

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-LD5-44HL-SLW-UNV-L930-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-LD5-44HL-SLW-UNV-L930-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

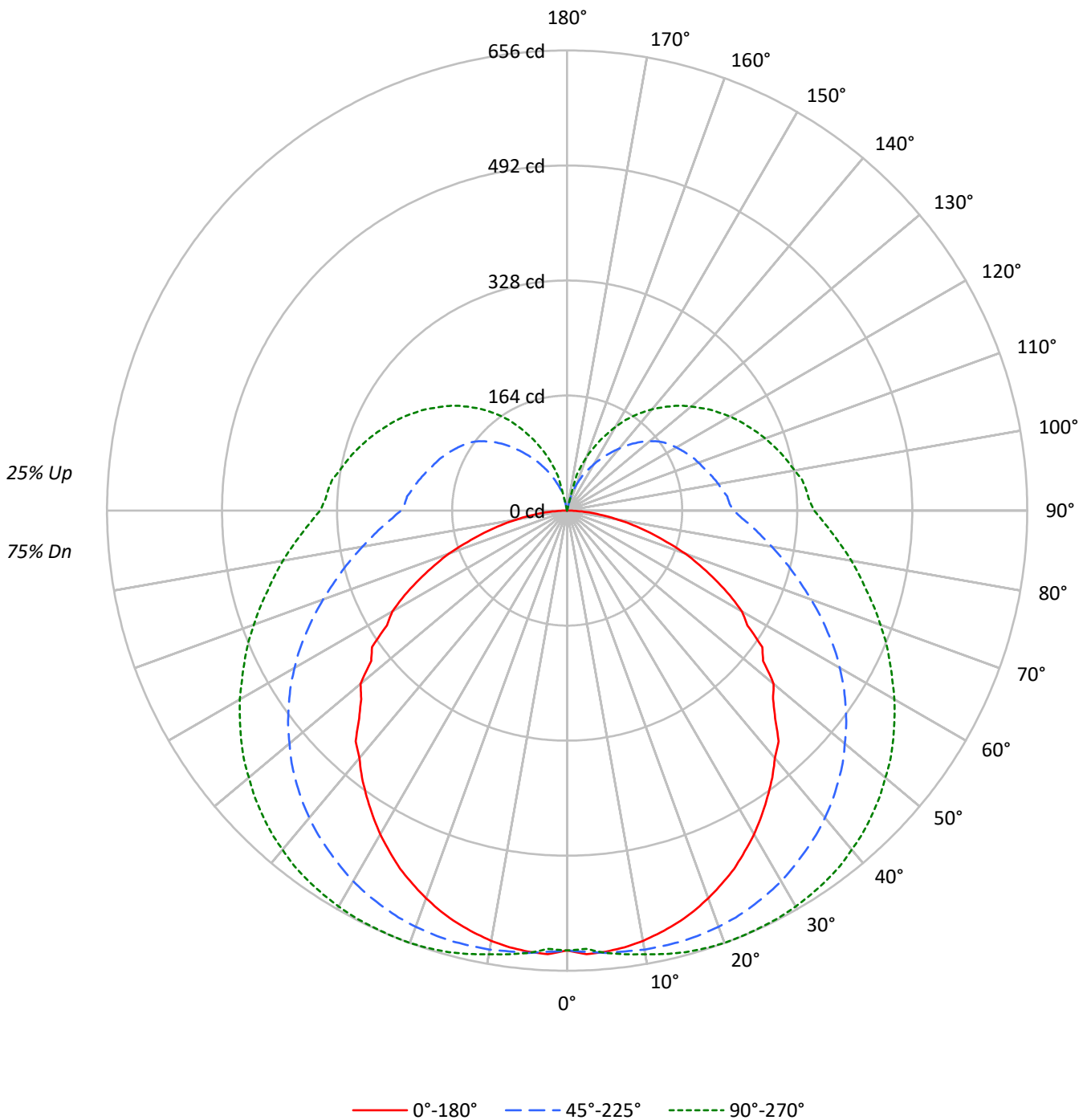
Lumens per Lamp: N/A  
Luminaire Lumens: 3610.9 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 37  
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	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°	5068	5068	5068
5°	5107	5009	4972
10°	5082	4963	4943
15°	5048	4936	4954
20°	5000	4915	4962
25°	4951	4897	4971
30°	4884	4882	4998
35°	4809	4864	5031
40°	4736	4860	5064
45°	4646	4851	5104
50°	4659	4839	5145
55°	4577	4839	5207
60°	4411	4843	5277
65°	4166	4847	5375
70°	3895	4884	5527
75°	3417	4997	5749
80°	2886	5238	6120
85°	2145	5726	6661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.3	1.7
10°-20°	178.6	4.9
20°-30°	283.9	7.9
30°-40°	364.4	10.1
40°-50°	411.5	11.4
50°-60°	419.9	11.6
60°-70°	389.0	10.8
70°-80°	329.3	9.1
80°-90°	262.9	7.3
90°-100°	223.2	6.2
100°-110°	198.9	5.5
110°-120°	169.4	4.7
120°-130°	134.5	3.7
130°-140°	95.4	2.6
140°-150°	57.0	1.6
150°-160°	26.6	0.7
160°-170°	6.3	0.2
170°-180°	0.0	0.0
0°-30°	522.8	14.5
0°-40°	887.2	24.6
0°-60°	1718.6	47.6
0°-90°	2699.7	74.8
90°-120°	591.4	16.4
90°-150°	878.4	24.3
90°-180°	911.0	25.2
0°-180°	3610.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	627	627	627	627	627	
5°	631	626	633	633	633	60
15°	608	614	636	647	652	172
25°	563	582	623	645	655	259
35°	498	535	592	629	644	312
45°	419	476	546	594	614	326
55°	339	396	484	544	568	298
65°	232	310	410	480	507	231
75°	122	216	332	413	442	130
85°	31	139	265	350	380	34
90°	2	114	237	322	352	3
95°	0	107	229	313	342	0
105°	0	98	209	288	316	0
115°	0	92	190	259	284	0
125°	0	79	169	228	250	0
135°	0	58	136	193	210	0
145°	0	38	95	144	165	0
155°	1	24	58	88	110	0
165°	1	13	26	36	52	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°	627.1	627.1	627.1	627.1	627.1
2.5°	633.0	626.2	629.6	628.8	625.4
5°	631.3	626.2	633.0	633.0	633.0
7.5°	627.9	624.5	633.8	637.2	638.1
10°	622.8	622.8	635.5	640.6	642.3
12.5°	616.0	618.6	635.5	643.2	647.4
