

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: P284661

Luminaire Tested: **4SNLED-LD5-41SL-SLW-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284661
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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3472.1 lumens
Efficiency: N/A
Efficacy: 91.4 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

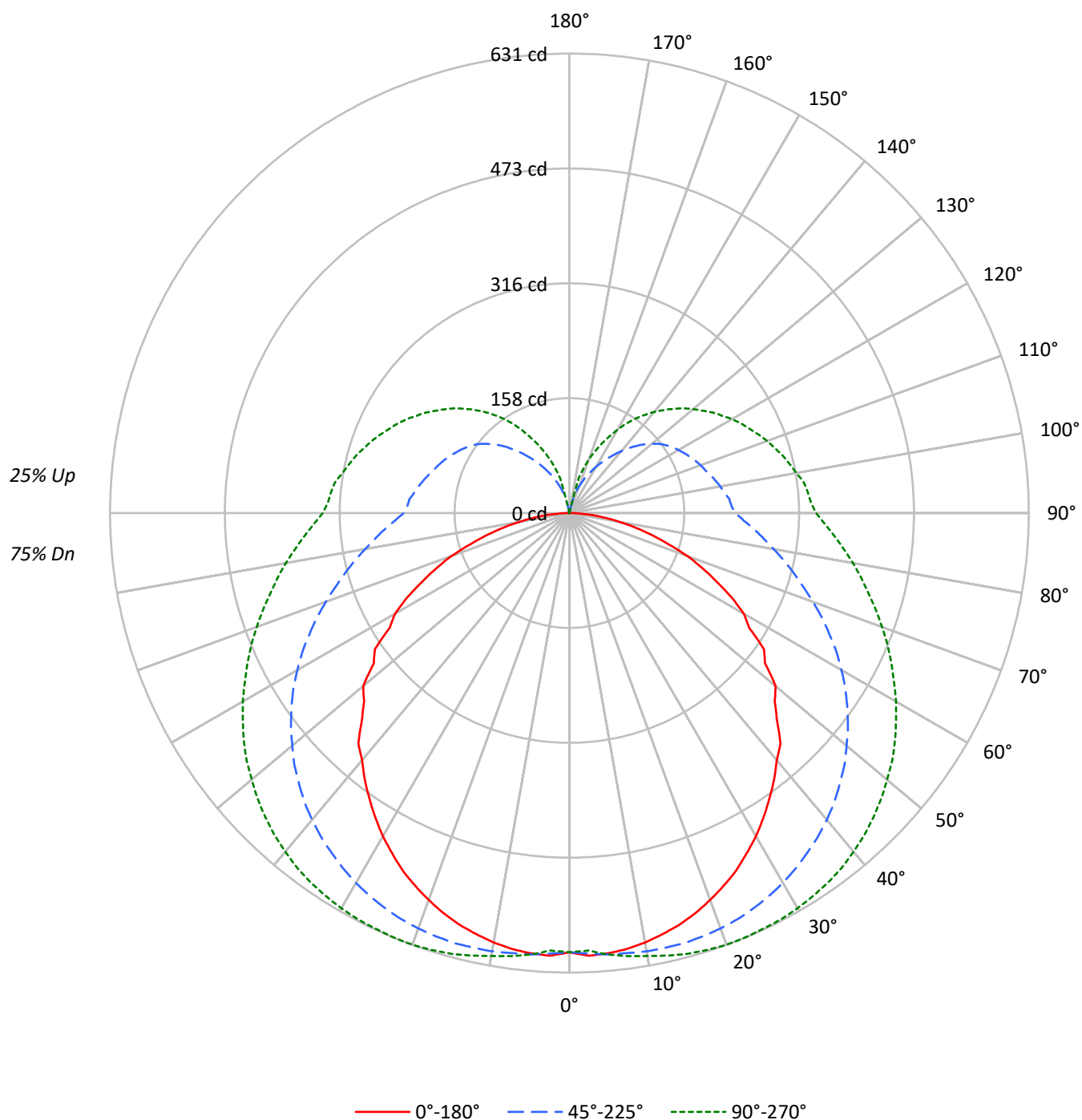
Input Watts (W): 38
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	0
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°	4873	4873	4873
5°	4910	4815	4779
10°	4887	4773	4753
15°	4854	4748	4763
20°	4808	4725	4773
25°	4762	4708	4780
30°	4696	4694	4805
35°	4623	4677	4838
40°	4554	4674	4869
45°	4467	4663	4908
50°	4481	4653	4948
55°	4401	4653	5006
60°	4239	4655	5073
65°	4005	4661	5169
70°	3747	4696	5313
75°	3288	4804	5528
80°	2775	5036	5884
85°	2063	5505	6406



