

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

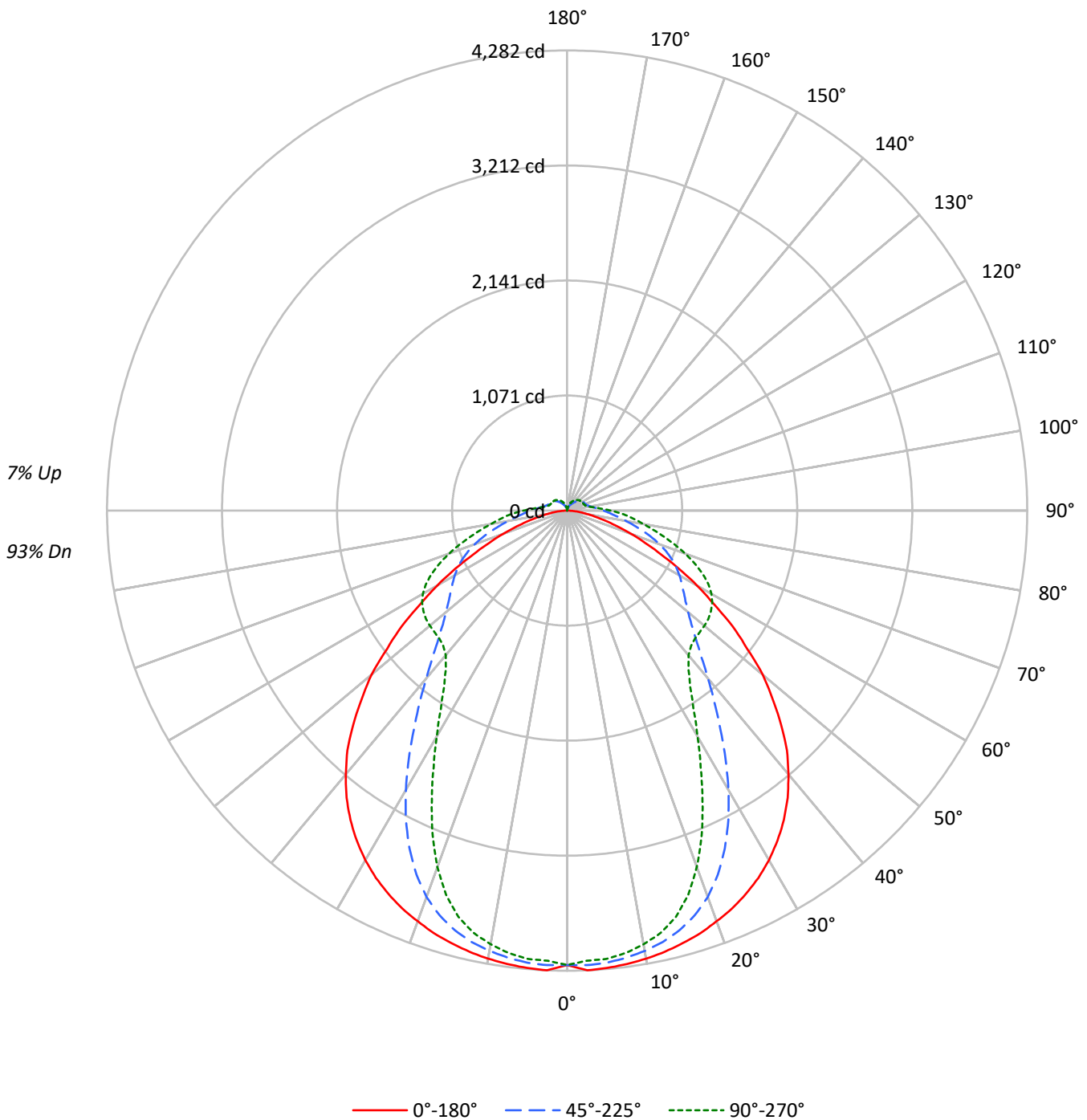
Lumens per Lamp: N/A
Luminaire Lumens: 10634.0 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-130HL-SLN-UNV-L940-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-SLN-UNV-L940-CD1-U

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°	17085	17085	17085
5°	17306	16724	16447
10°	17324	16276	15770
15°	17354	15745	14870
20°	17388	14947	13355
25°	17422	13709	11309
30°	17368	12074	9301
35°	17153	10283	7795
40°	16686	8718	7047
45°	15840	7585	6993
50°	14675	6942	7239
55°	12967	6682	7492
60°	10989	6598	7595
65°	8891	6464	7359
70°	7202	6144	6786
75°	5502	5577	6022
80°	4164	5029	5357
85°	2962	4772	4927