15°	608.4	613.5	635.5	647.4	651.7
17.5°	599.1	607.5	633.8	648.3	654.2
20°	588.0	600.8	631.3	648.3	655.9
22.5°	576.1	592.3	627.9	646.6	655.9
25°	563.4	582.1	622.8	644.9	655.1
27.5°	548.1	571.9	616.9	642.3	654.2
30°	532.9	560.0	610.1	638.9	651.7
32.5°	515.9	547.3	601.6	633.8	648.3
35°	498.1	534.6	592.3	628.8	644.0
37.5°	480.3	519.3	582.9	622.0	638.9
40°	460.7	504.0	571.9	613.5	631.3
42.5°	446.3	487.9	560.0	605.0	623.7
45°	419.2	476.0	546.5	594.0	614.3
47.5°	398.0	453.1	532.9	582.9	604.2
50°	384.4	434.4	516.8	570.2	592.3
52.5°	352.1	421.7	501.5	557.5	581.2
55°	339.4	396.3	484.5	543.9	567.7
57.5°	304.6	378.4	467.5	528.6	553.2
60°	287.7	353.8	448.9	513.4	538.8
62.5°	261.3	332.6	430.2	496.4	522.7
65°	232.5	309.7	409.8	480.3	507.4
67.5°	205.3	286.8	390.3	463.3	492.1
70°	179.0	263.0	370.0	446.3	475.2
72.5°	148.5	239.3	350.4	430.2	459.1
75°	122.2	216.4	331.8	413.2	442.1
77.5°	96.7	194.3	314.0	398.0	426.8
80°	73.0	173.1	296.1	381.8	411.5
82.5°	50.9	155.3	280.0	366.6	395.4
85°	31.4	139.2	264.7	350.4	380.1
87.5°	14.4	124.7	249.5	335.2	365.7
90°	1.7	113.7	236.7	322.4	352.1
92.5°	0.8	110.3	231.6	316.5	345.4
95°	0.0	106.9	229.1	313.1	342.0
97.5°	0.0	103.5	223.2	308.0	337.7
100°	0.0	101.8	218.9	300.4	329.2
102.5°	0.0	99.3	213.8	293.6	322.4
105°	0.0	98.4	208.7	287.7	315.7
107.5°	0.0	96.7	203.6	280.0	308.0
110°	0.0	95.0	199.4	273.2	300.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	93.3	195.2	266.4	292.7
115°	0.0	91.6	190.1	258.8	284.3
117.5°	0.0	89.1	185.0	251.2	276.6
120°	0.0	85.7	179.9	244.4	268.1
122.5°	0.0	82.3	174.8	235.9	258.8
125°	0.0	78.9	168.9	228.3	250.3
127.5°	0.0	73.8	162.1	219.8	240.1
130°	0.0	68.7	153.6	211.3	230.8
132.5°	0.8	63.6	145.1	201.9	221.5
135°	0.0	58.5	135.8	192.6	210.4
137.5°	0.0	54.3	125.6	182.4	199.4
140°	0.0	49.2	115.4	170.6	188.4
142.5°	0.0	43.3	105.2	157.8	176.5
145°	0.0	38.2	95.0	144.2	164.6
147.5°	0.8	33.9	85.7	129.8	151.9
150°	0.8	30.5	76.4	115.4	137.5
152.5°	0.8	27.2	67.0	101.8	123.0
155°	0.8	23.8	58.5	88.2	109.5
157.5°	0.8	20.4	49.2	74.7	95.0
160°	0.8	17.8	40.7	62.8	81.5
162.5°	0.8	15.3	33.1	49.2	67.0
165°	0.8	12.7	26.3	36.5	51.8
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)