

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: **8SNLED-LD5-130HL-SLN-UNV-L835-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 (P27402)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-130HL-SLN-UNV-L835-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

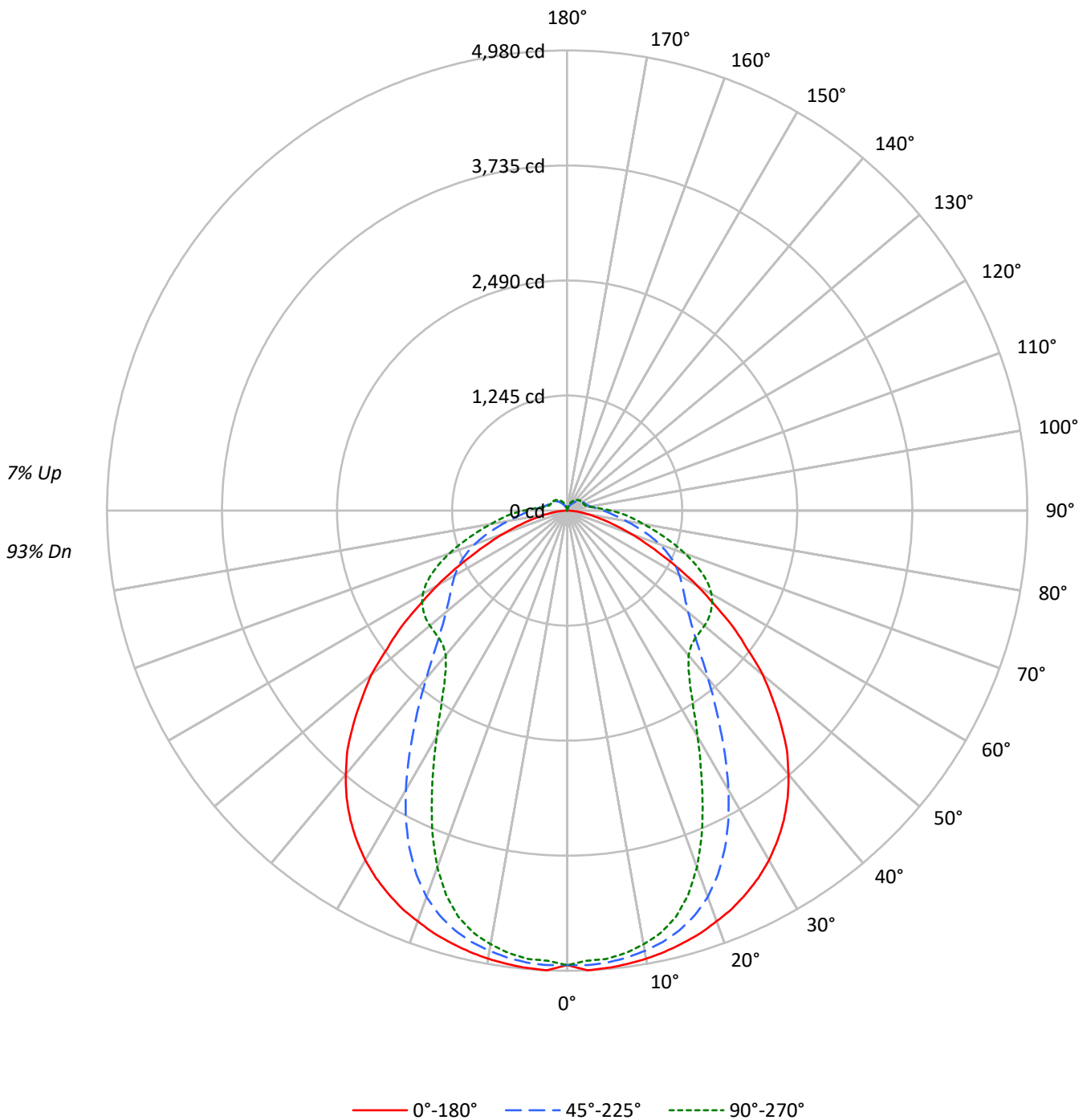
Lumens per Lamp: N/A  
Luminaire Lumens: 12368.0 lumens  
Efficiency: N/A  
Efficacy: 143.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 86  
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

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

	0°	45°	90°
0°	19871	19871	19871
5°	20128	19451	19128
10°	20149	18930	18341
15°	20184	18312	17295
20°	20223	17384	15532
25°	20263	15944	13153
30°	20200	14043	10818
35°	19949	11960	9066
40°	19406	10139	8196
45°	18423	8821	8134
50°	17067	8074	8419
55°	15081	7772	8714
60°	12781	7673	8834
65°	10340	7518	8559
70°	8377	7146	7893
75°	6401	6486	7004
80°	4843	5849	6230
85°	3446	5550	5731



