

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-LD5-18SL-SLC-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 (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-18SL-SLC-UNV-L935-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

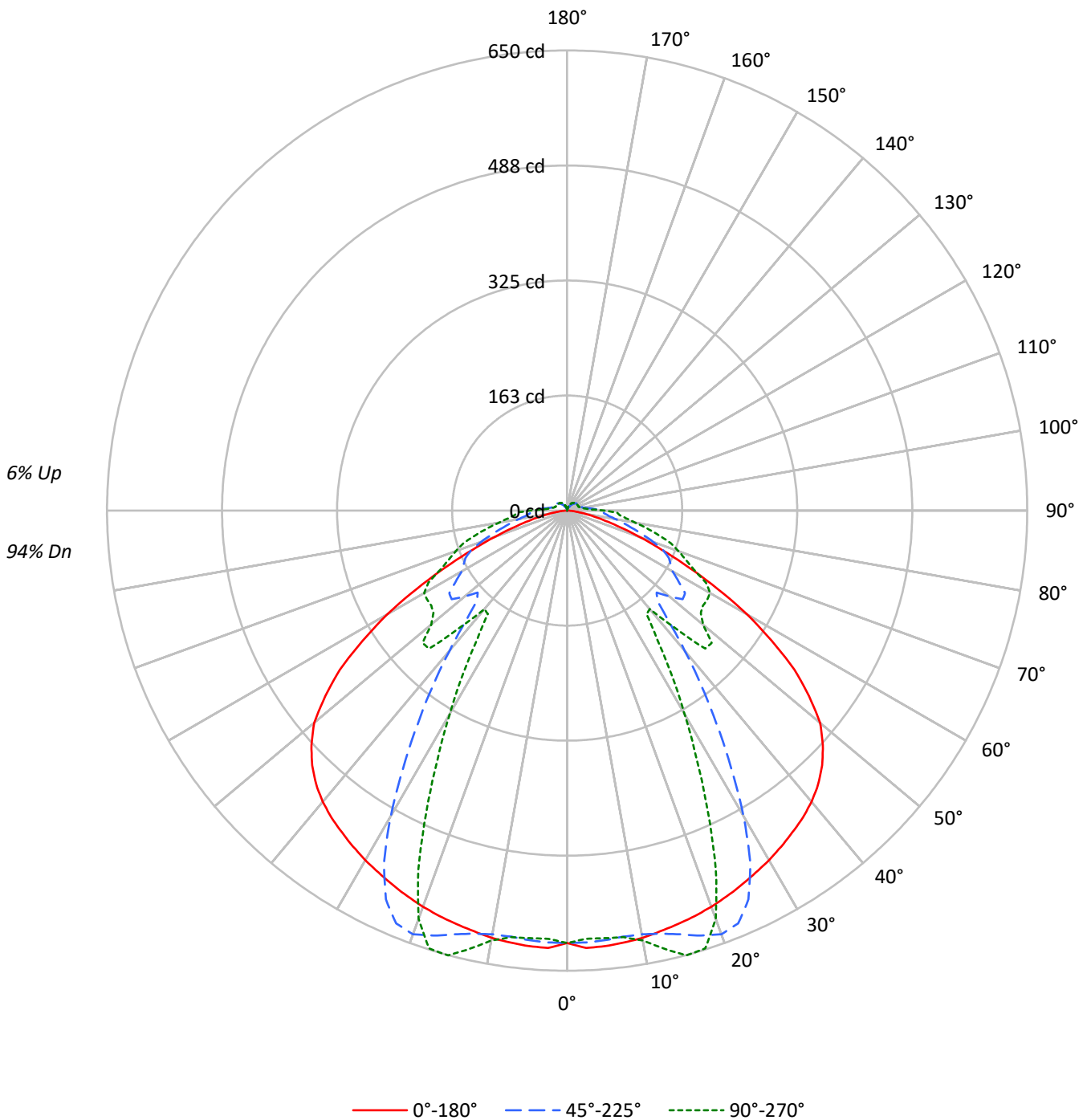
Lumens per Lamp: N/A  
Luminaire Lumens: 1569.0 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 13  
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4936	4936	4936
5°	4996	4820	4761
10°	5003	4747	4745
15°	5016	4814	4945
20°	5063	4957	4642
25°	5125	4764	3574
30°	5226	3990	2542
35°	5356	3022	1722
40°	5520	2197	1458
45°	5645	1593	2292
50°	5653	1765	2175
55°	5284	2030	2148
60°	4502	1858	2283
65°	3387	1874	2088
70°	2376	1705	1944
75°	1557	1429	1744
80°	992	1224	1452
85°	533	1164	1304



