

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: P284505

Luminaire Tested: **4SNLED-LD5-41SL-SLW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284505
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: 4SNLED-LD5-41SL-SLW-UNV-L835-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4134.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

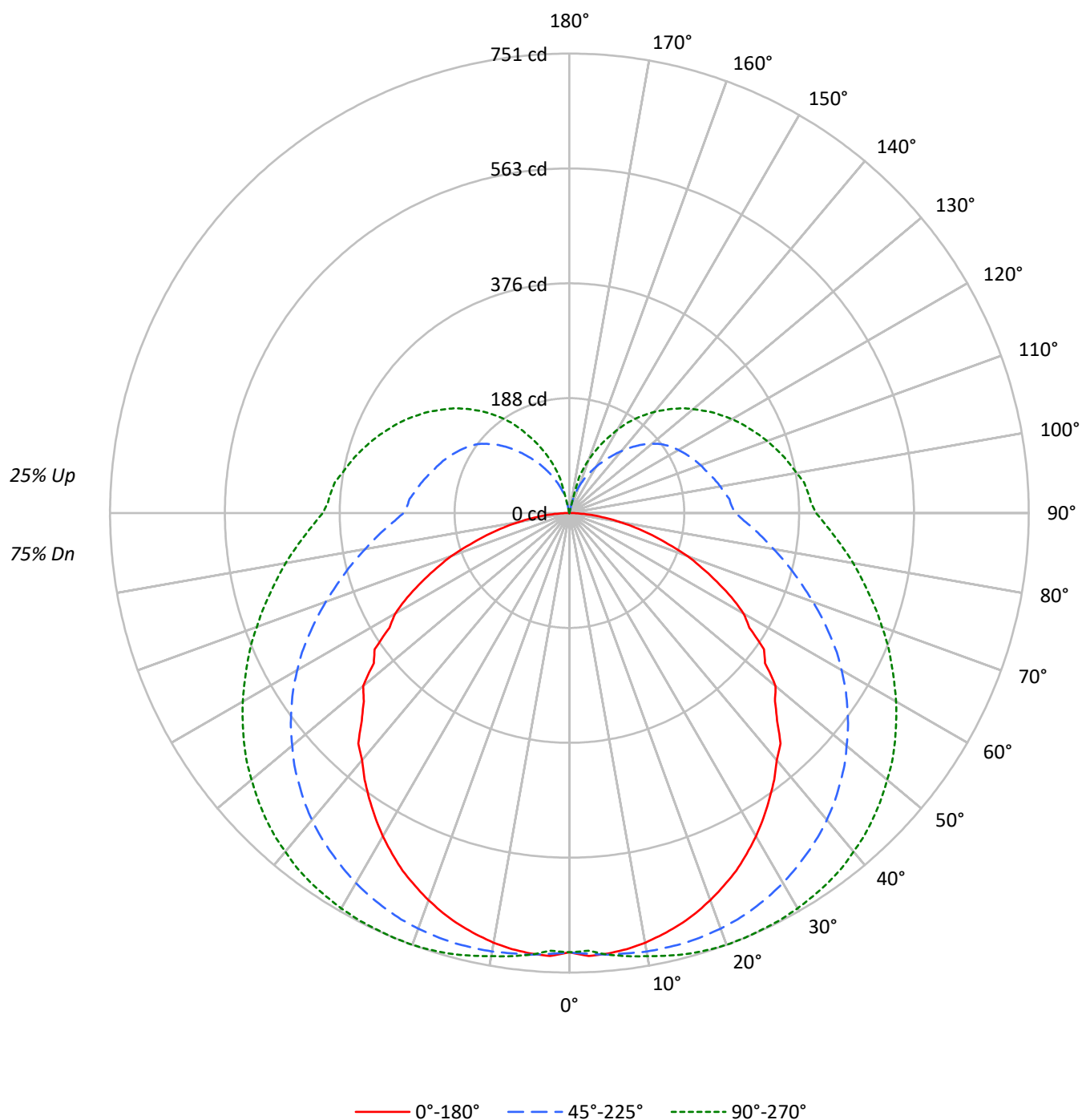
Input Watts (W): 38
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	5802	5802	5802
5°	5846	5734	5691
10°	5819	5683	5659
15°	5779	5653	5671
20°	5724	5626	5682
25°	5669	5606	5691
30°	5591	5588	5721
35°	5505	5569	5760
40°	5421	5565	5798
45°	5319	5552	5844
50°	5334	5539	5891
55°	5240	5540	5960
60°	5047	5543	6041
65°	4769	5550	6154
70°	4461	5591	6326
75°	3915	5720	6583
80°	3305	5995	7007
85°	2453	6554	7627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	1.7
10°-20°	204.5	4.9
20°-30°	325.0	7.9
30°-40°	417.2	10.1
40°-50°	471.1	11.4
50°-60°	480.7	11.6
60°-70°	445.3	10.8
70°-80°	377.0	9.1
80°-90°	300.9	7.3
90°-100°	255.6	6.2
100°-110°	227.7	5.5
110°-120°	193.9	4.7
120°-130°	154.0	3.7
130°-140°	109.3	2.6
140°-150°	65.2	1.6
150°-160°	30.4	0.7
160°-170°	7.2	0.2
170°-180°	0.0	0.0
0°-30°	598.5	14.5
0°-40°	1015.7	24.6
0°-60°	1967.4	47.6
0°-90°	3090.7	74.8
90°-120°	677.1	16.4
90°-150°	1005.7	24.3
90°-180°	1043.0	25.2
0°-180°	4134.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	723	717	725	725	725	69
15°	696	702	728	741	746	196
25°	645	666	713	738	750	297
35°	570	612	678	720	737	357
45°	480	545	626	680	703	373
55°	388	454	555	623	650	341
65°	266	355	469	550	581	264
75°	140	248	380	473	506	149
85°	36	159	303	401	435	39
90°	2	130	271	369	403	3
95°	0	122	262	358	391	0
105°	0	113	239	329	362	0
115°	0	105	218	296	325	0
125°	0	90	193	261	286	0
135°	0	67	155	220	241	0
145°	0	44	109	165	188	0
155°	1	27	67	101	125	0
165°	1	15	30	42	59	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°	718.0	718.0	718.0	718.0	718.0
2.5°	724.6	716.9	720.9	719.8	715.9
5°	722.7	716.9	724.6	724.6	724.6
7.5°	718.8	714.9	725.6	729.5	730.6
10°	713.0	713.0	727.7	733.5	735.3
12.5°	705.2	708.0	727.7	736.3	741.1
15°	696.5	702.3	727.7	741.1	746.0
