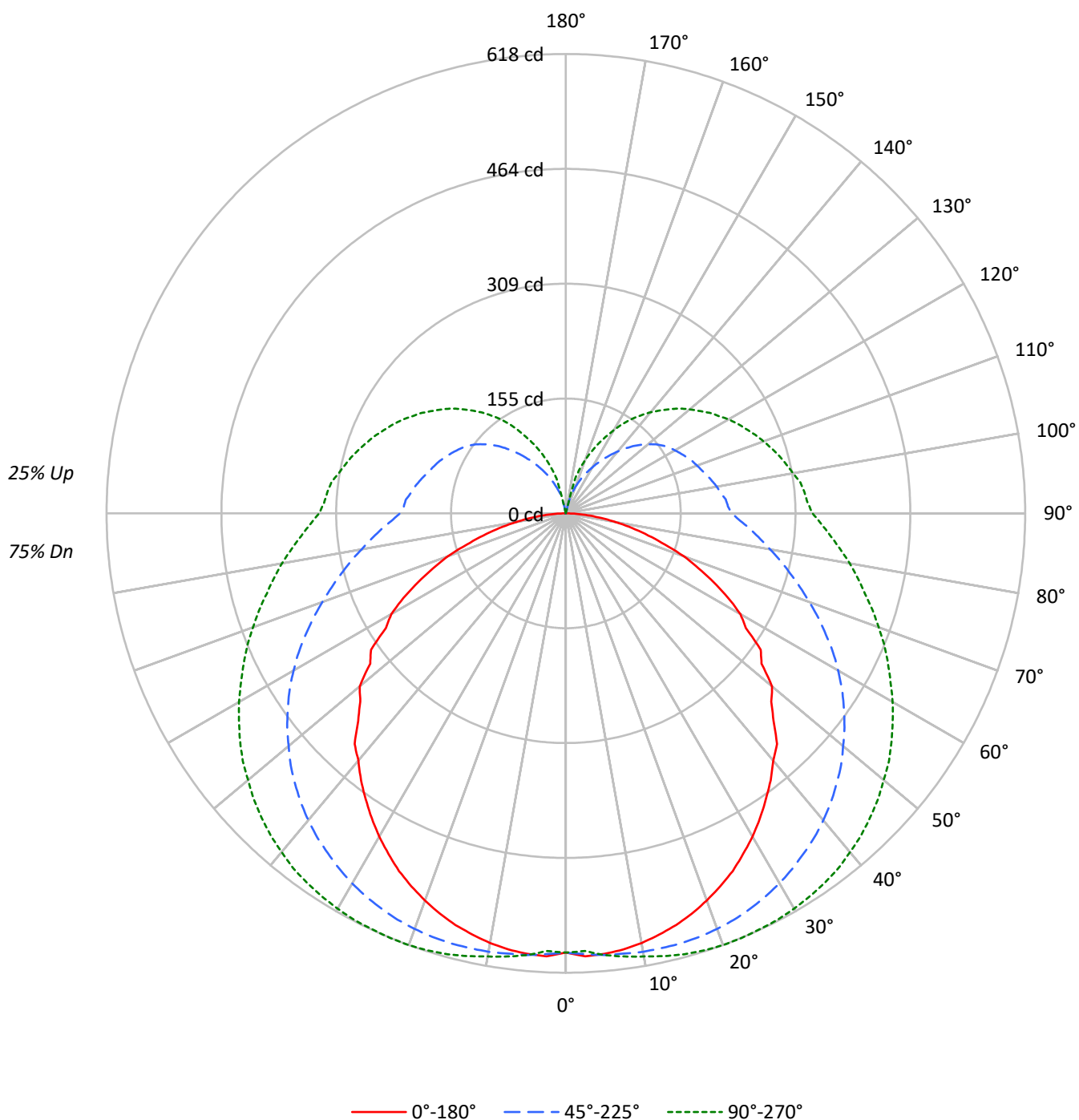
Lumens per Lamp: N/A
Luminaire Lumens: 3403.0 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 36
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9550	9550	9550
5°	9599	9422	9370
10°	9527	9320	9317
15°	9435	9253	9336
20°	9320	9196	9353
25°	9201	9146	9368
30°	9046	9102	9419
35°	8873	9051	9482
40°	8704	9027	9545
45°	8497	8988	9620
50°	8476	8944	9697
55°	8275	8921	9814
60°	7907	8900	9947
65°	7389	8876	10132
70°	6804	8901	10417
75°	5828	9059	10835
80°	4728	9426	11536
85°	3202	10193	12555

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 90°

Luminance: 14290 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	1.7
10°-20°	168.3	4.9
20°-30°	267.6	7.9
30°-40°	343.4	10.1
40°-50°	387.8	11.4
50°-60°	395.7	11.6
60°-70°	366.6	10.8
70°-80°	310.3	9.1
80°-90°	247.7	7.3
90°-100°	210.4	6.2
100°-110°	187.4	5.5
110°-120°	159.6	4.7
120°-130°	126.8	3.7
130°-140°	89.9	2.6
140°-150°	53.7	1.6
150°-160°	25.0	0.7
160°-170°	5.9	0.2
170°-180°	0.0	0.0
0°-30°	492.7	14.5
0°-40°	836.1	24.6
0°-60°	1619.6	47.6
0°-90°	2544.2	74.8
90°-120°	557.4	16.4
90°-150°	827.9	24.3
90°-180°	859.0	25.2
0°-180°	3403.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	591	591	591	591	591	
5°	595	590	596	596	596	57
15°	573	578	599	610	614	162
25°	531	549	587	608	617	244
35°	469	504	558	592	607	294
45°	395	449	515	560	579	307
55°	320	373	457	513	535	281
65°	219	292	386	453	478	217
75°	115	204	313	389	417	123
85°	30	131	250	330	358	32
90°	2	107	223	304	332	2
95°	0	101	216	295	322	0
105°	0	93	197	271	298	0
115°	0	86	179	244	268	0
125°	0	74	159	215	236	0
135°	0	55	128	182	198	0
145°	0	36	90	136	155	0
155°	1	22	55	83	103	0
165°	1	12	25	34	49	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°	590.9	590.9	590.9	590.9	590.9
2.5°	596.5	590.1	593.3	592.5	589.3
5°	594.9	590.1	596.5	596.5	596.5
7.5°	591.7	588.5	597.3	600.5	601.3
10°	586.9	586.9	598.9	603.7	605.3
12.5°	580.5	582.9	598.9	606.1	610.1
15°	573.3	578.1	598.9	610.1	614.1
17.5°	564.6	572.5	597.3	610.9	616.5
20°	554.2	566.2	594.9	610.9	618.1
