

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-L935-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-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

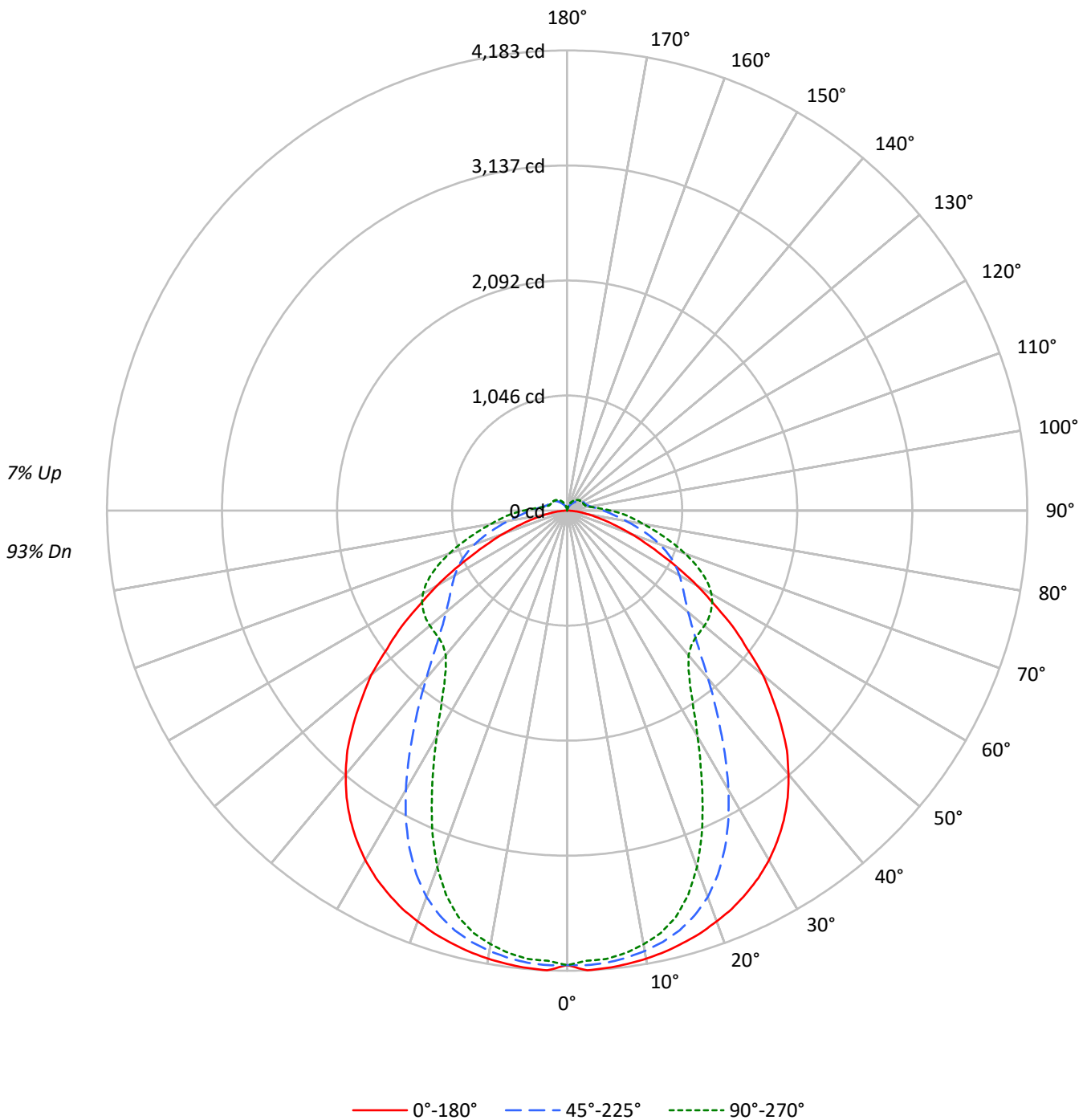
Lumens per Lamp: N/A
Luminaire Lumens: 10389.0 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	16692	16692	16692
5°	16907	16338	16068
10°	16925	15902	15406
15°	16954	15383	14528
20°	16987	14603	13047
25°	17020	13393	11048
30°	16968	11796	9087
35°	16758	10046	7615
40°	16301	8516	6884
45°	15475	7410	6832
50°	14336	6782	7072
55°	12668	6528	7320
60°	10736	6445	7421
65°	8686	6315	7189
70°	7037	6003	6630
75°	5377	5449	5884
80°	4068	4913	5234
85°	2895	4661	4814



