

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: P1213702

Luminaire Tested: 2SNLED-LD5-39HL-SLW-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213702
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-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

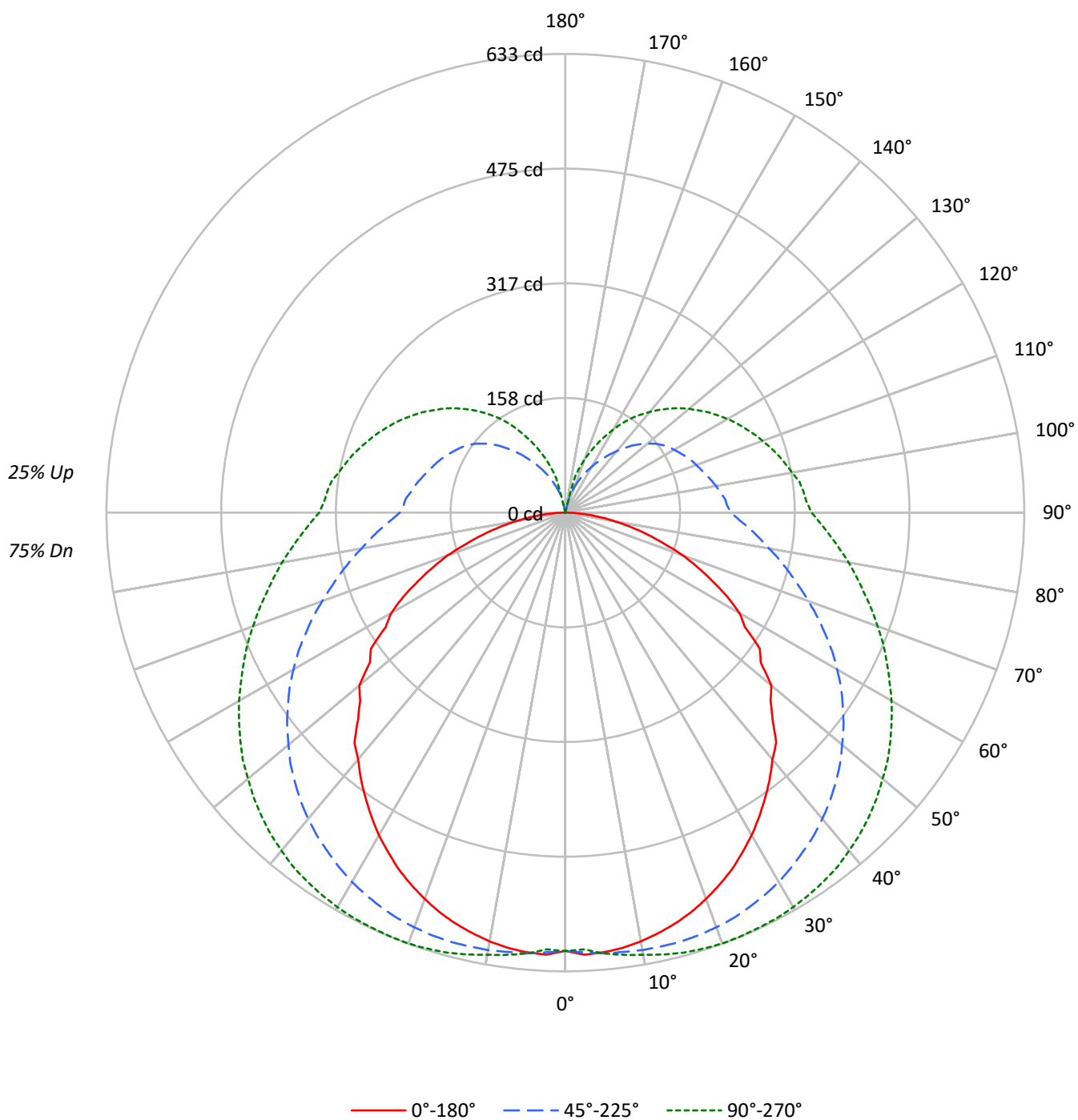
Lumens per Lamp: N/A
Luminaire Lumens: 3483.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

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°	9775	9775	9775
5°	9825	9645	9591
10°	9751	9539	9537
15°	9657	9471	9557
20°	9538	9412	9574
25°	9416	9361	9588
30°	9258	9317	9642
35°	9081	9264	9705
40°	8909	9238	9769
45°	8697	9199	9848
50°	8677	9154	9925
55°	8469	9130	10043
60°	8094	9110	10180
65°	7564	9085	10369
70°	6965	9110	10661
75°	5970	9270	11090
80°	4838	9645	11806
85°	3277	10434	12853

