

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-SLC-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-130HL-SLC-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

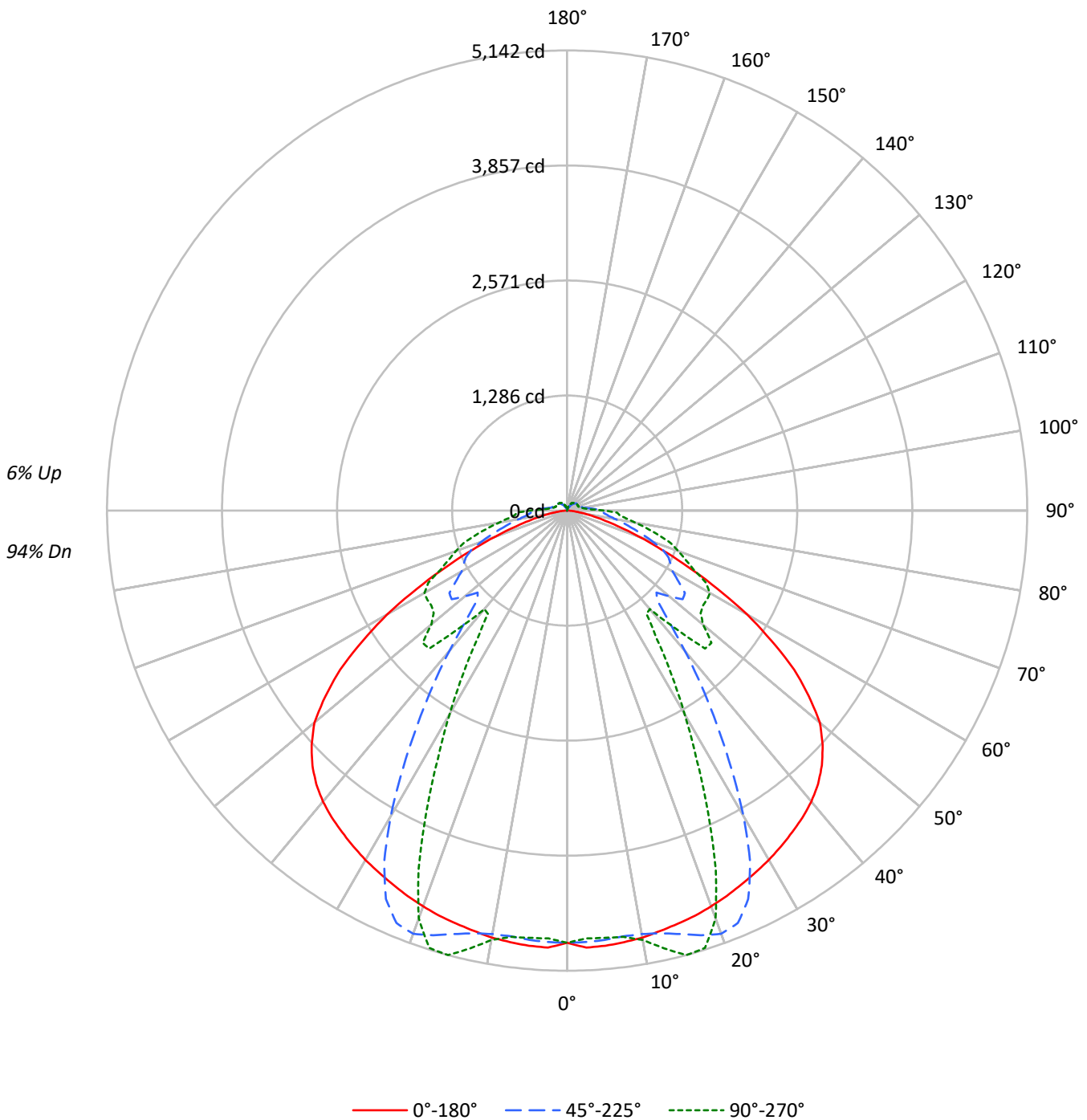
Lumens per Lamp: N/A
Luminaire Lumens: 12402.0 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	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°	19508	19508	19508
5°	19772	19069	18817
10°	19824	18796	18752
15°	19907	19077	19544
20°	20121	19663	18345
25°	20404	18914	14125
30°	20842	15856	10047
35°	21398	12021	6803
40°	22098	8748	5761
45°	22654	6353	9057
50°	22751	7043	8595
55°	21339	8117	8488
60°	18262	7439	9022
65°	13820	7517	8252
70°	9780	6859	7681
75°	6495	5764	6893
80°	4249	4957	5737
85°	2439	4739	5150