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.7
10°-20°	171.8	4.9
20°-30°	273.0	7.9
30°-40°	350.4	10.1
40°-50°	395.6	11.4
50°-60°	403.7	11.6
60°-70°	374.0	10.8
70°-80°	316.6	9.1
80°-90°	252.8	7.3
90°-100°	214.6	6.2
100°-110°	191.2	5.5
110°-120°	162.9	4.7
120°-130°	129.4	3.7
130°-140°	91.8	2.6
140°-150°	54.8	1.6
150°-160°	25.6	0.7
160°-170°	6.1	0.2
170°-180°	0.0	0.0
0°-30°	502.7	14.5
0°-40°	853.1	24.6
0°-60°	1652.4	47.6
0°-90°	2595.8	74.8
90°-120°	568.7	16.4
90°-150°	844.6	24.3
90°-180°	876.0	25.2
0°-180°	3472.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	603	603	603	603	603	
5°	607	602	608	608	608	58
15°	585	590	611	622	627	165
25°	542	560	599	620	630	249
35°	479	514	570	605	619	300
45°	403	458	525	571	591	313
55°	326	381	466	523	546	286
65°	224	298	394	462	488	222
75°	118	208	319	397	425	125
85°	30	134	254	337	366	33
90°	2	109	228	310	339	2
95°	0	103	220	301	329	0
105°	0	95	201	276	304	0
115°	0	88	183	249	273	0
125°	0	76	162	220	241	0
135°	0	56	131	185	202	0
145°	0	37	91	139	158	0
155°	1	23	56	85	105	0
165°	1	12	25	35	50	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°	603.0	603.0	603.0	603.0	603.0
2.5°	608.5	602.1	605.4	604.6	601.3
5°	607.0	602.1	608.5	608.5	608.5
7.5°	603.7	600.4	609.4	612.7	613.6
10°	598.8	598.8	611.2	616.0	617.6
12.5°	592.2	594.7	611.2	618.4	622.4
15°	585.0	589.8	611.2	622.4	626.6
17.5°	575.9	584.1	609.4	623.3	629.0
20°	565.4	577.7	607.0	623.3	630.8
22.5°	553.9	569.6	603.7	621.7	630.8
25°	541.8	559.6	598.8	620.0	629.9
27.5°	527.1	550.0	593.1	617.6	629.0
30°	512.3	538.5	586.5	614.2	626.6
32.5°	496.0	526.2	578.4	609.4	623.3
35°	478.9	514.1	569.6	604.6	619.3
37.5°	461.7	499.3	560.5	598.0	614.2
40°	443.0	484.6	550.0	589.8	607.0
42.5°	429.1	469.2	538.5	581.7	599.7
45°	403.1	457.7	525.3	571.1	590.7
47.5°	382.6	435.7	512.3	560.5	580.8
50°	369.7	417.6	496.9	548.2	569.6
52.5°	338.6	405.5	482.2	536.1	558.8
55°	326.3	381.1	465.9	522.9	545.8
57.5°	292.8	363.9	449.6	508.4	531.9
60°	276.5	340.1	431.5	493.6	518.0
62.5°	251.2	319.9	413.7	477.3	502.6
65°	223.5	297.9	394.1	461.7	487.9
67.5°	197.5	275.9	375.4	445.4	473.1
70°	172.2	253.0	355.8	429.1	456.8
72.5°	142.7	230.1	336.8	413.7	441.4
75°	117.6	208.1	319.0	397.4	425.1
77.5°	92.9	186.9	301.8	382.6	410.4
80°	70.2	166.4	284.7	367.2	395.6
82.5°	48.9	149.3	269.3	352.5	380.2
85°	30.2	133.9	254.5	336.8	365.5
87.5°	13.9	120.0	239.8	322.3	351.6
90°	1.5	109.4	227.6	310.0	338.6
92.5°	0.9	106.1	222.8	304.3	332.0
95°	0.0	102.8	220.4	301.0	328.7
97.5°	0.0	99.5	214.7	296.1	324.7
100°	0.0	98.0	210.5	288.9	316.6
102.5°	0.0	95.5	205.6	282.2	310.0
105°	0.0	94.7	200.8	276.5	303.6
107.5°	0.0	92.9	195.7	269.3	296.1
110°	0.0	91.4	191.8	262.7	288.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	89.8	187.6	256.3	281.4
115°	0.0	88.1	182.7	248.8	273.2
117.5°	0.0	85.6	177.9	241.5	266.0
120°	0.0	82.3	173.0	234.9	257.8
122.5°	0.0	79.0	168.0	226.8	248.8
125°	0.0	76.0	162.3	219.5	240.6
127.5°	0.0	70.9	155.9	211.4	230.9
130°	0.0	66.0	147.7	203.2	221.9
132.5°	0.9	61.2	139.6	194.2	212.9
135°	0.0	56.4	130.6	185.2	202.3
137.5°	0.0	52.2	120.6	175.5	191.8
140°	0.0	47.3	111.0	164.0	181.2
142.5°	0.0	41.6	101.3	151.7	169.7
145°	0.0	36.8	91.4	138.7	158.3
147.5°	0.9	32.6	82.3	124.8	146.0
150°	0.9	29.3	73.5	111.0	132.1
152.5°	0.9	26.2	64.5	98.0	118.2
155°	0.9	22.9	56.4	84.8	105.2
157.5°	0.9	19.6	47.3	71.8	91.4
160°	0.9	17.2	39.2	60.3	78.4
162.5°	0.9	14.8	31.9	47.3	64.5
165°	0.9	12.3	25.3	35.0	49.8
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)