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 90°

Luminance: 14626 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	1.7
10°-20°	172.3	4.9
20°-30°	273.9	7.9
30°-40°	351.5	10.1
40°-50°	396.9	11.4
50°-60°	405.0	11.6
60°-70°	375.2	10.8
70°-80°	317.6	9.1
80°-90°	253.6	7.3
90°-100°	215.3	6.2
100°-110°	191.8	5.5
110°-120°	163.4	4.7
120°-130°	129.8	3.7
130°-140°	92.1	2.6
140°-150°	55.0	1.6
150°-160°	25.6	0.7
160°-170°	6.1	0.2
170°-180°	0.0	0.0
0°-30°	504.3	14.5
0°-40°	855.8	24.6
0°-60°	1657.6	47.6
0°-90°	2604.0	74.8
90°-120°	570.5	16.4
90°-150°	847.3	24.3
90°-180°	879.0	25.2
0°-180°	3483.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	605	605	605	605	605	
5°	609	604	611	611	611	58
15°	587	592	613	624	629	166
25°	543	562	601	622	632	250
35°	480	516	571	606	621	301
45°	404	459	527	573	593	314
55°	327	382	467	525	548	287
65°	224	299	395	463	489	223
75°	118	209	320	399	426	125
85°	30	134	255	338	367	33
90°	2	110	228	311	340	2
95°	0	103	221	302	330	0
105°	0	95	201	278	304	0
115°	0	88	183	250	274	0
125°	0	76	163	220	241	0
135°	0	56	131	186	203	0
145°	0	37	92	139	159	0
155°	1	23	56	85	106	0
165°	1	12	25	35	50	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°	604.8	604.8	604.8	604.8	604.8
2.5°	610.6	604.0	607.3	606.5	603.2
5°	608.9	604.0	610.6	610.6	610.6
7.5°	605.7	602.4	611.4	614.7	615.5
10°	600.7	600.7	613.0	617.9	619.6
12.5°	594.2	596.6	613.0	620.4	624.5
15°	586.8	591.7	613.0	624.5	628.6
17.5°	577.8	586.0	611.4	625.3	631.0
20°	567.2	579.5	608.9	625.3	632.7
22.5°	555.7	571.3	605.7	623.7	632.7
25°	543.4	561.5	600.7	622.0	631.8
27.5°	528.7	551.6	595.0	619.6	631.0
30°	514.0	540.2	588.5	616.3	628.6
32.5°	497.6	527.9	580.3	611.4	625.3
35°	480.4	515.6	571.3	606.5	621.2
37.5°	463.2	500.9	562.3	599.9	616.3
40°	444.4	486.2	551.6	591.7	608.9
42.5°	430.5	470.6	540.2	583.6	601.6
45°	404.3	459.1	527.1	572.9	592.6
47.5°	383.9	437.1	514.0	562.3	582.7
50°	370.8	419.0	498.4	550.0	571.3
52.5°	339.7	406.8	483.7	537.7	560.6
55°	327.4	382.2	467.3	524.6	547.5
57.5°	293.8	365.0	451.0	509.9	533.6
60°	277.5	341.3	433.0	495.2	519.7
62.5°	252.1	320.8	415.0	478.8	504.2
65°	224.3	298.7	395.3	463.2	489.4
67.5°	198.1	276.6	376.5	446.9	474.7
70°	172.7	253.7	356.8	430.5	458.3
72.5°	143.2	230.8	338.0	415.0	442.8
75°	117.9	208.7	320.0	398.6	426.4
77.5°	93.3	187.4	302.8	383.9	411.7
80°	70.4	167.0	285.6	368.3	396.9
82.5°	49.1	149.8	270.1	353.6	381.4
85°	30.3	134.2	255.4	338.0	366.7
87.5°	13.9	120.3	240.6	323.3	352.8
90°	1.6	109.7	228.3	311.0	339.7
92.5°	0.8	106.4	223.4	305.3	333.1
95°	0.0	103.1	221.0	302.0	329.8
97.5°	0.0	99.9	215.3	297.1	325.7
100°	0.0	98.2	211.2	289.7	317.6
102.5°	0.0	95.8	206.2	283.2	311.0
105°	0.0	94.9	201.3	277.5	304.5
107.5°	0.0	93.3	196.4	270.1	297.1
110°	0.0	91.7	192.3	263.5	289.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	90.0	188.2	257.0	282.4
115°	0.0	88.4	183.3	249.6	274.2
117.5°	0.0	85.9	178.4	242.3	266.8
120°	0.0	82.7	173.5	235.7	258.6
122.5°	0.0	79.4	168.6	227.5	249.6
125°	0.0	76.1	162.9	220.2	241.4
127.5°	0.0	71.2	156.3	212.0	231.6
130°	0.0	66.3	148.1	203.8	222.6
132.5°	0.8	61.4	140.0	194.8	213.6
135°	0.0	56.5	131.0	185.8	203.0
137.5°	0.0	52.4	121.1	176.0	192.3
140°	0.0	47.5	111.3	164.5	181.7
142.5°	0.0	41.7	101.5	152.2	170.2
145°	0.0	36.8	91.7	139.1	158.8
147.5°	0.8	32.7	82.7	125.2	146.5
150°	0.8	29.5	73.7	111.3	132.6
152.5°	0.8	26.2	64.7	98.2	118.7
155°	0.8	22.9	56.5	85.1	105.6
157.5°	0.8	19.6	47.5	72.0	91.7
160°	0.8	17.2	39.3	60.6	78.6
162.5°	0.8	14.7	31.9	47.5	64.7
165°	0.8	12.3	25.4	35.2	49.9
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)