

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: P#

Luminaire Tested: **4SNLED-LD5-44SL-SLW-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-44SL-SLW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

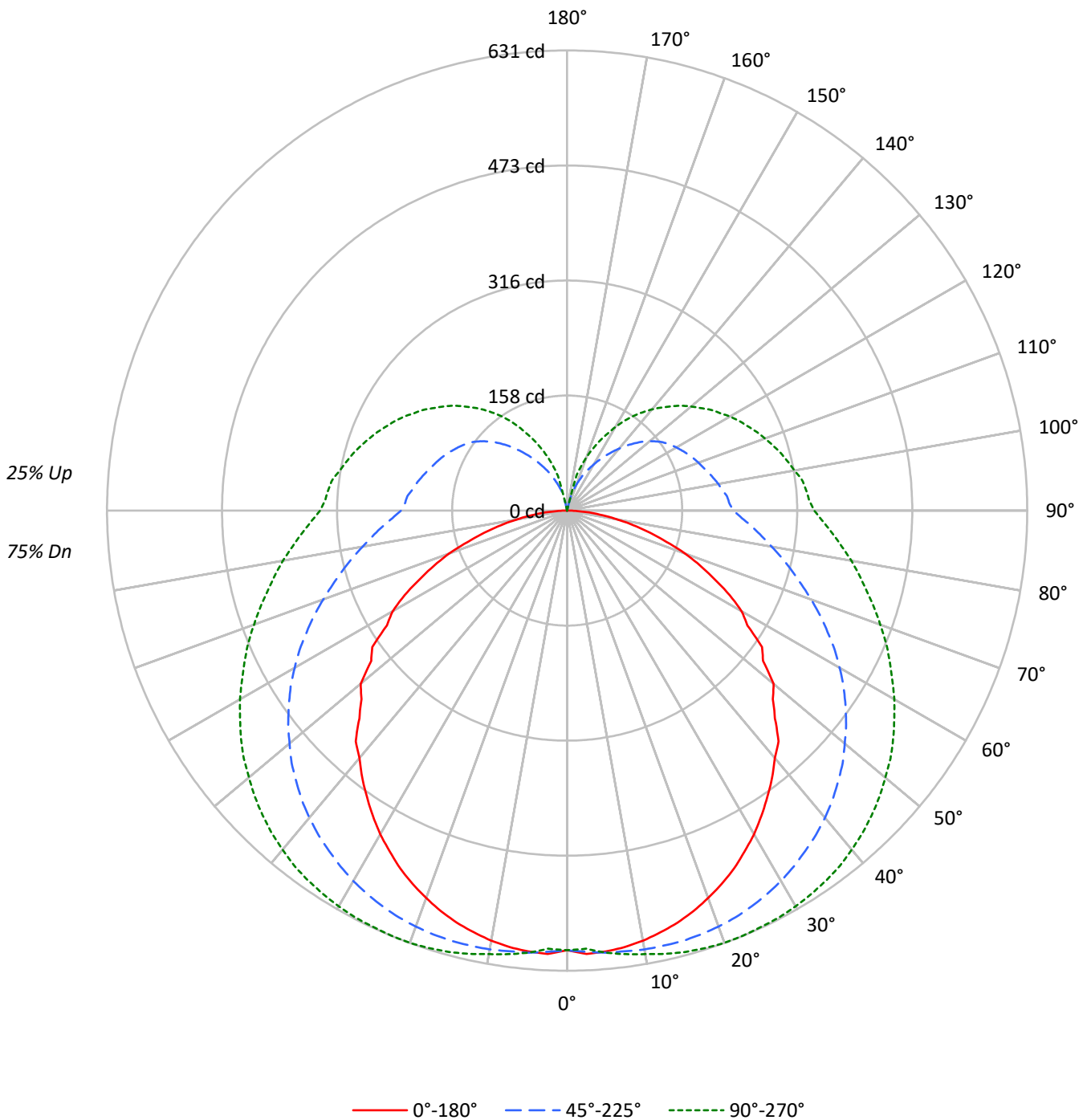
Lumens per Lamp: N/A
Luminaire Lumens: 3472.0 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

