

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: P284652

Luminaire Tested: **2SNLED-LD5-41HL-SLW-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284652
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-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3403.0 lumens
Efficiency: N/A
Efficacy: 94.5 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

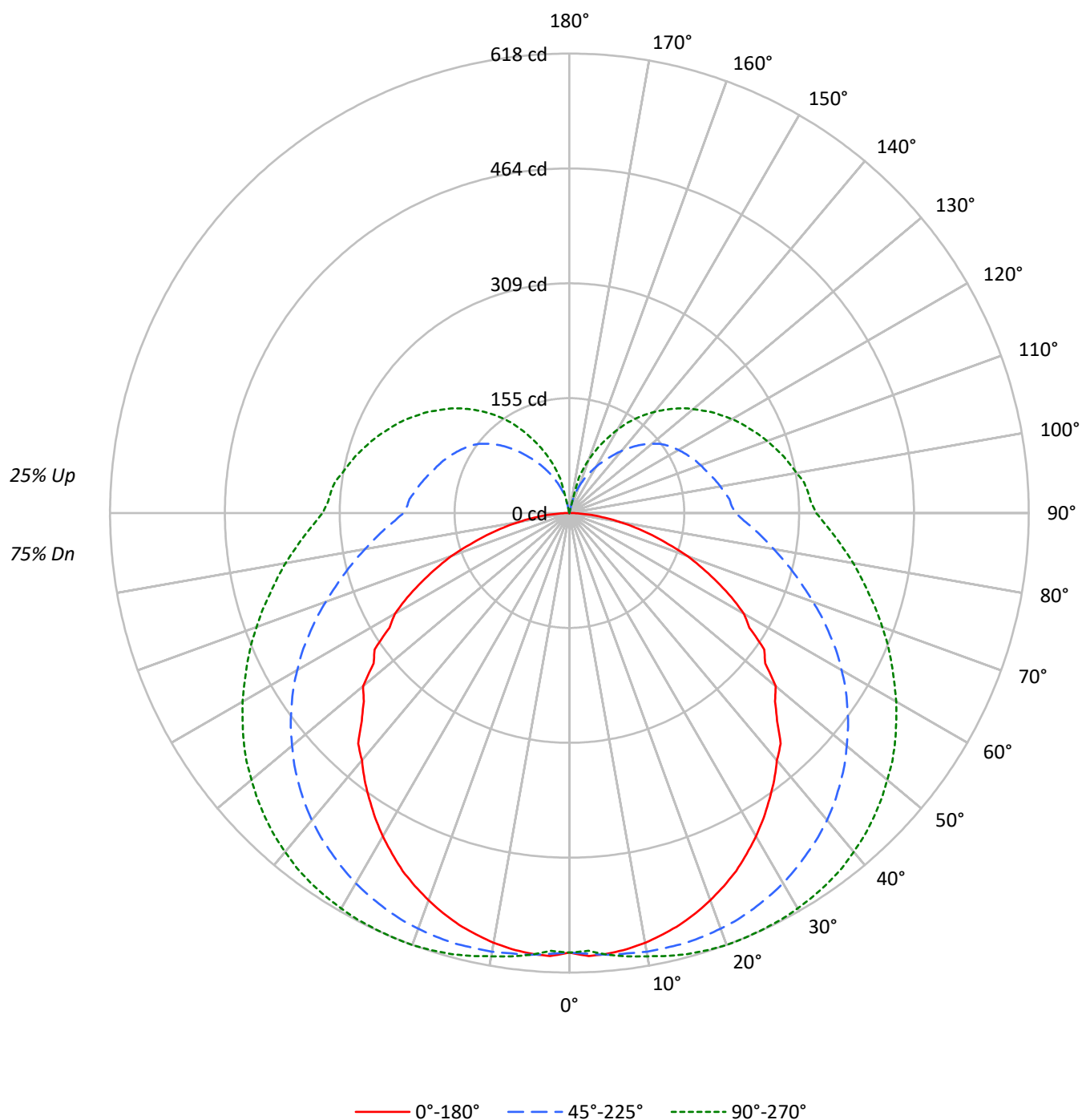
Input Watts (W): 36
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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°	9552	9552	9552
5°	9599	9421	9368
10°	9527	9321	9317
15°	9435	9255	9336
20°	9318	9196	9355
25°	9201	9146	9370
30°	9044	9102	9419
35°	8871	9051	9484
40°	8704	9027	9545
45°	8499	8986	9622
50°	8478	8944	9697
55°	8273	8921	9812
60°	7904	8898	9945
65°	7385	8878	10132
70°	6804	8904	10417
75°	5833	9059	10838
80°	4728	9422	11536
85°	3202	10189	12555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	1.7
10°-20°	168.3	4.9
20°-30°	267.6	7.9
30°-40°	343.4	10.1
40°-50°	387.8	11.4
50°-60°	395.7	11.6
60°-70°	366.6	10.8
70°-80°	310.3	9.1
80°-90°	247.7	7.3
90°-100°	210.4	6.2
100°-110°	187.4	5.5
110°-120°	159.6	4.7
120°-130°	126.8	3.7
130°-140°	90.0	2.6
140°-150°	53.7	1.6
150°-160°	25.0	0.7
160°-170°	6.0	0.2
170°-180°	0.0	0.0
0°-30°	492.7	14.5
0°-40°	836.1	24.6
0°-60°	1619.5	47.6
0°-90°	2544.1	74.8
90°-120°	557.4	16.4
90°-150°	827.8	24.3
90°-180°	859.0	25.2
0°-180°	3403.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	591	591	591	591	591	
5°	595	590	596	596	596	57
15°	573	578	599	610	614	162
25°	531	548	587	608	617	244
35°	469	504	558	592	607	294
45°	395	449	515	560	579	307
55°	320	374	457	512	535	281
65°	219	292	386	452	478	217
75°	115	204	313	390	417	123
85°	30	131	249	330	358	32
90°	2	107	223	304	332	2
95°	0	101	216	295	322	0
105°	0	93	197	271	298	0
115°	0	86	179	244	268	0
125°	0	74	159	215	236	0
135°	0	55	128	182	198	0
145°	0	36	90	136	155	0
155°	1	22	55	83	103	0
165°	1	12	25	34	49	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°	591.0	591.0	591.0	591.0	591.0
2.5°	596.4	590.2	593.4	592.5	589.3
5°	594.9	590.2	596.4	596.4	596.4
7.5°	591.7	588.4	597.3	600.5	601.4
10°	586.9	586.9	599.0	603.8	605.3
