

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: P1213000

Luminaire Tested: 2SNLED-LD5-39HL-SLW-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213000
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-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

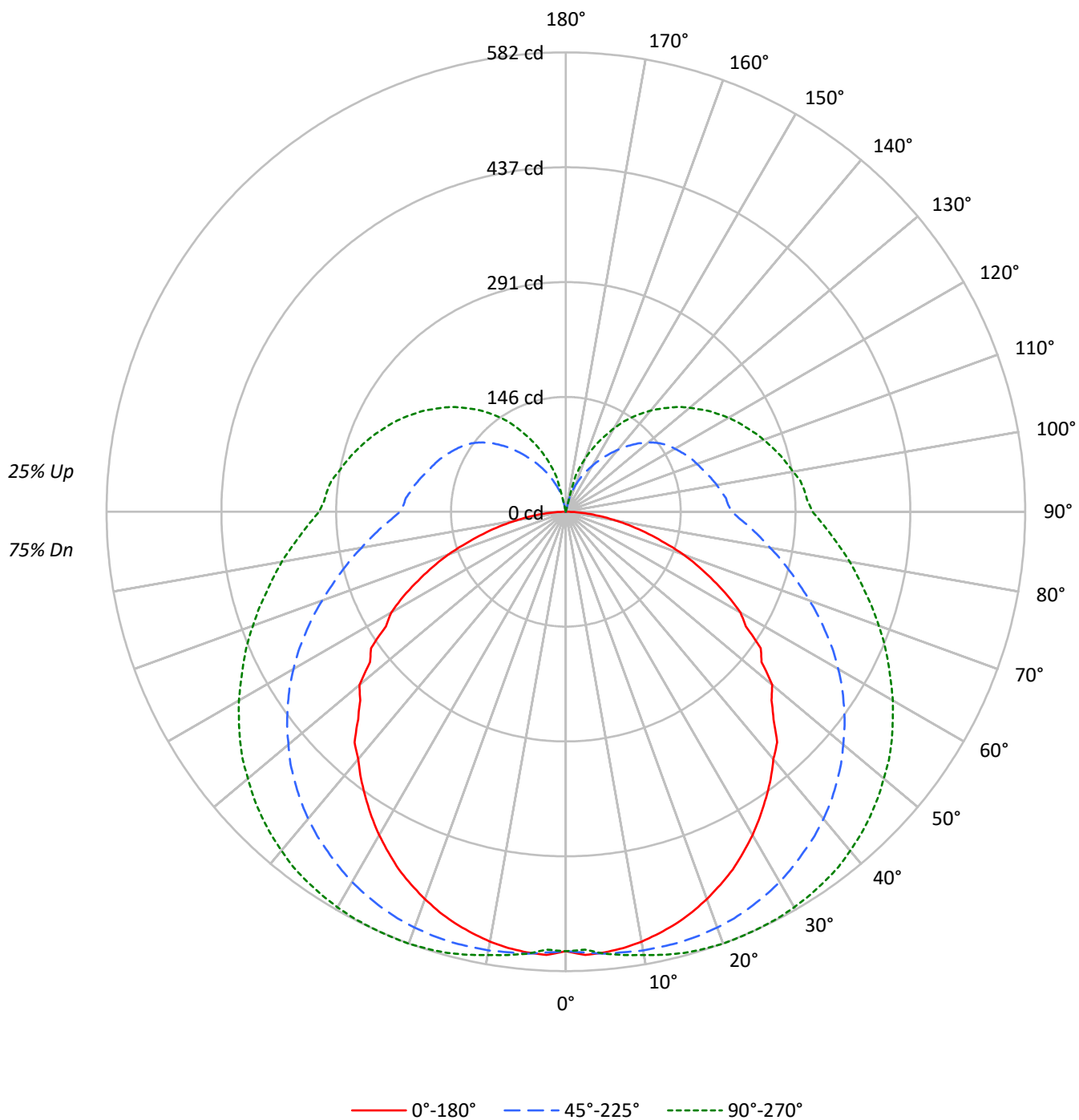
Lumens per Lamp: N/A
Luminaire Lumens: 3206.0 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

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°	8997	8997	8997
5°	9044	8877	8828
10°	8977	8782	8778
15°	8890	8719	8796
20°	8780	8664	8811
25°	8667	8617	8827
30°	8522	8576	8875
35°	8359	8526	8934
40°	8201	8504	8993
45°	8007	8468	9064
50°	7987	8427	9134
55°	7794	8405	9245
60°	7449	8385	9371
65°	6960	8363	9545
70°	6412	8388	9815
75°	5494	8534	10208
80°	4453	8879	10869
85°	3018	9601	11830

