

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

Summary

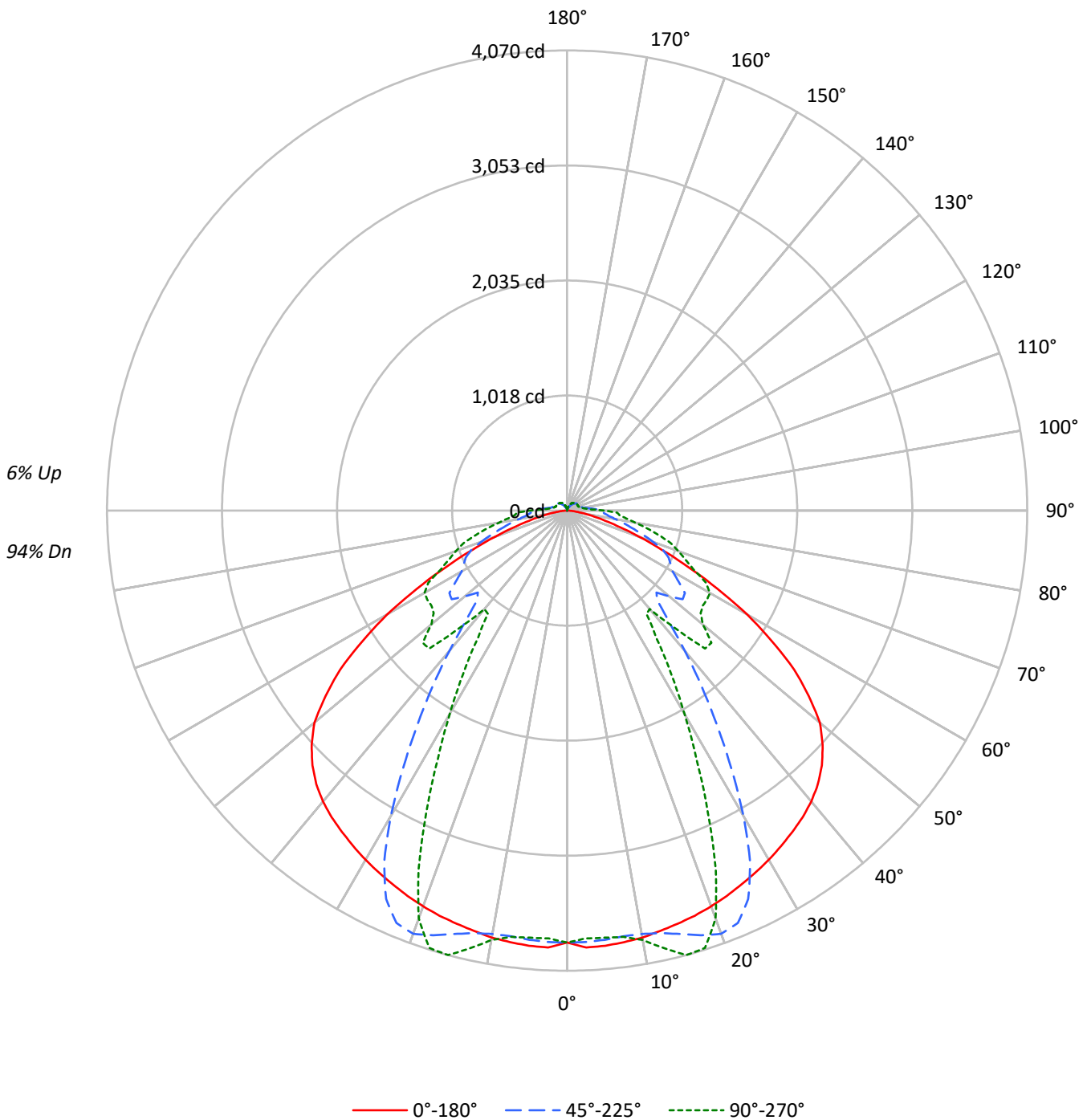
Lumens per Lamp: N/A
Luminaire Lumens: 9815.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	15438	15438	15438
5°	15648	15091	14891
10°	15689	14875	14840
15°	15754	15098	15467
20°	15924	15562	14518
25°	16148	14969	11179
30°	16494	12549	7952
35°	16935	9513	5384
40°	17488	6923	4559
45°	17929	5028	7168
50°	18005	5574	6802
55°	16888	6423	6717
60°	14453	5887	7140
65°	10937	5949	6531
70°	7740	5428	6079
75°	5139	4562	5455
80°	3362	3923	4541
85°	1931	3751	4076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.5	3.7
10°-20°	1097.8	11.2
20°-30°	1594.7	16.2
30°-40°	1523.6	15.5
40°-50°	1393.7	14.2
50°-60°	1286.9	13.1
60°-70°	1022.2	10.4
70°-80°	630.9	6.4
80°-90°	343.6	3.5
90°-100°	173.6	1.8
100°-110°	109.1	1.1
110°-120°	92.4	0.9
120°-130°	75.5	0.8
130°-140°	54.2	0.6
140°-150°	33.4	0.3
150°-160°	15.9	0.2
160°-170°	4.1	0.0
170°-180°	0.0	0.0
0°-30°	3056.0	31.1
0°-40°	4579.6	46.7
0°-60°	7260.2	74.0
0°-90°	9256.8	94.3
90°-120°	375.2	3.8
90°-150°	538.2	5.5
90°-180°	558.0	5.7
0°-180°	9815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3821	3821	3821	3821	3821	
5°	3863	3804	3811	3790	3792	368
15°	3782	3731	3877	4020	4070	1070
25°	3648	3719	3790	3209	2946	1686
35°	3471	3415	2302	1585	1378	2176
45°	3187	2222	1123	1433	1725	2449
55°	2451	1140	1272	1368	1465	2159
65°	1182	739	991	1204	1233	1196
75°	348	394	594	786	839	395
85°	49	167	337	458	465	63
90°	2	125	301	357	330	3
95°	0	117	208	184	174	0
105°	0	105	128	117	115	0
115°	0	86	124	110	105	1
125°	2	69	110	107	102	1
135°	2	49	88	96	93	1
145°	2	30	61	78	83	1
155°	3	19	37	49	59	1
165°	3	10	19	24	32	1
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°	3820.9	3820.9	3820.9	3820.9	3820.9
2.5°	3868.2	3812.4	3819.2	3807.4	3787.1
5°	3863.2	3804.0	3810.7	3790.4	3792.1
7.5°	3849.6	3788.7	3797.2	3793.8	3802.3
10°	3834.4	3770.1	3802.3	3831.0	3856.4
12.5°	3807.4	3749.8	3827.7	3912.2	3964.7
15°	3782.0	3731.2	3876.7	4020.5	4069.5
17.5°	3756.6	3724.5	3937.6	4062.8	4056.0
20°	3724.5	3721.1	3983.3	3941.0	3837.8
