

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-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 (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-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

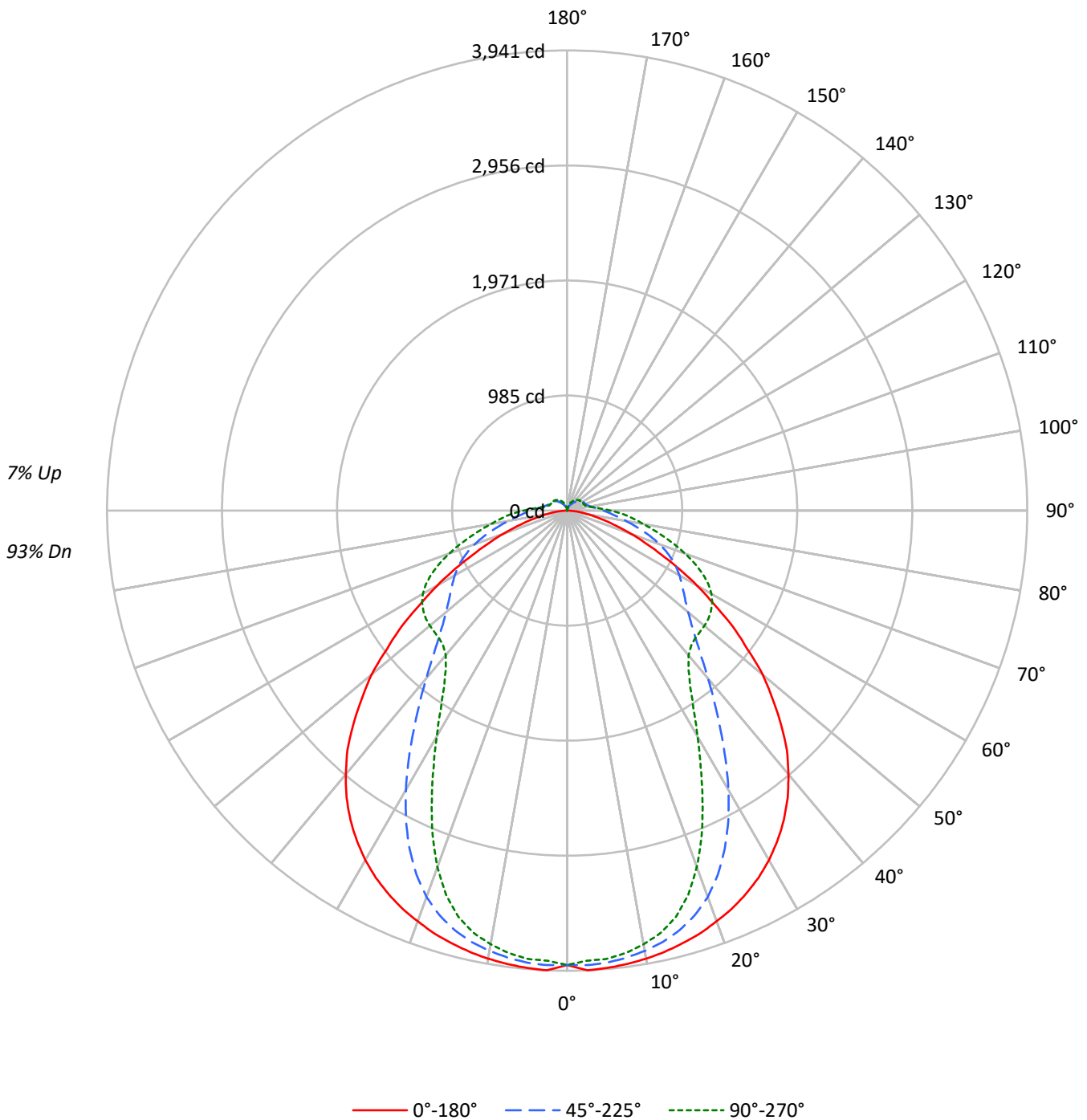
Lumens per Lamp: N/A
Luminaire Lumens: 9787.0 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	15724	15724	15724
5°	15927	15392	15137
10°	15944	14980	14514
15°	15972	14491	13686
20°	16003	13757	12291
25°	16034	12617	10408
30°	15985	11112	8561
35°	15787	9463	7174
40°	15356	8023	6486
45°	14578	6981	6436
50°	13506	6389	6662
55°	11934	6150	6895
60°	10114	6072	6991
65°	8183	5949	6772
70°	6629	5655	6246
75°	5064	5133	5542
80°	3832	4628	4931
85°	2726	4392	4535