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.3	3.7
10°-20°	1387.1	11.2
20°-30°	2015.0	16.2
30°-40°	1925.2	15.5
40°-50°	1761.1	14.2
50°-60°	1626.1	13.1
60°-70°	1291.6	10.4
70°-80°	797.2	6.4
80°-90°	434.1	3.5
90°-100°	219.4	1.8
100°-110°	137.9	1.1
110°-120°	116.8	0.9
120°-130°	95.4	0.8
130°-140°	68.4	0.6
140°-150°	42.2	0.3
150°-160°	20.0	0.2
160°-170°	5.2	0.0
170°-180°	0.0	0.0
0°-30°	3861.4	31.1
0°-40°	5786.7	46.7
0°-60°	9173.8	74.0
0°-90°	11696.7	94.3
90°-120°	474.1	3.8
90°-150°	680.1	5.5
90°-180°	705.0	5.7
0°-180°	12402.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4828	4828	4828	4828	4828	
5°	4881	4807	4815	4790	4792	465
15°	4779	4715	4898	5080	5142	1352
25°	4610	4700	4790	4054	3723	2131
35°	4386	4315	2909	2003	1742	2750
45°	4026	2808	1419	1810	2180	3094
55°	3097	1440	1607	1729	1851	2728
65°	1494	934	1252	1522	1558	1511
75°	440	498	750	994	1060	499
85°	62	212	425	579	588	79
90°	2	158	380	451	417	3
95°	0	148	263	233	220	0
105°	0	132	162	148	145	0
115°	0	109	156	139	132	1
125°	2	88	139	135	128	2
135°	2	62	111	122	118	2
145°	2	38	77	98	105	1
155°	4	24	47	62	75	2
165°	4	13	24	30	41	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4828.0	4828.0	4828.0	4828.0	4828.0
2.5°	4887.8	4817.3	4825.8	4810.9	4785.2
5°	4881.4	4806.6	4815.2	4789.5	4791.6
7.5°	4864.3	4787.4	4798.1	4793.8	4804.5
10°	4845.1	4763.9	4804.5	4840.8	4872.9
12.5°	4810.9	4738.2	4836.5	4943.4	5009.6
15°	4778.8	4714.7	4898.5	5080.2	5142.2
17.5°	4746.8	4706.2	4975.4	5133.6	5125.1
20°	4706.2	4701.9	5033.2	4979.7	4849.4
22.5°	4661.3	4704.0	4988.3	4597.2	4340.7
25°	4610.0	4699.7	4789.5	4054.3	3723.0
27.5°	4558.7	4680.5	4428.3	3460.2	3133.2
30°	4507.4	4629.2	3941.0	2917.3	2620.2
32.5°	4447.6	4518.1	3411.0	2436.4	2162.9
35°	4385.6	4315.0	2908.8	2002.6	1741.8
37.5°	4321.5	4022.2	2457.8	1622.2	1455.4
40°	4244.5	3654.6	2043.2	1391.3	1436.2
42.5°	4148.3	3240.0	1677.7	1459.7	1771.8
45°	4026.5	2808.3	1419.1	1810.2	2180.0
47.5°	3872.6	2393.7	1355.0	2073.1	2188.5
50°	3686.7	2013.3	1489.6	1987.6	1979.1
52.5°	3404.6	1697.0	1626.4	1812.4	1880.8
55°	3096.8	1440.5	1607.2	1729.0	1850.8
57.5°	2707.9	1267.4	1474.7	1711.9	1853.0
60°	2321.0	1152.0	1361.4	1709.8	1842.3
62.5°	1893.6	1047.2	1303.7	1669.2	1748.2
65°	1493.9	934.0	1252.4	1521.7	1558.0
67.5°	1145.5	818.6	1162.6	1357.1	1429.8
70°	863.4	705.3	1021.6	1231.0	1320.8
72.5°	621.9	598.4	876.3	1119.9	1213.9
75°	440.3	498.0	750.2	993.8	1060.1
77.5°	303.5	406.1	643.3	854.9	908.3
80°	198.8	324.9	547.1	735.2	771.5
82.5°	119.7	260.7	474.5	643.3	662.5
85°	62.0	211.6	425.3	579.2	587.7
87.5°	19.2	177.4	397.5	549.3	560.0
90°	2.1	158.2	380.4	451.0	416.8
92.5°	0.0	149.6	329.1	307.8	275.7
95°	0.0	147.5	262.9	233.0	220.1
97.5°	0.0	143.2	215.9	194.5	188.1
100°	0.0	138.9	185.9	171.0	168.8
102.5°	0.0	136.8	168.8	156.0	153.9
105°	0.0	132.5	162.4	147.5	145.3
107.5°	0.0	126.1	158.2	143.2	138.9
110°	0.0	119.7	158.2	141.1	134.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	113.3	158.2	138.9	132.5
115°	0.0	109.0	156.0	138.9	132.5
117.5°	2.1	104.7	153.9	138.9	132.5
120°	0.0	100.4	149.6	138.9	130.4
122.5°	2.1	94.0	145.3	136.8	130.4
125°	2.1	87.6	138.9	134.6	128.2
127.5°	2.1	81.2	132.5	130.4	124.0
130°	2.1	74.8	126.1	128.2	121.8
132.5°	2.1	68.4	117.5	124.0	119.7
135°	2.1	62.0	111.1	121.8	117.5
137.5°	2.1	55.6	102.6	115.4	115.4
140°	2.1	49.2	94.0	111.1	113.3
142.5°	2.1	44.9	85.5	106.9	109.0
145°	2.1	38.5	76.9	98.3	104.7
147.5°	2.1	34.2	68.4	89.8	98.3
150°	2.1	29.9	59.8	81.2	89.8
152.5°	2.1	25.6	53.4	70.5	83.4
155°	4.3	23.5	47.0	62.0	74.8
157.5°	4.3	19.2	38.5	53.4	64.1
160°	4.3	17.1	34.2	44.9	57.7
162.5°	4.3	15.0	27.8	38.5	49.2
165°	4.3	12.8	23.5	29.9	40.6
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)