

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: P284613

Luminaire Tested: **2SNLED-LD5-41HL-SLW-UNV-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284613
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-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

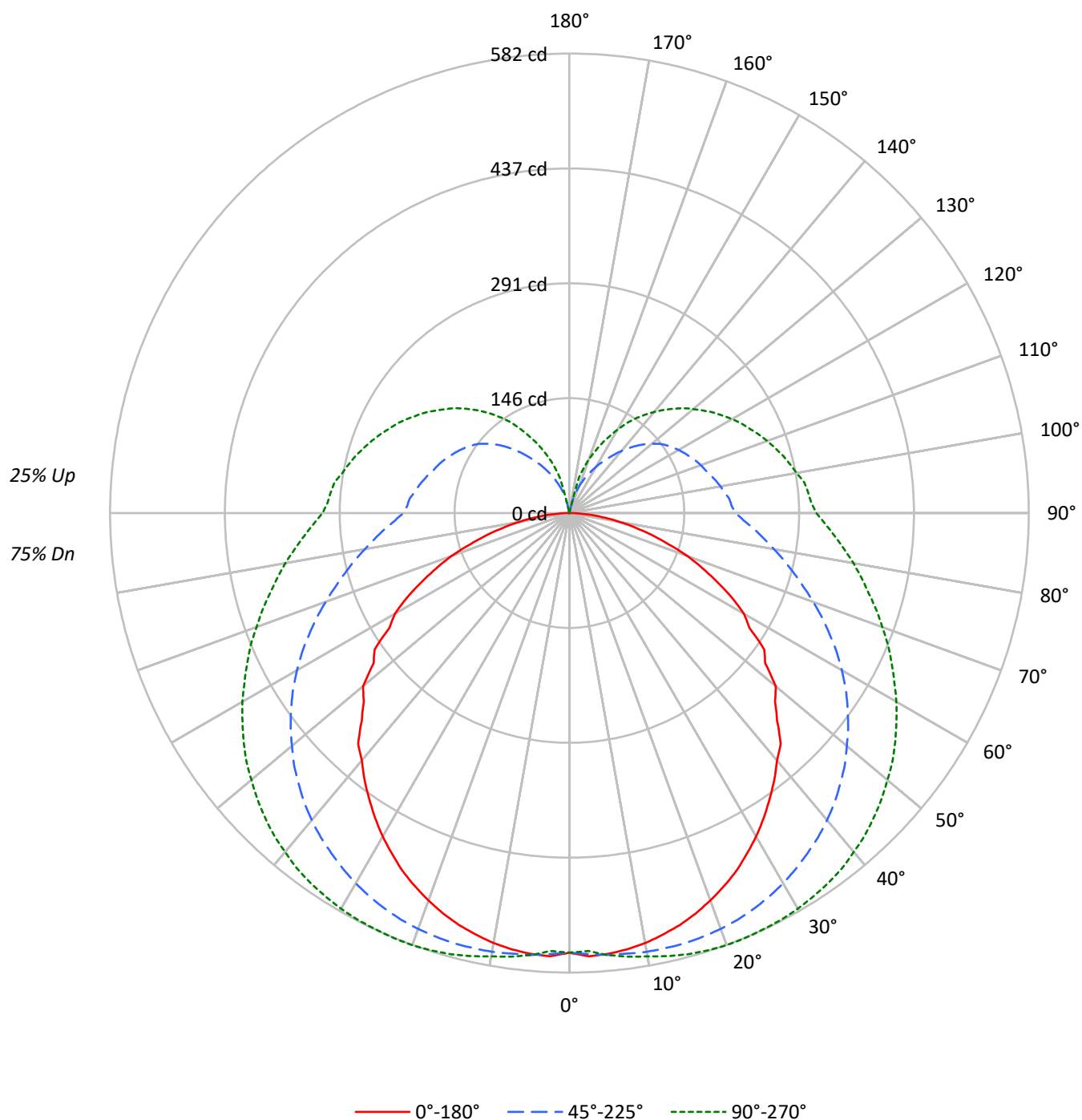
Input Watts (W): 36
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8999	8999	8999
5°	9044	8876	8826
10°	8977	8782	8777
15°	8890	8719	8796
20°	8780	8664	8813
25°	8669	8617	8827
30°	8522	8575	8875
35°	8359	8527	8935
40°	8199	8504	8993
45°	8007	8466	9064
50°	7987	8427	9136
55°	7794	8405	9245
60°	7446	8385	9371
65°	6957	8363	9545
70°	6412	8388	9812
75°	5499	8534	10211
80°	4460	8879	10866
85°	3018	9601	11830