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.1	3.7
10°-20°	175.5	11.2
20°-30°	254.9	16.2
30°-40°	243.6	15.5
40°-50°	222.8	14.2
50°-60°	205.7	13.1
60°-70°	163.4	10.4
70°-80°	100.9	6.4
80°-90°	54.9	3.5
90°-100°	27.8	1.8
100°-110°	17.4	1.1
110°-120°	14.8	0.9
120°-130°	12.1	0.8
130°-140°	8.7	0.6
140°-150°	5.3	0.3
150°-160°	2.5	0.2
160°-170°	0.7	0.0
170°-180°	0.0	0.0
0°-30°	488.5	31.1
0°-40°	732.1	46.7
0°-60°	1160.6	74.0
0°-90°	1479.8	94.3
90°-120°	60.0	3.8
90°-150°	86.1	5.5
90°-180°	89.0	5.7
0°-180°	1569.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	611	611	611	611	611	
5°	618	608	609	606	606	59
15°	605	596	620	643	650	171
25°	583	595	606	513	471	270
35°	555	546	368	253	220	348
45°	509	355	180	229	276	391
55°	392	182	203	219	234	345
65°	189	118	158	192	197	191
75°	56	63	95	126	134	63
85°	8	27	54	73	74	10
90°	0	20	48	57	53	0
95°	0	19	33	30	28	0
105°	0	17	20	19	18	0
115°	0	14	20	18	17	0
125°	0	11	18	17	16	0
135°	0	8	14	15	15	0
145°	0	5	10	12	13	0
155°	0	3	6	8	10	0
165°	0	2	3	4	5	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°	610.8	610.8	610.8	610.8	610.8
2.5°	618.4	609.4	610.5	608.6	605.4
5°	617.6	608.1	609.2	605.9	606.2
7.5°	615.4	605.7	607.0	606.5	607.8
10°	613.0	602.7	607.8	612.4	616.5
12.5°	608.6	599.4	611.9	625.4	633.8
15°	604.6	596.5	619.7	642.7	650.5
17.5°	600.5	595.4	629.5	649.5	648.4
20°	595.4	594.8	636.8	630.0	613.5
22.5°	589.7	595.1	631.1	581.6	549.1
25°	583.2	594.6	605.9	512.9	471.0
27.5°	576.7	592.1	560.2	437.8	396.4
30°	570.2	585.7	498.6	369.1	331.5
32.5°	562.7	571.6	431.5	308.2	273.6
35°	554.8	545.9	368.0	253.3	220.4
37.5°	546.7	508.9	310.9	205.2	184.1
40°	537.0	462.4	258.5	176.0	181.7
42.5°	524.8	409.9	212.3	184.7	224.1
45°	509.4	355.3	179.5	229.0	275.8
47.5°	489.9	302.8	171.4	262.3	276.9
50°	466.4	254.7	188.5	251.5	250.4
52.5°	430.7	214.7	205.8	229.3	237.9
55°	391.8	182.2	203.3	218.7	234.2
57.5°	342.6	160.3	186.6	216.6	234.4
60°	293.6	145.7	172.2	216.3	233.1
62.5°	239.6	132.5	164.9	211.2	221.2
65°	189.0	118.2	158.4	192.5	197.1
67.5°	144.9	103.6	147.1	171.7	180.9
70°	109.2	89.2	129.2	155.7	167.1
72.5°	78.7	75.7	110.9	141.7	153.6
75°	55.7	63.0	94.9	125.7	134.1
77.5°	38.4	51.4	81.4	108.2	114.9
80°	25.1	41.1	69.2	93.0	97.6
82.5°	15.1	33.0	60.0	81.4	83.8
85°	7.8	26.8	53.8	73.3	74.4
87.5°	2.4	22.4	50.3	69.5	70.8
90°	0.3	20.0	48.1	57.1	52.7
92.5°	0.0	18.9	41.6	38.9	34.9
95°	0.0	18.7	33.3	29.5	27.8
97.5°	0.0	18.1	27.3	24.6	23.8
100°	0.0	17.6	23.5	21.6	21.4
102.5°	0.0	17.3	21.4	19.7	19.5
105°	0.0	16.8	20.5	18.7	18.4
107.5°	0.0	16.0	20.0	18.1	17.6
110°	0.0	15.1	20.0	17.8	17.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.3	20.0	17.6	16.8
115°	0.0	13.8	19.7	17.6	16.8
117.5°	0.3	13.2	19.5	17.6	16.8
120°	0.0	12.7	18.9	17.6	16.5
122.5°	0.3	11.9	18.4	17.3	16.5
125°	0.3	11.1	17.6	17.0	16.2
127.5°	0.3	10.3	16.8	16.5	15.7
130°	0.3	9.5	16.0	16.2	15.4
132.5°	0.3	8.7	14.9	15.7	15.1
135°	0.3	7.8	14.1	15.4	14.9
137.5°	0.3	7.0	13.0	14.6	14.6
140°	0.3	6.2	11.9	14.1	14.3
142.5°	0.3	5.7	10.8	13.5	13.8
145°	0.3	4.9	9.7	12.4	13.2
147.5°	0.3	4.3	8.7	11.4	12.4
150°	0.3	3.8	7.6	10.3	11.4
152.5°	0.3	3.2	6.8	8.9	10.5
155°	0.5	3.0	5.9	7.8	9.5
157.5°	0.5	2.4	4.9	6.8	8.1
160°	0.5	2.2	4.3	5.7	7.3
162.5°	0.5	1.9	3.5	4.9	6.2
165°	0.5	1.6	3.0	3.8	5.1
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)