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.8	3.8
10°-20°	1104.7	10.6
20°-30°	1544.2	14.9
30°-40°	1601.8	15.4
40°-50°	1479.8	14.2
50°-60°	1321.2	12.7
60°-70°	1070.7	10.3
70°-80°	712.2	6.9
80°-90°	407.8	3.9
90°-100°	225.6	2.2
100°-110°	152.8	1.5
110°-120°	127.2	1.2
120°-130°	103.4	1.0
130°-140°	74.6	0.7
140°-150°	45.0	0.4
150°-160°	21.6	0.2
160°-170°	5.6	0.1
170°-180°	0.0	0.0
0°-30°	3039.8	29.3
0°-40°	4641.6	44.7
0°-60°	7442.5	71.6
0°-90°	9633.2	92.7
90°-120°	505.6	4.9
90°-150°	728.6	7.0
90°-180°	756.0	7.3
0°-180°	10389.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4131	4131	4131	4131	4131	
5°	4174	4104	4126	4097	4092	397
15°	4070	3984	3950	3860	3822	1150
25°	3846	3675	3391	3036	2912	1772
35°	3434	3058	2431	2041	1950	2143
45°	2750	2180	1655	1596	1644	2115
55°	1838	1390	1293	1503	1596	1635
65°	939	840	1052	1289	1357	949
75°	364	456	709	869	905	400
85°	74	212	418	535	549	85
90°	4	149	330	399	395	6
95°	4	126	262	280	271	3
105°	2	110	188	183	174	2
115°	2	99	167	165	160	2
125°	2	84	147	154	151	2
135°	4	63	117	136	136	3
145°	4	40	81	106	113	2
155°	4	25	50	66	81	2
165°	4	14	25	32	43	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°	4131.1	4131.1	4131.1	4131.1	4131.1
2.5°	4183.1	4114.9	4136.5	4118.5	4095.2
5°	4174.2	4104.2	4125.7	4097.0	4091.6
7.5°	4158.0	4088.0	4100.6	4066.4	4057.5
10°	4136.5	4062.9	4064.7	4016.2	4003.6
12.5°	4107.7	4027.0	4016.2	3949.8	3931.8
15°	4070.0	3983.9	3949.8	3860.0	3822.3
17.5°	4028.7	3928.2	3858.2	3719.9	3660.7
20°	3973.1	3860.0	3737.9	3527.8	3448.9
22.5°	3917.4	3777.4	3581.7	3301.6	3195.7
25°	3845.6	3675.1	3391.4	3035.9	2912.0
27.5°	3764.8	3554.8	3172.4	2763.0	2630.2
30°	3669.7	3409.4	2931.8	2495.5	2369.9
32.5°	3558.4	3246.0	2678.7	2254.9	2138.3
35°	3434.5	3057.5	2430.9	2041.3	1949.7
37.5°	3292.7	2851.0	2201.1	1869.0	1809.7
40°	3131.1	2626.6	1989.2	1736.1	1716.3
42.5°	2956.9	2407.6	1807.9	1649.9	1667.9
45°	2750.5	2179.5	1655.3	1596.1	1644.5
47.5°	2533.2	1956.9	1531.4	1565.5	1635.6
50°	2323.2	1750.5	1434.5	1545.8	1628.4
52.5°	2062.8	1565.5	1357.3	1527.8	1617.6
55°	1838.4	1389.6	1292.6	1502.7	1596.1
57.5°	1579.9	1231.6	1235.2	1470.4	1563.7
60°	1364.5	1088.0	1179.5	1425.5	1515.3
62.5°	1145.4	958.7	1118.5	1366.3	1447.0
65°	939.0	840.2	1052.1	1289.1	1357.3
67.5°	766.6	732.5	976.7	1195.7	1253.1
70°	621.2	633.8	894.1	1091.6	1140.0
72.5°	477.6	542.2	804.3	980.3	1021.5
75°	364.5	456.0	709.2	868.9	904.9
77.5°	269.3	380.6	623.0	768.4	798.9
80°	190.3	314.2	542.2	680.4	703.8
82.5°	127.5	258.5	475.8	601.4	623.0
85°	73.6	211.9	418.3	535.0	549.4
87.5°	30.5	175.9	371.6	466.8	474.0
90°	3.6	149.0	330.3	398.6	395.0
92.5°	3.6	134.7	294.4	333.9	325.0
95°	3.6	125.7	262.1	280.1	271.1
97.5°	3.6	120.3	233.4	240.6	231.6
100°	1.8	116.7	213.6	213.6	204.7
102.5°	1.8	113.1	199.3	193.9	186.7
105°	1.8	109.5	188.5	183.1	174.1
107.5°	1.8	107.7	181.3	175.9	167.0
110°	1.8	104.1	175.9	170.6	163.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	102.3	172.4	168.8	159.8
115°	1.8	98.7	167.0	165.2	159.8
117.5°	1.8	95.2	163.4	163.4	158.0
120°	1.8	91.6	158.0	161.6	156.2
122.5°	1.8	88.0	152.6	158.0	152.6
125°	1.8	84.4	147.2	154.4	150.8
127.5°	3.6	79.0	140.0	150.8	147.2
130°	1.8	73.6	132.9	147.2	145.4
132.5°	3.6	68.2	125.7	141.8	141.8
135°	3.6	62.8	116.7	136.4	136.4
137.5°	3.6	55.7	107.7	129.3	131.1
140°	3.6	50.3	98.7	122.1	125.7
142.5°	3.6	44.9	89.8	114.9	120.3
145°	3.6	39.5	80.8	105.9	113.1
147.5°	3.6	35.9	71.8	95.2	105.9
150°	3.6	30.5	64.6	86.2	96.9
152.5°	3.6	26.9	57.5	77.2	89.8
155°	3.6	25.1	50.3	66.4	80.8
157.5°	3.6	21.5	43.1	57.5	71.8
160°	3.6	18.0	35.9	50.3	61.0
162.5°	3.6	16.2	30.5	41.3	53.9
165°	3.6	14.4	25.1	32.3	43.1
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)