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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°	345.4	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°	119.4	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	572	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°	109	192	295	367	393	115
85°	28	124	235	311	338	30
90°	1	101	210	286	313	2
95°	0	95	204	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	121	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°	556.8	556.8	556.8	556.8	556.8
2.5°	561.9	556.0	559.1	558.2	555.2
5°	560.5	556.0	561.9	561.9	561.9
7.5°	557.4	554.4	562.7	565.8	566.6
10°	553.0	553.0	564.3	568.8	570.2
12.5°	546.9	549.1	564.3	571.1	574.7
15°	540.2	544.6	564.3	574.7	578.6
17.5°	531.8	539.3	562.7	575.5	580.8
20°	522.1	533.4	560.5	575.5	582.4
22.5°	511.5	525.9	557.4	574.1	582.4
25°	500.3	516.8	553.0	572.5	581.6
27.5°	486.7	507.8	547.7	570.2	580.8
30°	473.1	497.3	541.6	567.2	578.6
32.5°	458.0	485.9	534.1	562.7	575.5
35°	442.2	474.7	525.9	558.2	571.9
37.5°	426.3	461.1	517.6	552.1	567.2
40°	409.0	447.4	507.8	544.6	560.5
42.5°	396.2	433.2	497.3	537.1	553.8
45°	372.2	422.6	485.1	527.3	545.4
47.5°	353.3	402.3	473.1	517.6	536.3
50°	341.3	385.6	458.8	506.2	525.9
52.5°	312.7	374.5	445.2	495.0	516.0
55°	301.3	351.9	430.2	482.8	504.0
57.5°	270.4	336.0	415.1	469.4	491.2
60°	255.3	314.1	398.5	455.8	478.4
62.5°	232.0	295.4	382.0	440.7	464.1
65°	206.3	275.1	363.9	426.3	450.5
67.5°	182.4	254.7	346.6	411.3	436.9
70°	159.0	233.6	328.5	396.2	421.8
72.5°	131.7	212.4	311.0	382.0	407.6
75°	108.6	192.1	294.6	366.9	392.6
77.5°	85.8	172.6	278.7	353.3	378.9
80°	64.9	153.7	262.9	339.1	365.3
82.5°	45.1	137.8	248.6	325.5	351.1
85°	27.9	123.6	235.0	311.0	337.5
87.5°	12.8	110.8	221.4	297.6	324.7
90°	1.4	101.0	210.2	286.2	312.7
92.5°	0.8	98.0	205.7	281.0	306.6
95°	0.0	94.9	203.5	277.9	303.5
97.5°	0.0	91.9	198.2	273.4	299.9
100°	0.0	90.5	194.3	266.7	292.3
102.5°	0.0	88.2	189.9	260.6	286.2
105°	0.0	87.4	185.4	255.3	280.3
107.5°	0.0	85.8	180.7	248.6	273.4
110°	0.0	84.4	177.1	242.5	266.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	82.9	173.2	236.6	259.8
115°	0.0	81.3	168.7	229.7	252.3
117.5°	0.0	79.1	164.3	223.0	245.6
120°	0.0	76.0	159.8	216.9	238.1
122.5°	0.0	73.0	155.1	209.4	229.7
125°	0.0	70.1	149.8	202.7	222.2
127.5°	0.0	65.5	143.9	195.2	213.3
130°	0.0	61.0	136.4	187.6	204.9
132.5°	0.8	56.5	128.9	179.3	196.6
135°	0.0	52.0	120.6	171.0	186.8
137.5°	0.0	48.2	111.4	162.0	177.1
140°	0.0	43.7	102.5	151.5	167.3
142.5°	0.0	38.4	93.5	140.1	156.7
145°	0.0	34.0	84.4	128.1	146.2
147.5°	0.8	30.1	76.0	115.3	134.8
150°	0.8	27.0	67.9	102.5	122.0
152.5°	0.8	24.2	59.6	90.5	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	15.9	36.2	55.7	72.4
162.5°	0.8	13.6	29.5	43.7	59.6
165°	0.8	11.4	23.4	32.3	45.9
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)