

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: P1214053

Luminaire Tested: 2SNLED-LD5-39HL-SLW-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214053
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-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

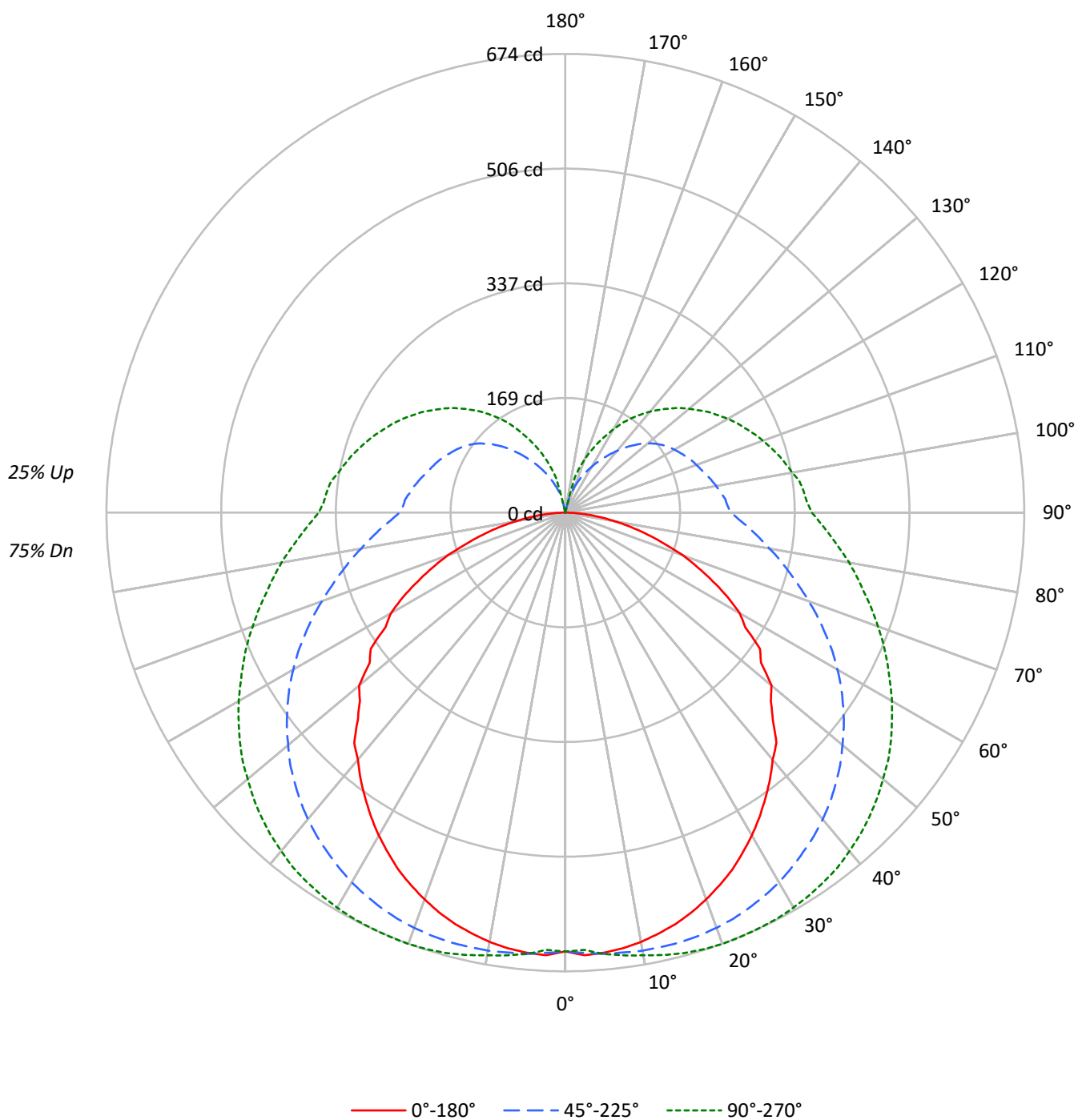
Lumens per Lamp: N/A
Luminaire Lumens: 3713.0 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

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°	10421	10421	10421
5°	10474	10282	10224
10°	10395	10170	10167
15°	10295	10097	10188
20°	10167	10033	10205
25°	10038	9979	10223
30°	9869	9931	10278
35°	9682	9875	10346
40°	9498	9849	10414
45°	9272	9807	10498
50°	9248	9758	10580
55°	9028	9734	10707
60°	8628	9710	10852
65°	8063	9685	11055
70°	7425	9713	11366
75°	6360	9882	11824
80°	5154	10283	12589
85°	3494	11121	13701