22.5°	543.0	558.2	591.7	609.3	618.1
25°	531.0	548.6	586.9	607.7	617.3
27.5°	516.6	539.0	581.3	605.3	616.5
30°	502.2	527.8	574.9	602.1	614.1
32.5°	486.2	515.8	567.0	597.3	610.9
35°	469.4	503.8	558.2	592.5	606.9
37.5°	452.6	489.4	549.4	586.1	602.1
40°	434.2	475.0	539.0	578.1	594.9
42.5°	420.6	459.8	527.8	570.2	587.7
45°	395.0	448.6	515.0	559.8	578.9
47.5°	375.0	427.0	502.2	549.4	569.4
50°	362.2	409.4	487.0	537.4	558.2
52.5°	331.9	397.4	472.6	525.4	547.8
55°	319.9	373.4	456.6	512.6	535.0
57.5°	287.1	356.6	440.6	498.2	521.4
60°	271.1	333.5	423.0	483.8	507.8
62.5°	246.3	313.5	405.4	467.8	492.6
65°	219.1	291.9	386.2	452.6	478.2
67.5°	193.5	270.3	367.8	436.6	463.8
70°	168.7	247.9	348.6	420.6	447.8
72.5°	139.9	225.5	330.3	405.4	432.6
75°	115.1	203.9	312.7	389.4	416.6
77.5°	91.2	183.1	295.9	375.0	402.2
80°	68.8	163.1	279.1	359.8	387.8
82.5°	48.0	146.3	263.9	345.4	372.6
85°	29.6	131.1	249.5	330.3	358.2
87.5°	13.6	117.5	235.1	315.9	344.6
90°	1.6	107.2	223.1	303.9	331.9
92.5°	0.8	104.0	218.3	298.3	325.5
95°	0.0	100.8	215.9	295.1	322.3
97.5°	0.0	97.6	210.3	290.3	318.3
100°	0.0	96.0	206.3	283.1	310.3
102.5°	0.0	93.6	201.5	276.7	303.9
105°	0.0	92.8	196.7	271.1	297.5
107.5°	0.0	91.2	191.9	263.9	290.3
110°	0.0	89.6	187.9	257.5	283.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	88.0	183.9	251.1	275.9
115°	0.0	86.4	179.1	243.9	267.9
117.5°	0.0	84.0	174.3	236.7	260.7
120°	0.0	80.8	169.5	230.3	252.7
122.5°	0.0	77.6	164.7	222.3	243.9
125°	0.0	74.4	159.1	215.1	235.9
127.5°	0.0	69.6	152.7	207.1	226.3
130°	0.0	64.8	144.7	199.1	217.5
132.5°	0.8	60.0	136.7	190.3	208.7
135°	0.0	55.2	127.9	181.5	198.3
137.5°	0.0	51.2	118.3	171.9	187.9
140°	0.0	46.4	108.8	160.7	177.5
142.5°	0.0	40.8	99.2	148.7	166.3
145°	0.0	36.0	89.6	135.9	155.1
147.5°	0.8	32.0	80.8	122.3	143.1
150°	0.8	28.8	72.0	108.8	129.5
152.5°	0.8	25.6	63.2	96.0	115.9
155°	0.8	22.4	55.2	83.2	103.2
157.5°	0.8	19.2	46.4	70.4	89.6
160°	0.8	16.8	38.4	59.2	76.8
162.5°	0.8	14.4	31.2	46.4	63.2
165°	0.8	12.0	24.8	34.4	48.8
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)