17.5°	685.8	695.5	725.6	742.1	748.9
20°	673.2	687.9	722.7	742.1	751.0
22.5°	659.5	678.2	718.8	740.3	751.0
25°	645.1	666.4	713.0	738.2	750.0
27.5°	627.6	654.8	706.2	735.3	748.9
30°	610.0	641.2	698.3	731.4	746.0
32.5°	590.6	626.5	688.6	725.6	742.1
35°	570.2	612.1	678.2	719.8	737.4
37.5°	549.7	594.5	667.4	712.0	731.4
40°	527.4	577.0	654.8	702.3	722.7
42.5°	510.9	558.6	641.2	692.6	714.1
45°	480.0	545.0	625.5	680.0	703.3
47.5°	455.6	518.8	610.0	667.4	691.5
50°	440.1	497.3	591.6	652.7	678.2
52.5°	403.2	482.9	574.1	638.3	665.3
55°	388.5	453.8	554.7	622.6	649.8
57.5°	348.6	433.3	535.3	605.3	633.3
60°	329.2	405.0	513.8	587.7	616.8
62.5°	299.1	380.9	492.6	568.3	598.5
65°	266.1	354.7	469.2	549.7	580.9
67.5°	235.1	328.5	446.9	530.3	563.3
70°	205.0	301.2	423.6	510.9	543.9
72.5°	169.9	273.9	401.1	492.6	525.6
75°	140.0	247.7	379.8	473.2	506.2
77.5°	110.6	222.6	359.4	455.6	488.6
80°	83.6	198.2	338.9	437.2	471.1
82.5°	58.2	177.7	320.6	419.7	452.7
85°	35.9	159.4	303.0	401.1	435.2
87.5°	16.5	142.9	285.5	383.8	418.6
90°	1.8	130.3	271.1	369.1	403.2
92.5°	1.0	126.4	265.3	362.3	395.3
95°	0.0	122.4	262.4	358.3	391.4
97.5°	0.0	118.5	255.6	352.6	386.7
100°	0.0	116.7	250.6	343.9	377.0
102.5°	0.0	113.8	244.8	336.1	369.1
105°	0.0	112.7	239.1	329.2	361.5
107.5°	0.0	110.6	233.0	320.6	352.6
110°	0.0	108.8	228.3	312.7	343.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	107.0	223.3	305.1	335.0
115°	0.0	104.9	217.6	296.2	325.3
117.5°	0.0	102.0	211.8	287.6	316.7
120°	0.0	98.0	206.0	279.7	307.0
122.5°	0.0	94.1	200.0	270.0	296.2
125°	0.0	90.4	193.2	261.4	286.5
127.5°	0.0	84.4	185.6	251.7	275.0
130°	0.0	78.6	175.9	242.0	264.2
132.5°	1.0	72.9	166.2	231.2	253.5
135°	0.0	67.1	155.4	220.5	240.9
137.5°	0.0	62.1	143.7	208.9	228.3
140°	0.0	56.4	132.1	195.3	215.7
142.5°	0.0	49.5	120.6	180.6	202.1
145°	0.0	43.8	108.8	165.1	188.5
147.5°	1.0	38.8	98.0	148.6	173.8
150°	1.0	34.9	87.6	132.1	157.3
152.5°	1.0	31.2	76.8	116.7	140.8
155°	1.0	27.3	67.1	100.9	125.3
157.5°	1.0	23.3	56.4	85.5	108.8
160°	1.0	20.4	46.7	71.8	93.3
162.5°	1.0	17.6	38.0	56.4	76.8
165°	1.0	14.7	30.1	41.7	59.2
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)