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	465.3	3.8
10°-20°	1315.1	10.6
20°-30°	1838.4	14.9
30°-40°	1906.9	15.4
40°-50°	1761.7	14.2
50°-60°	1572.8	12.7
60°-70°	1274.7	10.3
70°-80°	847.8	6.9
80°-90°	485.5	3.9
90°-100°	268.6	2.2
100°-110°	181.9	1.5
110°-120°	151.4	1.2
120°-130°	123.1	1.0
130°-140°	88.8	0.7
140°-150°	53.5	0.4
150°-160°	25.7	0.2
160°-170°	6.7	0.1
170°-180°	0.0	0.0
0°-30°	3618.8	29.3
0°-40°	5525.7	44.7
0°-60°	8860.2	71.6
0°-90°	11468.2	92.7
90°-120°	601.9	4.9
90°-150°	867.4	7.0
90°-180°	900.0	7.3
0°-180°	12368.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4918	4918	4918	4918	4918	
5°	4969	4886	4912	4877	4871	473
15°	4845	4743	4702	4595	4550	1369
25°	4578	4375	4037	3614	3467	2110
35°	4089	3640	2894	2430	2321	2551
45°	3274	2595	1971	1900	1958	2518
55°	2189	1654	1539	1789	1900	1946
65°	1118	1000	1252	1535	1616	1130
75°	434	543	844	1034	1077	476
85°	88	252	498	637	654	101
90°	4	177	393	474	470	7
95°	4	150	312	333	323	3
105°	2	130	224	218	207	2
115°	2	118	199	197	190	2
125°	2	100	175	184	180	2
135°	4	75	139	162	162	3
145°	4	47	96	126	135	3
155°	4	30	60	79	96	2
165°	4	17	30	38	51	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-SLN-UNV-L835-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4918.0	4918.0	4918.0	4918.0	4918.0
2.5°	4980.0	4898.8	4924.4	4903.1	4875.3
5°	4969.3	4886.0	4911.6	4877.4	4871.0
7.5°	4950.1	4866.7	4881.7	4841.1	4830.4
10°	4924.4	4836.8	4838.9	4781.2	4766.3
12.5°	4890.2	4794.0	4781.2	4702.1	4680.8
15°	4845.3	4742.8	4702.1	4595.3	4550.4
17.5°	4796.2	4676.5	4593.1	4428.6	4358.0
20°	4729.9	4595.3	4449.9	4199.9	4105.8
22.5°	4663.7	4497.0	4264.0	3930.6	3804.5
25°	4578.2	4375.1	4037.4	3614.2	3466.8
27.5°	4482.0	4231.9	3776.7	3289.4	3131.2
30°	4368.7	4058.8	3490.3	2970.9	2821.3
32.5°	4236.2	3864.3	3188.9	2684.5	2545.6
35°	4088.7	3639.9	2894.0	2430.2	2321.1
37.5°	3919.9	3394.1	2620.4	2225.0	2154.4
40°	3727.5	3126.9	2368.2	2066.8	2043.3
42.5°	3520.2	2866.2	2152.3	1964.2	1985.6
45°	3274.4	2594.7	1970.6	1900.1	1957.8
47.5°	3015.8	2329.7	1823.1	1863.8	1947.1
50°	2765.7	2083.9	1707.7	1840.2	1938.6
52.5°	2455.8	1863.8	1615.8	1818.9	1925.7
55°	2188.6	1654.3	1538.9	1789.0	1900.1
57.5°	1880.9	1466.2	1470.5	1750.5	1861.6
60°	1624.4	1295.2	1404.2	1697.0	1803.9
62.5°	1363.6	1141.3	1331.6	1626.5	1722.7
65°	1117.8	1000.3	1252.5	1534.6	1615.8
67.5°	912.6	872.0	1162.7	1423.5	1491.9
70°	739.5	754.5	1064.4	1299.5	1357.2
72.5°	568.5	645.5	957.5	1167.0	1216.1
75°	433.9	542.9	844.2	1034.5	1077.2
77.5°	320.6	453.1	741.7	914.8	951.1
80°	226.6	374.0	645.5	810.1	837.8
82.5°	151.8	307.8	566.4	716.0	741.7
85°	87.6	252.2	498.0	636.9	654.0
87.5°	36.3	209.5	442.4	555.7	564.3
90°	4.3	177.4	393.3	474.5	470.2
92.5°	4.3	160.3	350.5	397.5	386.9
95°	4.3	149.6	312.1	333.4	322.7
97.5°	4.3	143.2	277.9	286.4	275.7
100°	2.1	138.9	254.3	254.3	243.7
102.5°	2.1	134.7	237.2	230.8	222.3
105°	2.1	130.4	224.4	218.0	207.3
107.5°	2.1	128.2	215.9	209.5	198.8
110°	2.1	124.0	209.5	203.0	194.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	121.8	205.2	200.9	190.2
115°	2.1	117.6	198.8	196.6	190.2
117.5°	2.1	113.3	194.5	194.5	188.1
120°	2.1	109.0	188.1	192.4	185.9
122.5°	2.1	104.7	181.7	188.1	181.7
125°	2.1	100.5	175.3	183.8	179.5
127.5°	4.3	94.0	166.7	179.5	175.3
130°	2.1	87.6	158.2	175.3	173.1
132.5°	4.3	81.2	149.6	168.8	168.8
135°	4.3	74.8	138.9	162.4	162.4
137.5°	4.3	66.3	128.2	153.9	156.0
140°	4.3	59.8	117.6	145.3	149.6
142.5°	4.3	53.4	106.9	136.8	143.2
145°	4.3	47.0	96.2	126.1	134.7
147.5°	4.3	42.7	85.5	113.3	126.1
150°	4.3	36.3	76.9	102.6	115.4
152.5°	4.3	32.1	68.4	91.9	106.9
155°	4.3	29.9	59.8	79.1	96.2
157.5°	4.3	25.6	51.3	68.4	85.5
160°	4.3	21.4	42.7	59.8	72.7
162.5°	4.3	19.2	36.3	49.2	64.1
165°	4.3	17.1	29.9	38.5	51.3
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)