

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: P284730

Luminaire Tested: **2SNLED-LD5-41HL-SLW-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-41HL-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

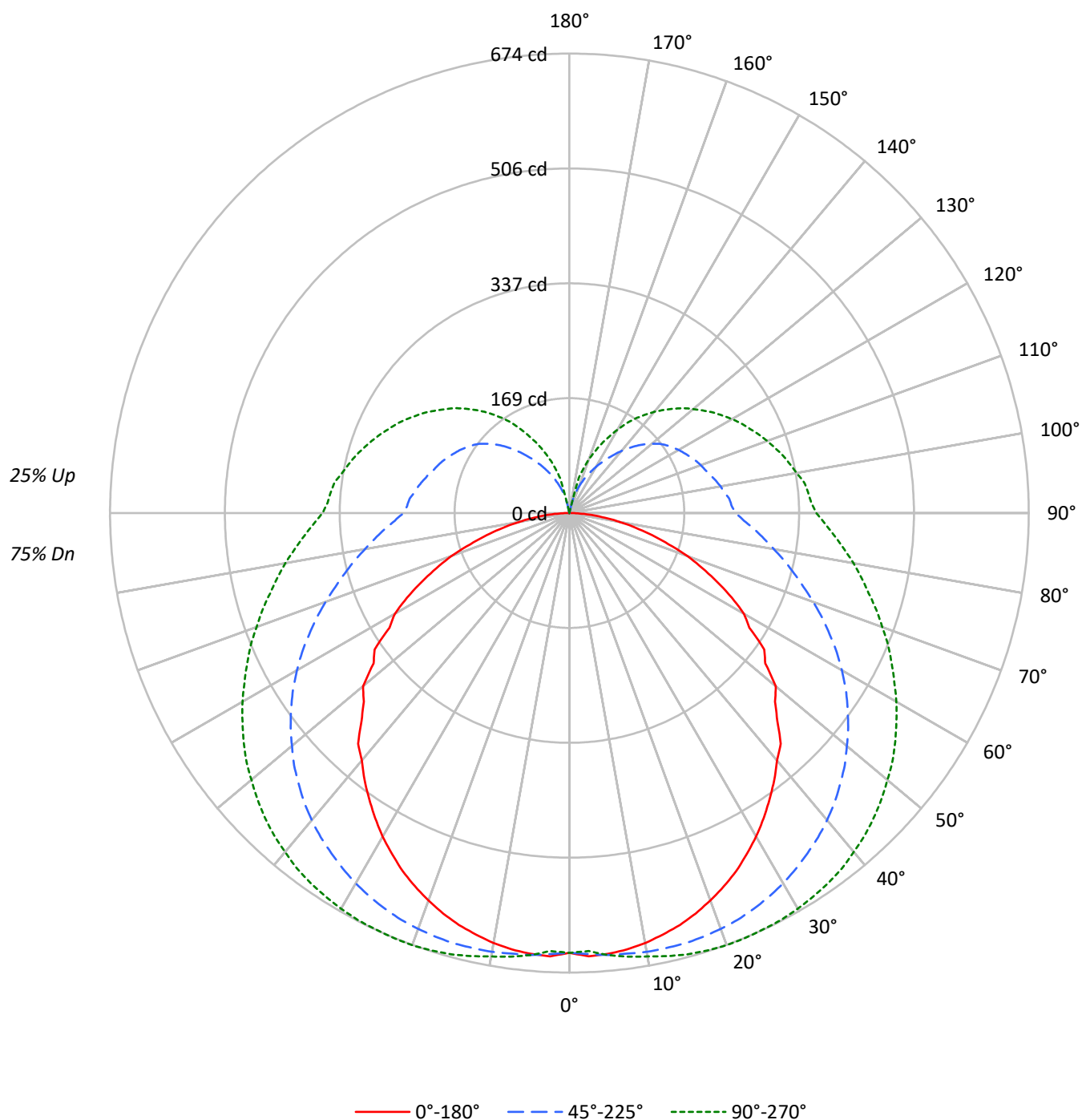
Input Watts (W): 36
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	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	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°	10423	10423	10423
5°	10474	10280	10223
10°	10395	10171	10165
15°	10295	10098	10188
20°	10167	10033	10206
25°	10040	9979	10223
30°	9869	9930	10278
35°	9680	9876	10348
40°	9496	9849	10414
45°	9274	9805	10498
50°	9250	9760	10581
55°	9026	9734	10707
60°	8625	9710	10852
65°	8060	9685	11053
70°	7425	9716	11364
75°	6365	9884	11824
80°	5161	10280	12586
85°	3494	11121	13698