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 90°

Luminance: 13459 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	1.7
10°-20°	158.6	4.9
20°-30°	252.1	7.9
30°-40°	323.5	10.1
40°-50°	365.3	11.4
50°-60°	372.8	11.6
60°-70°	345.3	10.8
70°-80°	292.4	9.1
80°-90°	233.4	7.3
90°-100°	198.2	6.2
100°-110°	176.6	5.5
110°-120°	150.4	4.7
120°-130°	119.5	3.7
130°-140°	84.7	2.6
140°-150°	50.6	1.6
150°-160°	23.6	0.7
160°-170°	5.6	0.2
170°-180°	0.0	0.0
0°-30°	464.2	14.5
0°-40°	787.7	24.6
0°-60°	1525.8	47.6
0°-90°	2396.9	74.8
90°-120°	525.1	16.4
90°-150°	779.9	24.3
90°-180°	809.0	25.2
0°-180°	3206.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	557	557	557	557	557	
5°	560	556	562	562	562	53
15°	540	545	564	575	579	152
25°	500	517	553	573	582	230
35°	442	475	526	558	572	277
45°	372	423	485	527	545	289
55°	301	352	430	483	504	265
65°	206	275	364	426	450	205
75°	108	192	295	367	392	116
85°	28	124	235	311	338	30
90°	2	101	210	286	313	2
95°	0	95	203	278	304	0
105°	0	87	185	255	280	0
115°	0	81	169	230	252	0
125°	0	70	150	203	222	0
135°	0	52	120	171	187	0
145°	0	34	84	128	146	0
155°	1	21	52	78	97	0
165°	1	11	23	32	46	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°	556.7	556.7	556.7	556.7	556.7
2.5°	562.0	556.0	559.0	558.2	555.2
5°	560.5	556.0	562.0	562.0	562.0
7.5°	557.5	554.5	562.8	565.8	566.5
10°	553.0	553.0	564.3	568.8	570.3
12.5°	546.9	549.2	564.3	571.0	574.8
15°	540.2	544.7	564.3	574.8	578.6
17.5°	531.9	539.4	562.8	575.6	580.8
20°	522.1	533.4	560.5	575.6	582.3
22.5°	511.5	525.8	557.5	574.1	582.3
25°	500.2	516.8	553.0	572.6	581.6
27.5°	486.7	507.8	547.7	570.3	580.8
30°	473.1	497.2	541.7	567.3	578.6
32.5°	458.0	485.9	534.1	562.8	575.6
35°	442.2	474.6	525.8	558.2	571.8
37.5°	426.4	461.1	517.6	552.2	567.3
40°	409.1	447.5	507.8	544.7	560.5
42.5°	396.3	433.2	497.2	537.1	553.7
45°	372.2	422.6	485.2	527.4	545.4
47.5°	353.3	402.3	473.1	517.6	536.4
50°	341.3	385.7	458.8	506.3	525.8
52.5°	312.6	374.4	445.2	495.0	516.1
55°	301.3	351.8	430.2	482.9	504.0
57.5°	270.5	336.0	415.1	469.3	491.2
60°	255.4	314.2	398.5	455.8	478.4
62.5°	232.0	295.3	382.0	440.7	464.1
65°	206.4	275.0	363.9	426.4	450.5
67.5°	182.3	254.6	346.5	411.3	436.9
70°	159.0	233.5	328.5	396.3	421.9
72.5°	131.8	212.4	311.1	382.0	407.6
75°	108.5	192.1	294.6	366.9	392.5
77.5°	85.9	172.5	278.7	353.3	378.9
80°	64.8	153.7	262.9	339.0	365.4
82.5°	45.2	137.9	248.6	325.5	351.1
85°	27.9	123.6	235.0	311.1	337.5
87.5°	12.8	110.7	221.5	297.6	324.7
90°	1.5	100.9	210.2	286.3	312.6
92.5°	0.8	97.9	205.7	281.0	306.6
95°	0.0	94.9	203.4	278.0	303.6
97.5°	0.0	91.9	198.1	273.5	299.8
100°	0.0	90.4	194.4	266.7	292.3
102.5°	0.0	88.1	189.8	260.7	286.3
105°	0.0	87.4	185.3	255.4	280.2
107.5°	0.0	85.9	180.8	248.6	273.5
110°	0.0	84.4	177.0	242.6	266.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	82.9	173.3	236.6	259.9
115°	0.0	81.4	168.8	229.8	252.4
117.5°	0.0	79.1	164.2	223.0	245.6
120°	0.0	76.1	159.7	217.0	238.1
122.5°	0.0	73.1	155.2	209.4	229.8
125°	0.0	70.1	149.9	202.7	222.2
127.5°	0.0	65.5	143.9	195.1	213.2
130°	0.0	61.0	136.4	187.6	204.9
132.5°	0.8	56.5	128.8	179.3	196.6
135°	0.0	52.0	120.5	171.0	186.8
137.5°	0.0	48.2	111.5	162.0	177.0
140°	0.0	43.7	102.5	151.4	167.2
142.5°	0.0	38.4	93.4	140.1	156.7
145°	0.0	33.9	84.4	128.1	146.2
147.5°	0.8	30.1	76.1	115.3	134.9
150°	0.8	27.1	67.8	102.5	122.0
152.5°	0.8	24.1	59.5	90.4	109.2
155°	0.8	21.1	52.0	78.3	97.2
157.5°	0.8	18.1	43.7	66.3	84.4
160°	0.8	15.8	36.2	55.7	72.3
162.5°	0.8	13.6	29.4	43.7	59.5
165°	0.8	11.3	23.4	32.4	46.0
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)