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.2	3.8
10°-20°	1040.7	10.6
20°-30°	1454.8	14.9
30°-40°	1509.0	15.4
40°-50°	1394.0	14.2
50°-60°	1244.6	12.7
60°-70°	1008.7	10.3
70°-80°	670.9	6.9
80°-90°	384.2	3.9
90°-100°	212.5	2.2
100°-110°	143.9	1.5
110°-120°	119.8	1.2
120°-130°	97.4	1.0
130°-140°	70.3	0.7
140°-150°	42.4	0.4
150°-160°	20.4	0.2
160°-170°	5.3	0.1
170°-180°	0.0	0.0
0°-30°	2863.6	29.3
0°-40°	4372.6	44.7
0°-60°	7011.2	71.6
0°-90°	9075.0	92.7
90°-120°	476.3	4.9
90°-150°	686.4	7.0
90°-180°	712.0	7.3
0°-180°	9787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3892	3892	3892	3892	3892	
5°	3932	3866	3887	3860	3854	374
15°	3834	3753	3721	3636	3601	1083
25°	3623	3462	3195	2860	2743	1669
35°	3236	2880	2290	1923	1837	2019
45°	2591	2053	1559	1504	1549	1992
55°	1732	1309	1218	1416	1504	1540
65°	885	792	991	1214	1279	894
75°	343	430	668	819	852	376
85°	69	200	394	504	518	80
90°	3	140	311	376	372	5
95°	3	118	247	264	255	3
105°	2	103	178	172	164	2
115°	2	93	157	156	150	2
125°	2	80	139	146	142	2
135°	3	59	110	128	128	2
145°	3	37	76	100	107	2
155°	3	24	47	63	76	2
165°	3	14	24	30	41	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-SLN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3891.7	3891.7	3891.7	3891.7	3891.7
2.5°	3940.8	3876.5	3896.8	3879.9	3857.9
5°	3932.3	3866.3	3886.6	3859.6	3854.5
7.5°	3917.1	3851.1	3863.0	3830.8	3822.4
10°	3896.8	3827.4	3829.1	3783.5	3771.6
12.5°	3869.7	3793.6	3783.5	3720.9	3704.0
15°	3834.2	3753.0	3720.9	3636.3	3600.8
17.5°	3795.3	3700.6	3634.6	3504.4	3448.6
20°	3742.9	3636.3	3521.3	3323.4	3249.0
22.5°	3690.4	3558.5	3374.2	3110.3	3010.5
25°	3622.8	3462.1	3194.9	2860.0	2743.3
27.5°	3546.7	3348.8	2988.5	2602.9	2477.8
30°	3457.0	3211.8	2761.9	2350.9	2232.5
32.5°	3352.2	3057.9	2523.4	2124.3	2014.3
35°	3235.5	2880.3	2290.0	1923.0	1836.8
37.5°	3101.9	2685.8	2073.5	1760.7	1704.8
40°	2949.6	2474.4	1874.0	1635.5	1616.9
42.5°	2785.6	2268.0	1703.1	1554.3	1571.2
45°	2591.1	2053.2	1559.4	1503.6	1549.2
47.5°	2386.4	1843.5	1442.7	1474.8	1540.8
50°	2188.6	1649.0	1351.4	1456.2	1534.0
52.5°	1943.3	1474.8	1278.6	1439.3	1523.9
55°	1731.9	1309.1	1217.7	1415.6	1503.6
57.5°	1488.4	1160.2	1163.6	1385.2	1473.1
60°	1285.4	1024.9	1111.2	1342.9	1427.5
62.5°	1079.1	903.2	1053.7	1287.1	1363.2
65°	884.6	791.5	991.1	1214.4	1278.6
67.5°	722.2	690.1	920.1	1126.4	1180.5
70°	585.2	597.0	842.3	1028.3	1074.0
72.5°	449.9	510.8	757.7	923.5	962.4
75°	343.3	429.6	668.1	818.6	852.4
77.5°	253.7	358.6	586.9	723.9	752.6
80°	179.3	296.0	510.8	641.0	663.0
82.5°	120.1	243.5	448.2	566.6	586.9
85°	69.3	199.6	394.1	504.0	517.5
87.5°	28.8	165.7	350.1	439.7	446.5
90°	3.4	140.4	311.2	375.5	372.1
92.5°	3.4	126.8	277.4	314.6	306.1
95°	3.4	118.4	246.9	263.8	255.4
97.5°	3.4	113.3	219.9	226.6	218.2
100°	1.7	109.9	201.3	201.3	192.8
102.5°	1.7	106.6	187.7	182.7	175.9
105°	1.7	103.2	177.6	172.5	164.1
107.5°	1.7	101.5	170.8	165.7	157.3
110°	1.7	98.1	165.7	160.7	153.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-SLN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	96.4	162.4	159.0	150.5
115°	1.7	93.0	157.3	155.6	150.5
117.5°	1.7	89.6	153.9	153.9	148.8
120°	1.7	86.3	148.8	152.2	147.1
122.5°	1.7	82.9	143.8	148.8	143.8
125°	1.7	79.5	138.7	145.5	142.1
127.5°	3.4	74.4	131.9	142.1	138.7
130°	1.7	69.3	125.2	138.7	137.0
132.5°	3.4	64.3	118.4	133.6	133.6
135°	3.4	59.2	109.9	128.5	128.5
137.5°	3.4	52.4	101.5	121.8	123.5
140°	3.4	47.4	93.0	115.0	118.4
142.5°	3.4	42.3	84.6	108.2	113.3
145°	3.4	37.2	76.1	99.8	106.6
147.5°	3.4	33.8	67.7	89.6	99.8
150°	3.4	28.8	60.9	81.2	91.3
152.5°	3.4	25.4	54.1	72.7	84.6
155°	3.4	23.7	47.4	62.6	76.1
157.5°	3.4	20.3	40.6	54.1	67.7
160°	3.4	16.9	33.8	47.4	57.5
162.5°	3.4	15.2	28.8	38.9	50.7
165°	3.4	13.5	23.7	30.4	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)