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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°	903.3	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	319	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	112	0
165°	1	13	27	37	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°	644.9	644.9	644.9	644.9	644.9
2.5°	650.8	643.9	647.5	646.5	643.0
5°	649.1	643.9	650.8	650.8	650.8
7.5°	645.6	642.1	651.7	655.2	656.2
10°	640.4	640.4	653.6	658.8	660.4
12.5°	633.3	635.9	653.6	661.4	665.6
15°	625.6	630.8	653.6	665.6	670.1
17.5°	615.9	624.6	651.7	666.5	672.7
20°	604.6	617.8	649.1	666.5	674.5
22.5°	592.4	609.1	645.6	664.9	674.5
25°	579.4	598.5	640.4	663.0	673.6
27.5°	563.7	588.1	634.3	660.4	672.7
30°	547.9	575.9	627.2	656.9	670.1
32.5°	530.5	562.7	618.5	651.7	666.5
35°	512.1	549.8	609.1	646.5	662.3
37.5°	493.7	534.0	599.4	639.5	656.9
40°	473.7	518.2	588.1	630.8	649.1
42.5°	458.9	501.7	575.9	622.0	641.3
45°	431.1	489.5	561.8	610.7	631.7
47.5°	409.2	465.9	547.9	599.4	621.1
50°	395.3	446.6	531.4	586.3	609.1
52.5°	362.1	433.7	515.6	573.3	597.6
55°	348.9	407.6	498.2	559.2	583.7
57.5°	313.1	389.2	480.8	543.6	568.8
60°	295.7	363.8	461.5	527.9	554.0
62.5°	268.6	342.1	442.4	510.4	537.5
65°	239.0	318.6	421.4	493.7	521.7
67.5°	211.2	295.0	401.4	476.3	506.0
70°	184.1	270.5	380.5	458.9	488.5
72.5°	152.6	246.0	360.2	442.4	472.1
75°	125.7	222.5	341.2	425.0	454.6
77.5°	99.4	199.9	322.8	409.2	438.9
80°	75.1	178.0	304.4	392.7	423.1
82.5°	52.3	159.6	287.9	376.9	406.6
85°	32.3	143.1	272.2	360.2	390.8
87.5°	14.8	128.3	256.4	344.7	376.0
90°	1.6	117.0	243.4	331.5	362.1
92.5°	0.9	113.5	238.3	325.4	355.0
95°	0.0	110.0	235.7	321.9	351.5
97.5°	0.0	106.4	229.6	316.7	347.3
100°	0.0	104.8	225.1	308.9	338.6
102.5°	0.0	102.2	219.9	301.8	331.5
105°	0.0	101.2	214.7	295.7	324.7
107.5°	0.0	99.4	209.3	287.9	316.7
110°	0.0	97.7	205.1	280.9	308.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	96.1	200.6	274.1	300.9
115°	0.0	94.2	195.4	266.1	292.2
117.5°	0.0	91.6	190.2	258.3	284.4
120°	0.0	88.1	185.1	251.2	275.7
122.5°	0.0	84.5	179.6	242.5	266.1
125°	0.0	81.2	173.5	234.7	257.3
127.5°	0.0	75.8	166.7	226.0	247.0
130°	0.0	70.6	158.0	217.3	237.3
132.5°	0.9	65.5	149.3	207.7	227.7
135°	0.0	60.3	139.6	198.0	216.4
137.5°	0.0	55.8	129.0	187.6	205.1
140°	0.0	50.6	118.7	175.4	193.8
142.5°	0.0	44.5	108.3	162.2	181.5
145°	0.0	39.3	97.7	148.3	169.3
147.5°	0.9	34.8	88.1	133.5	156.1
150°	0.9	31.3	78.6	118.7	141.3
152.5°	0.9	28.0	69.0	104.8	126.4
155°	0.9	24.5	60.3	90.6	112.5
157.5°	0.9	21.0	50.6	76.8	97.7
160°	0.9	18.4	41.9	64.5	83.8
162.5°	0.9	15.8	34.1	50.6	69.0
165°	0.9	13.2	27.1	37.4	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)