22.5°	3689.0	3722.8	3947.7	3638.2	3435.2
25°	3648.4	3719.4	3790.4	3208.6	2946.4
27.5°	3607.8	3704.2	3504.6	2738.4	2479.6
30°	3567.2	3663.6	3119.0	2308.8	2073.7
32.5°	3519.8	3575.6	2699.5	1928.2	1711.7
35°	3470.8	3414.9	2302.0	1584.8	1378.5
37.5°	3420.0	3183.2	1945.1	1283.8	1151.8
40°	3359.1	2892.3	1617.0	1101.1	1136.6
42.5°	3283.0	2564.2	1327.8	1155.2	1402.2
45°	3186.6	2222.5	1123.1	1432.6	1725.2
47.5°	3064.8	1894.4	1072.4	1640.7	1732.0
50°	2917.7	1593.3	1178.9	1573.0	1566.2
52.5°	2694.4	1343.0	1287.2	1434.3	1488.4
55°	2450.8	1140.0	1271.9	1368.3	1464.8
57.5°	2143.0	1003.0	1167.1	1354.8	1466.4
60°	1836.9	911.7	1077.4	1353.1	1458.0
62.5°	1498.6	828.8	1031.8	1321.0	1383.6
65°	1182.3	739.1	991.2	1204.3	1233.0
67.5°	906.6	647.8	920.1	1074.0	1131.6
70°	683.3	558.2	808.5	974.2	1045.3
72.5°	492.2	473.6	693.5	886.3	960.7
75°	348.4	394.1	593.7	786.5	838.9
77.5°	240.2	321.4	509.1	676.6	718.8
80°	157.3	257.1	433.0	581.8	610.6
82.5°	94.7	206.4	375.5	509.1	524.3
85°	49.1	167.4	336.6	458.4	465.1
87.5°	15.2	140.4	314.6	434.7	443.1
90°	1.7	125.2	301.1	356.9	329.8
92.5°	0.0	118.4	260.5	243.6	218.2
95°	0.0	116.7	208.0	184.4	174.2
97.5°	0.0	113.3	170.8	153.9	148.8
100°	0.0	109.9	147.2	135.3	133.6
102.5°	0.0	108.2	133.6	123.5	121.8
105°	0.0	104.9	128.5	116.7	115.0
107.5°	0.0	99.8	125.2	113.3	109.9
110°	0.0	94.7	125.2	111.6	106.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	89.6	125.2	109.9	104.9
115°	0.0	86.3	123.5	109.9	104.9
117.5°	1.7	82.9	121.8	109.9	104.9
120°	0.0	79.5	118.4	109.9	103.2
122.5°	1.7	74.4	115.0	108.2	103.2
125°	1.7	69.3	109.9	106.6	101.5
127.5°	1.7	64.3	104.9	103.2	98.1
130°	1.7	59.2	99.8	101.5	96.4
132.5°	1.7	54.1	93.0	98.1	94.7
135°	1.7	49.1	88.0	96.4	93.0
137.5°	1.7	44.0	81.2	91.3	91.3
140°	1.7	38.9	74.4	88.0	89.6
142.5°	1.7	35.5	67.7	84.6	86.3
145°	1.7	30.4	60.9	77.8	82.9
147.5°	1.7	27.1	54.1	71.0	77.8
150°	1.7	23.7	47.4	64.3	71.0
152.5°	1.7	20.3	42.3	55.8	66.0
155°	3.4	18.6	37.2	49.1	59.2
157.5°	3.4	15.2	30.4	42.3	50.7
160°	3.4	13.5	27.1	35.5	45.7
162.5°	3.4	11.8	22.0	30.4	38.9
165°	3.4	10.1	18.6	23.7	32.1
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)