12.5°	580.5	582.8	599.0	606.1	610.0
15°	573.3	578.1	599.0	610.0	614.1
17.5°	564.5	572.5	597.3	610.9	616.5
20°	554.1	566.2	594.9	610.9	618.2
22.5°	542.9	558.2	591.7	609.4	618.2
25°	531.0	548.5	586.9	607.7	617.4
27.5°	516.6	539.0	581.3	605.3	616.5
30°	502.1	527.8	574.9	602.0	614.1
32.5°	486.2	515.7	566.9	597.3	610.9
35°	469.3	503.9	558.2	592.5	607.0
37.5°	452.5	489.4	549.4	586.1	602.0
40°	434.2	474.9	539.0	578.1	594.9
42.5°	420.6	459.8	527.8	570.1	587.8
45°	395.1	448.6	514.9	559.7	579.0
47.5°	375.0	427.0	502.1	549.4	569.2
50°	362.3	409.3	487.0	537.3	558.2
52.5°	331.9	397.5	472.6	525.4	547.7
55°	319.8	373.5	456.6	512.5	534.9
57.5°	287.0	356.7	440.6	498.2	521.3
60°	271.0	333.4	422.9	483.8	507.7
62.5°	246.2	313.5	405.5	467.8	492.6
65°	219.0	292.0	386.3	452.5	478.2
67.5°	193.6	270.4	367.9	436.5	463.7
70°	168.7	247.9	348.7	420.6	447.8
72.5°	139.8	225.5	330.2	405.5	432.7
75°	115.2	203.9	312.7	389.5	416.7
77.5°	91.1	183.2	295.8	375.0	402.2
80°	68.8	163.1	279.0	359.9	387.8
82.5°	47.9	146.3	263.9	345.5	372.7
85°	29.6	131.2	249.4	330.2	358.2
87.5°	13.6	117.6	235.0	315.9	344.6
90°	1.5	107.2	223.1	303.8	331.9
92.5°	0.9	104.0	218.4	298.2	325.4
95°	0.0	100.8	216.0	295.0	322.2
97.5°	0.0	97.5	210.4	290.2	318.3
100°	0.0	96.0	206.3	283.1	310.3
102.5°	0.0	93.7	201.5	276.6	303.8
105°	0.0	92.8	196.8	271.0	297.6
107.5°	0.0	91.1	191.8	263.9	290.2
110°	0.0	89.6	187.9	257.4	283.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	88.0	183.8	251.2	275.8
115°	0.0	86.3	179.1	243.8	267.8
117.5°	0.0	83.9	174.4	236.7	260.7
120°	0.0	80.7	169.6	230.2	252.7
122.5°	0.0	77.5	164.6	222.3	243.8
125°	0.0	74.4	159.0	215.1	235.9
127.5°	0.0	69.5	152.8	207.2	226.4
130°	0.0	64.7	144.8	199.2	217.5
132.5°	0.9	60.0	136.8	190.3	208.7
135°	0.0	55.2	128.0	181.5	198.3
137.5°	0.0	51.1	118.3	172.0	187.9
140°	0.0	46.4	108.8	160.8	177.6
142.5°	0.0	40.8	99.3	148.7	166.4
145°	0.0	36.0	89.6	135.9	155.1
147.5°	0.9	31.9	80.7	122.4	143.1
150°	0.9	28.7	72.1	108.8	129.5
152.5°	0.9	25.7	63.2	96.0	115.9
155°	0.9	22.4	55.2	83.1	103.1
157.5°	0.9	19.2	46.4	70.3	89.6
160°	0.9	16.8	38.4	59.1	76.8
162.5°	0.9	14.5	31.3	46.4	63.2
165°	0.9	12.1	24.8	34.3	48.8
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)