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					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75				75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56				56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44				44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36				36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30				30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25				25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22				22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19				19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17				17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15				15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4872	4872	4872
5°	4910	4816	4780
10°	4887	4773	4753
15°	4854	4747	4763
20°	4808	4725	4772
25°	4761	4708	4779
30°	4697	4694	4805
35°	4623	4677	4837
40°	4554	4673	4869
45°	4466	4664	4908
50°	4480	4653	4947
55°	4401	4653	5006
60°	4241	4657	5074
65°	4005	4661	5169
70°	3745	4695	5314
75°	3285	4804	5528
80°	2775	5036	5885
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°	25.5	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°	3472.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	603	603	603	603	603	
5°	607	602	609	609	609	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	287
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	277	304	0
115°	0	88	183	249	273	0
125°	0	76	162	220	241	0
135°	0	56	130	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°	602.9	602.9	602.9	602.9	602.9
2.5°	608.6	602.1	605.4	604.6	601.3
5°	607.0	602.1	608.6	608.6	608.6
7.5°	603.7	600.5	609.4	612.7	613.5
10°	598.8	598.8	611.1	616.0	617.6
12.5°	592.3	594.8	611.1	618.4	622.5
15°	585.0	589.9	611.1	622.5	626.6
17.5°	576.0	584.2	609.4	623.3	629.0
20°	565.4	577.6	607.0	623.3	630.7
22.5°	554.0	569.5	603.7	621.7	630.7
25°	541.7	559.7	598.8	620.1	629.8
27.5°	527.0	549.9	593.1	617.6	629.0
30°	512.4	538.5	586.6	614.3	626.6
32.5°	496.0	526.2	578.4	609.4	623.3
35°	478.9	514.0	569.5	604.6	619.2
37.5°	461.8	499.3	560.5	598.0	614.3
40°	443.0	484.6	549.9	589.9	607.0
42.5°	429.1	469.1	538.5	581.7	599.7
45°	403.0	457.7	525.4	571.1	590.7
47.5°	382.6	435.7	512.4	560.5	580.9
50°	369.6	417.7	496.9	548.3	569.5
52.5°	338.6	405.5	482.2	536.0	558.9
55°	326.3	381.0	465.9	523.0	545.8
57.5°	292.9	363.9	449.5	508.3	531.9
60°	276.6	340.2	431.6	493.6	518.1
62.5°	251.3	319.8	413.6	477.3	502.6
65°	223.5	297.8	394.1	461.8	487.9
67.5°	197.4	275.8	375.3	445.5	473.2
70°	172.1	252.9	355.7	429.1	456.9
72.5°	142.8	230.1	337.0	413.6	441.4
75°	117.5	208.0	319.0	397.3	425.1
77.5°	93.0	186.8	301.9	382.6	410.4
80°	70.2	166.4	284.7	367.1	395.7
82.5°	49.0	149.3	269.2	352.5	380.2
85°	30.2	133.8	254.5	337.0	365.5
87.5°	13.9	119.9	239.9	322.3	351.6
90°	1.6	109.3	227.6	310.0	338.6
92.5°	0.8	106.1	222.7	304.3	332.1
95°	0.0	102.8	220.3	301.1	328.8
97.5°	0.0	99.5	214.6	296.2	324.7
100°	0.0	97.9	210.5	288.8	316.6
102.5°	0.0	95.5	205.6	282.3	310.0
105°	0.0	94.6	200.7	276.6	303.5
107.5°	0.0	93.0	195.8	269.2	296.2
110°	0.0	91.4	191.7	262.7	288.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	89.7	187.6	256.2	281.5
115°	0.0	88.1	182.8	248.8	273.3
117.5°	0.0	85.7	177.9	241.5	266.0
120°	0.0	82.4	173.0	235.0	257.8
122.5°	0.0	79.1	168.1	226.8	248.8
125°	0.0	75.9	162.4	219.5	240.7
127.5°	0.0	71.0	155.8	211.3	230.9
130°	0.0	66.1	147.7	203.1	221.9
132.5°	0.8	61.2	139.5	194.2	212.9
135°	0.0	56.3	130.5	185.2	202.3
137.5°	0.0	52.2	120.7	175.4	191.7
140°	0.0	47.3	111.0	164.0	181.1
142.5°	0.0	41.6	101.2	151.8	169.7
145°	0.0	36.7	91.4	138.7	158.3
147.5°	0.8	32.6	82.4	124.8	146.0
150°	0.8	29.4	73.4	111.0	132.2
152.5°	0.8	26.1	64.5	97.9	118.3
155°	0.8	22.8	56.3	84.8	105.2
157.5°	0.8	19.6	47.3	71.8	91.4
160°	0.8	17.1	39.2	60.4	78.3
162.5°	0.8	14.7	31.8	47.3	64.5
165°	0.8	12.2	25.3	35.1	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)