

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

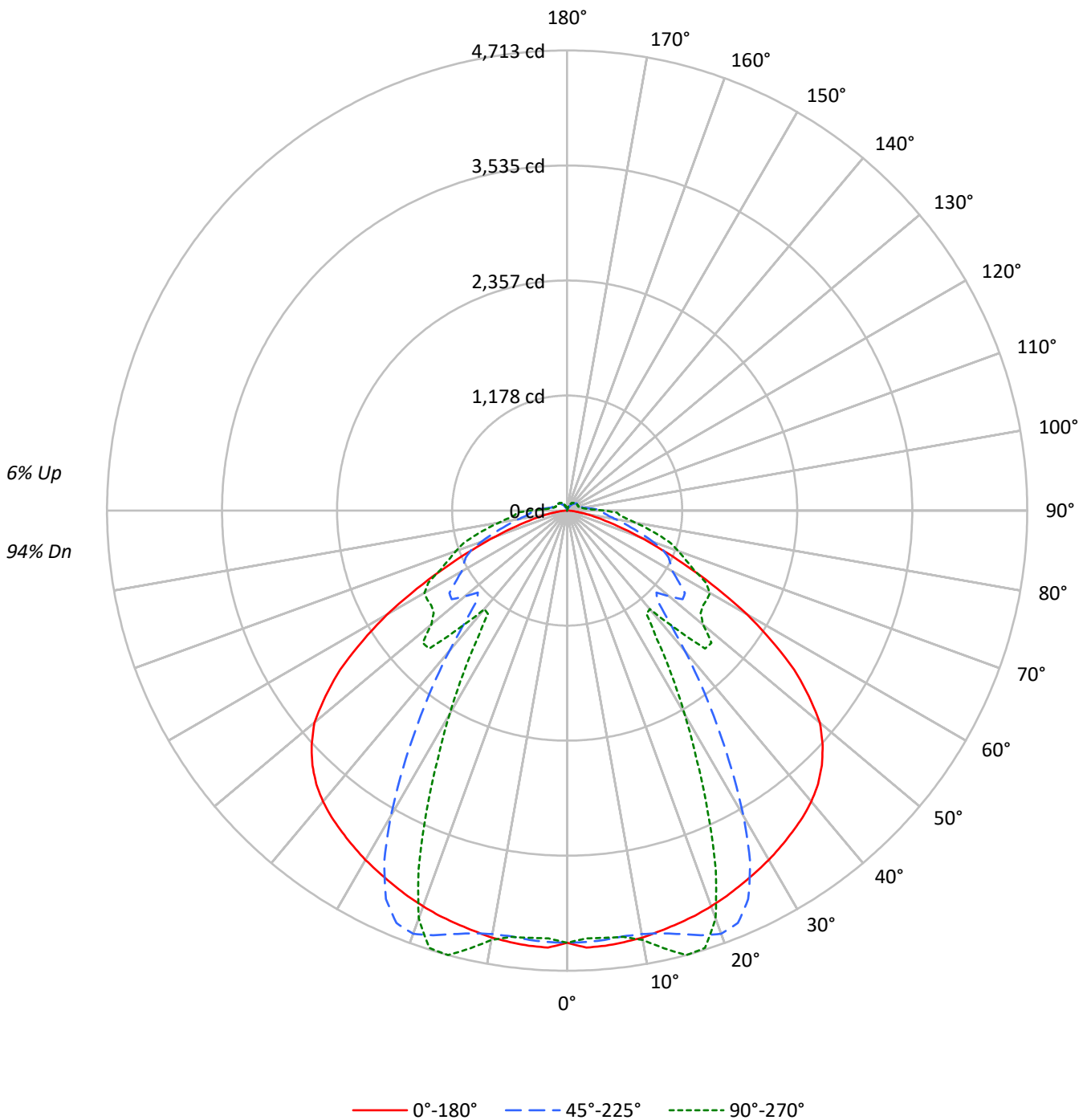
Lumens per Lamp: N/A
Luminaire Lumens: 11367.0 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	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	64	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°	17880	17880	17880
5°	18122	17477	17246
10°	18169	17227	17187
15°	18245	17485	17913
20°	18442	18022	16814
25°	18701	17336	12947
30°	19102	14533	9209
35°	19612	11017	6236
40°	20254	8018	5280
45°	20764	5823	8301
50°	20852	6455	7878
55°	19558	7440	7780
60°	16738	6818	8269
65°	12666	6890	7564
70°	8964	6286	7040
75°	5952	5283	6318
80°	3894	4544	5258
85°	2234	4344	4720