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 90°

Luminance: 15590 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	1.7
10°-20°	183.7	4.9
20°-30°	291.9	7.9
30°-40°	374.7	10.1
40°-50°	423.1	11.4
50°-60°	431.7	11.6
60°-70°	400.0	10.8
70°-80°	338.6	9.1
80°-90°	270.3	7.3
90°-100°	229.5	6.2
100°-110°	204.5	5.5
110°-120°	174.2	4.7
120°-130°	138.3	3.7
130°-140°	98.1	2.6
140°-150°	58.6	1.6
150°-160°	27.3	0.7
160°-170°	6.5	0.2
170°-180°	0.0	0.0
0°-30°	537.6	14.5
0°-40°	912.3	24.6
0°-60°	1767.1	47.6
0°-90°	2775.9	74.8
90°-120°	608.2	16.4
90°-150°	903.2	24.3
90°-180°	937.0	25.2
0°-180°	3713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	649	644	651	651	651	62
15°	626	631	654	666	670	176
25°	579	598	640	663	674	267
35°	512	550	609	646	662	321
45°	431	490	562	611	632	335
55°	349	408	498	559	584	306
65°	239	318	421	494	522	237
75°	126	222	341	425	455	134
85°	32	143	272	360	391	35
90°	2	117	243	332	362	3
95°	0	110	236	322	352	0
105°	0	101	215	296	325	0
115°	0	94	195	266	292	0
125°	0	81	174	235	257	0
135°	0	60	140	198	216	0
145°	0	39	98	148	169	0
155°	1	24	60	91	113	0
165°	1	13	27	38	53	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°	644.8	644.8	644.8	644.8	644.8
2.5°	650.9	643.9	647.4	646.5	643.0
5°	649.1	643.9	650.9	650.9	650.9
7.5°	645.6	642.2	651.8	655.2	656.1
10°	640.4	640.4	653.5	658.7	660.5
12.5°	633.4	636.0	653.5	661.4	665.7
15°	625.6	630.8	653.5	665.7	670.1
17.5°	616.0	624.7	651.8	666.6	672.7
20°	604.6	617.7	649.1	666.6	674.4
22.5°	592.4	609.0	645.6	664.8	674.4
25°	579.3	598.5	640.4	663.1	673.6
27.5°	563.6	588.1	634.3	660.5	672.7
30°	547.9	575.8	627.3	657.0	670.1
32.5°	530.5	562.8	618.6	651.8	666.6
35°	512.2	549.7	609.0	646.5	662.2
37.5°	493.8	534.0	599.4	639.5	657.0
40°	473.8	518.3	588.1	630.8	649.1
42.5°	458.9	501.7	575.8	622.1	641.3
45°	431.0	489.5	561.9	610.7	631.7
47.5°	409.2	465.9	547.9	599.4	621.2
50°	395.2	446.7	531.3	586.3	609.0
52.5°	362.1	433.6	515.6	573.2	597.7
55°	349.0	407.5	498.2	559.3	583.7
57.5°	313.2	389.1	480.7	543.6	568.9
60°	295.8	363.8	461.5	527.9	554.0
62.5°	268.7	342.0	442.4	510.4	537.5
65°	239.1	318.5	421.4	493.8	521.8
67.5°	211.1	294.9	401.3	476.4	506.0
70°	184.1	270.5	380.4	458.9	488.6
72.5°	152.7	246.0	360.3	442.4	472.0
75°	125.6	222.5	341.1	424.9	454.6
77.5°	99.5	199.8	322.8	409.2	438.9
80°	75.0	178.0	304.5	392.6	423.2
82.5°	52.3	159.7	287.9	376.9	406.6
85°	32.3	143.1	272.2	360.3	390.9
87.5°	14.8	128.3	256.5	344.6	376.0
90°	1.7	116.9	243.4	331.5	362.1
92.5°	0.9	113.4	238.2	325.4	355.1
95°	0.0	109.9	235.6	322.0	351.6
97.5°	0.0	106.4	229.5	316.7	347.3
100°	0.0	104.7	225.1	308.9	338.5
102.5°	0.0	102.1	219.9	301.9	331.5
105°	0.0	101.2	214.6	295.8	324.6
107.5°	0.0	99.5	209.4	287.9	316.7
110°	0.0	97.7	205.0	280.9	308.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	96.0	200.7	274.0	301.0
115°	0.0	94.2	195.4	266.1	292.3
117.5°	0.0	91.6	190.2	258.3	284.4
120°	0.0	88.1	185.0	251.3	275.7
122.5°	0.0	84.6	179.7	242.6	266.1
125°	0.0	81.1	173.6	234.7	257.4
127.5°	0.0	75.9	166.6	226.0	246.9
130°	0.0	70.7	157.9	217.3	237.3
132.5°	0.9	65.4	149.2	207.7	227.7
135°	0.0	60.2	139.6	198.1	216.4
137.5°	0.0	55.8	129.1	187.6	205.0
140°	0.0	50.6	118.7	175.4	193.7
142.5°	0.0	44.5	108.2	162.3	181.5
145°	0.0	39.3	97.7	148.3	169.3
147.5°	0.9	34.9	88.1	133.5	156.2
150°	0.9	31.4	78.5	118.7	141.3
152.5°	0.9	27.9	68.9	104.7	126.5
155°	0.9	24.4	60.2	90.7	112.6
157.5°	0.9	20.9	50.6	76.8	97.7
160°	0.9	18.3	41.9	64.6	83.8
162.5°	0.9	15.7	34.0	50.6	68.9
165°	0.9	13.1	27.0	37.5	53.2
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)