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-SLN-UNV-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.1	3.8
10°-20°	1130.7	10.6
20°-30°	1580.7	14.9
30°-40°	1639.5	15.4
40°-50°	1514.7	14.2
50°-60°	1352.3	12.7
60°-70°	1096.0	10.3
70°-80°	729.0	6.9
80°-90°	417.4	3.9
90°-100°	230.9	2.2
100°-110°	156.4	1.5
110°-120°	130.2	1.2
120°-130°	105.9	1.0
130°-140°	76.4	0.7
140°-150°	46.0	0.4
150°-160°	22.1	0.2
160°-170°	5.7	0.1
170°-180°	0.0	0.0
0°-30°	3111.5	29.3
0°-40°	4751.0	44.7
0°-60°	7618.0	71.6
0°-90°	9860.3	92.7
90°-120°	517.5	4.9
90°-150°	745.8	7.0
90°-180°	774.0	7.3
0°-180°	10634.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4228	4228	4228	4228	4228	
5°	4273	4201	4223	4194	4188	406
15°	4166	4078	4043	3951	3912	1177
25°	3936	3762	3471	3108	2981	1814
35°	3516	3130	2488	2089	1996	2193
45°	2815	2231	1694	1634	1683	2165
55°	1882	1422	1323	1538	1634	1673
65°	961	860	1077	1320	1389	971
75°	373	467	726	889	926	409
85°	75	217	428	548	562	87
90°	4	152	338	408	404	6
95°	4	129	268	287	278	3
105°	2	112	193	187	178	2
115°	2	101	171	169	164	2
125°	2	86	151	158	154	2
135°	4	64	119	140	140	3
145°	4	40	83	108	116	2
155°	4	26	52	68	83	2
165°	4	15	26	33	44	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-SLN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4228.5	4228.5	4228.5	4228.5	4228.5
2.5°	4281.8	4212.0	4234.0	4215.6	4191.8
5°	4272.6	4200.9	4223.0	4193.6	4188.1
7.5°	4256.1	4184.4	4197.3	4162.3	4153.2
10°	4234.0	4158.7	4160.5	4110.9	4098.0
12.5°	4204.6	4121.9	4110.9	4042.9	4024.5
15°	4166.0	4077.8	4042.9	3951.0	3912.4
17.5°	4123.8	4020.8	3949.2	3807.7	3747.0
20°	4066.8	3951.0	3826.1	3611.0	3530.2
22.5°	4009.8	3866.5	3666.2	3379.5	3271.1
25°	3936.3	3761.7	3471.4	3107.5	2980.7
27.5°	3853.6	3638.6	3247.2	2828.2	2692.2
30°	3756.2	3489.8	3000.9	2554.4	2425.7
32.5°	3642.3	3322.5	2741.8	2308.1	2188.7
35°	3515.5	3129.6	2488.2	2089.4	1995.7
37.5°	3370.3	2918.2	2253.0	1913.0	1852.4
40°	3204.9	2688.5	2036.2	1777.0	1756.8
42.5°	3026.7	2464.3	1850.5	1688.8	1707.2
45°	2815.3	2230.9	1694.3	1633.7	1683.3
47.5°	2593.0	2003.1	1567.5	1602.5	1674.1
50°	2378.0	1791.7	1468.3	1582.2	1666.8
52.5°	2111.5	1602.5	1389.3	1563.9	1655.8
55°	1881.8	1422.4	1323.1	1538.1	1633.7
57.5°	1617.2	1260.6	1264.3	1505.1	1600.6
60°	1396.6	1113.6	1207.4	1459.1	1551.0
62.5°	1172.4	981.3	1144.9	1398.5	1481.2
65°	961.1	860.0	1076.9	1319.5	1389.3
67.5°	784.7	749.8	999.7	1223.9	1282.7
70°	635.8	648.7	915.2	1117.3	1166.9
72.5°	488.8	555.0	823.3	1003.4	1045.6
75°	373.0	466.8	725.9	889.4	926.2
77.5°	275.7	389.6	637.7	786.5	817.8
80°	194.8	321.6	555.0	696.5	720.4
82.5°	130.5	264.6	487.0	615.6	637.7
85°	75.3	216.8	428.2	547.6	562.3
87.5°	31.2	180.1	380.4	477.8	485.1
90°	3.7	152.5	338.1	408.0	404.3
92.5°	3.7	137.8	301.4	341.8	332.6
95°	3.7	128.6	268.3	286.7	277.5
97.5°	3.7	123.1	238.9	246.2	237.1
100°	1.8	119.4	218.7	218.7	209.5
102.5°	1.8	115.8	204.0	198.5	191.1
105°	1.8	112.1	193.0	187.4	178.3
107.5°	1.8	110.3	185.6	180.1	170.9
110°	1.8	106.6	180.1	174.6	167.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-SLN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	104.7	176.4	172.7	163.6
115°	1.8	101.1	170.9	169.1	163.6
117.5°	1.8	97.4	167.2	167.2	161.7
120°	1.8	93.7	161.7	165.4	159.9
122.5°	1.8	90.0	156.2	161.7	156.2
125°	1.8	86.4	150.7	158.0	154.4
127.5°	3.7	80.9	143.3	154.4	150.7
130°	1.8	75.3	136.0	150.7	148.9
132.5°	3.7	69.8	128.6	145.2	145.2
135°	3.7	64.3	119.4	139.7	139.7
137.5°	3.7	57.0	110.3	132.3	134.2
140°	3.7	51.5	101.1	125.0	128.6
142.5°	3.7	45.9	91.9	117.6	123.1
145°	3.7	40.4	82.7	108.4	115.8
147.5°	3.7	36.8	73.5	97.4	108.4
150°	3.7	31.2	66.2	88.2	99.2
152.5°	3.7	27.6	58.8	79.0	91.9
155°	3.7	25.7	51.5	68.0	82.7
157.5°	3.7	22.1	44.1	58.8	73.5
160°	3.7	18.4	36.8	51.5	62.5
162.5°	3.7	16.5	31.2	42.3	55.1
165°	3.7	14.7	25.7	33.1	44.1
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)