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.0	3.7
10°-20°	1271.3	11.2
20°-30°	1846.9	16.2
30°-40°	1764.6	15.5
40°-50°	1614.1	14.2
50°-60°	1490.3	13.1
60°-70°	1183.8	10.4
70°-80°	730.7	6.4
80°-90°	397.9	3.5
90°-100°	201.1	1.8
100°-110°	126.4	1.1
110°-120°	107.0	0.9
120°-130°	87.4	0.8
130°-140°	62.7	0.6
140°-150°	38.7	0.3
150°-160°	18.4	0.2
160°-170°	4.8	0.0
170°-180°	0.0	0.0
0°-30°	3539.2	31.1
0°-40°	5303.7	46.7
0°-60°	8408.2	74.0
0°-90°	10720.5	94.3
90°-120°	434.5	3.8
90°-150°	623.3	5.5
90°-180°	646.0	5.7
0°-180°	11367.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4425	4425	4425	4425	4425	
5°	4474	4406	4413	4390	4392	426
15°	4380	4321	4490	4656	4713	1240
25°	4225	4308	4390	3716	3412	1953
35°	4020	3955	2666	1836	1596	2521
45°	3690	2574	1301	1659	1998	2836
55°	2838	1320	1473	1585	1696	2500
65°	1369	856	1148	1395	1428	1385
75°	404	456	688	911	972	457
85°	57	194	390	531	539	72
90°	2	145	349	413	382	3
95°	0	135	241	214	202	0
105°	0	121	149	135	133	0
115°	0	100	143	127	121	1
125°	2	80	127	123	118	2
135°	2	57	102	112	108	2
145°	2	35	70	90	96	1
155°	4	22	43	57	69	1
165°	4	12	22	27	37	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°	4425.1	4425.1	4425.1	4425.1	4425.1
2.5°	4479.9	4415.3	4423.1	4409.4	4385.9
5°	4474.0	4405.5	4413.3	4389.8	4391.8
7.5°	4458.4	4387.8	4397.6	4393.7	4403.5
10°	4440.7	4366.3	4403.5	4436.8	4466.2
12.5°	4409.4	4342.8	4432.9	4530.8	4591.6
15°	4380.0	4321.2	4489.7	4656.2	4713.0
17.5°	4350.6	4313.4	4560.2	4705.2	4697.3
20°	4313.4	4309.5	4613.1	4564.1	4444.7
22.5°	4272.3	4311.5	4572.0	4213.5	3978.4
25°	4225.3	4307.5	4389.8	3716.0	3412.3
27.5°	4178.2	4289.9	4058.8	3171.4	2871.7
30°	4131.2	4242.9	3612.1	2673.8	2401.6
32.5°	4076.4	4141.0	3126.3	2233.1	1982.4
35°	4019.6	3954.9	2666.0	1835.5	1596.5
37.5°	3960.8	3686.6	2252.7	1486.8	1334.0
40°	3890.3	3349.7	1872.7	1275.2	1316.4
42.5°	3802.1	2969.6	1537.7	1337.9	1623.9
45°	3690.5	2573.9	1300.7	1659.2	1998.0
47.5°	3549.5	2193.9	1241.9	1900.1	2005.9
50°	3379.0	1845.2	1365.3	1821.7	1813.9
52.5°	3120.5	1555.3	1490.7	1661.1	1723.8
55°	2838.4	1320.3	1473.1	1584.7	1696.4
57.5°	2481.9	1161.6	1351.6	1569.0	1698.3
60°	2127.3	1055.8	1247.8	1567.1	1688.5
62.5°	1735.5	959.8	1194.9	1529.9	1602.3
65°	1369.2	856.0	1147.9	1394.7	1428.0
67.5°	1049.9	750.2	1065.6	1243.9	1310.5
70°	791.4	646.4	936.3	1128.3	1210.6
72.5°	570.0	548.5	803.1	1026.4	1112.6
75°	403.5	456.4	687.6	910.9	971.6
77.5°	278.2	372.2	589.6	783.5	832.5
80°	182.2	297.7	501.5	673.8	707.1
82.5°	109.7	239.0	434.9	589.6	607.2
85°	56.8	193.9	389.8	530.9	538.7
87.5°	17.6	162.6	364.3	503.4	513.2
90°	2.0	145.0	348.7	413.3	382.0
92.5°	0.0	137.1	301.7	282.1	252.7
95°	0.0	135.2	240.9	213.5	201.8
97.5°	0.0	131.2	197.8	178.3	172.4
100°	0.0	127.3	170.4	156.7	154.7
102.5°	0.0	125.4	154.7	143.0	141.0
105°	0.0	121.4	148.9	135.2	133.2
107.5°	0.0	115.6	145.0	131.2	127.3
110°	0.0	109.7	145.0	129.3	123.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	103.8	145.0	127.3	121.4
115°	0.0	99.9	143.0	127.3	121.4
117.5°	2.0	96.0	141.0	127.3	121.4
120°	0.0	92.1	137.1	127.3	119.5
122.5°	2.0	86.2	133.2	125.4	119.5
125°	2.0	80.3	127.3	123.4	117.5
127.5°	2.0	74.4	121.4	119.5	113.6
130°	2.0	68.6	115.6	117.5	111.7
132.5°	2.0	62.7	107.7	113.6	109.7
135°	2.0	56.8	101.9	111.7	107.7
137.5°	2.0	50.9	94.0	105.8	105.8
140°	2.0	45.1	86.2	101.9	103.8
142.5°	2.0	41.1	78.4	97.9	99.9
145°	2.0	35.3	70.5	90.1	96.0
147.5°	2.0	31.3	62.7	82.3	90.1
150°	2.0	27.4	54.8	74.4	82.3
152.5°	2.0	23.5	49.0	64.6	76.4
155°	3.9	21.5	43.1	56.8	68.6
157.5°	3.9	17.6	35.3	49.0	58.8
160°	3.9	15.7	31.3	41.1	52.9
162.5°	3.9	13.7	25.5	35.3	45.1
165°	3.9	11.8	21.5	27.4	37.2
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)