

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

**Summary**

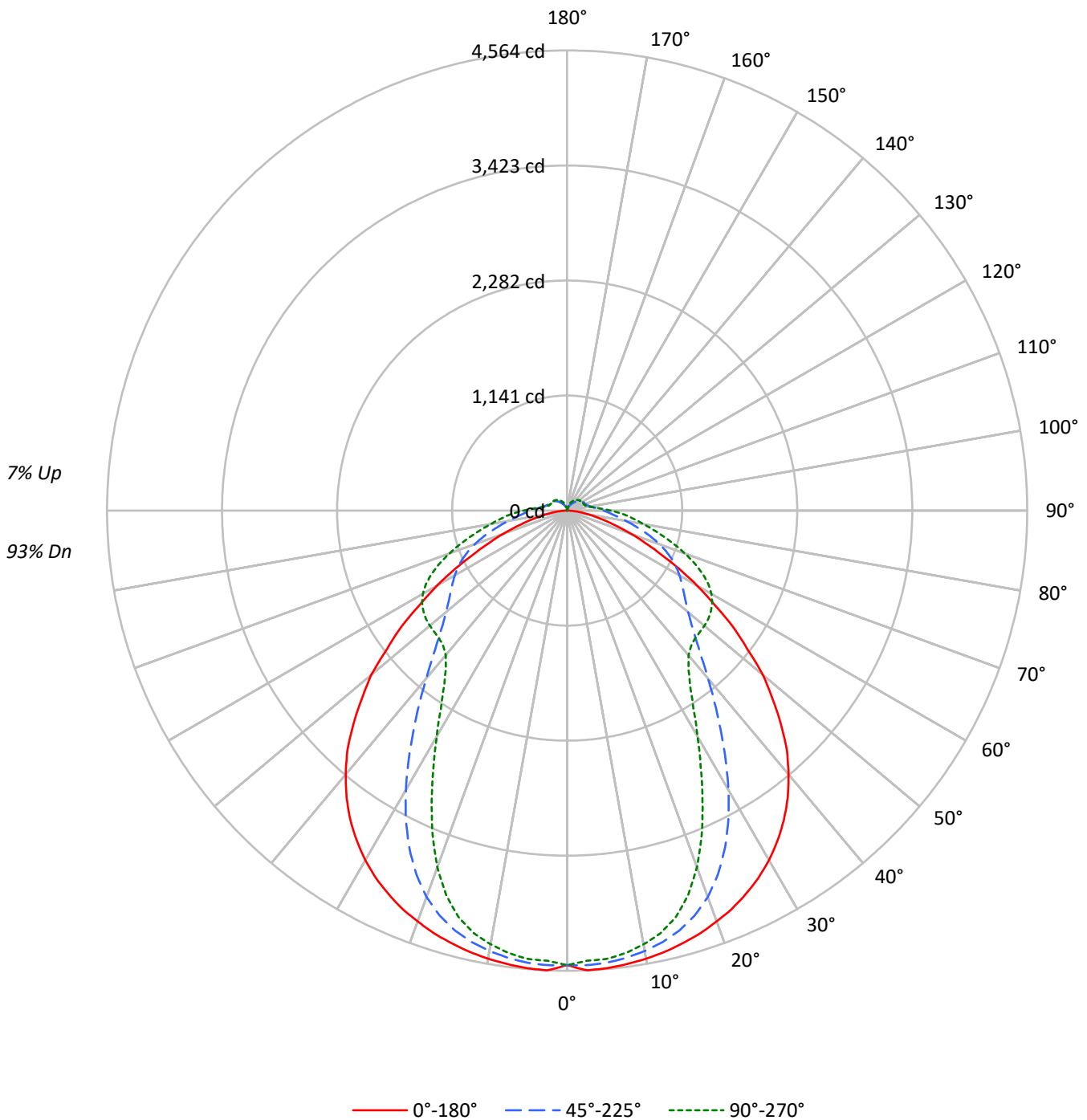
Lumens per Lamp: N/A  
Luminaire Lumens: 11336.0 lumens  
Efficiency: N/A  
Efficacy: 131.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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	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°	18213	18213	18213
5°	18448	17828	17532
10°	18467	17351	16811
15°	18499	16785	15852
20°	18536	15934	14236
25°	18572	14614	12056
30°	18515	12871	9916
35°	18285	10962	8310
40°	17787	9293	7512
45°	16885	8085	7455
50°	15643	7400	7717
55°	13823	7123	7986
60°	11714	7033	8097
65°	9478	6890	7845
70°	7678	6550	7235
75°	5867	5945	6420
80°	4439	5360	5711
85°	3159	5086	5253



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	426.5	3.8
10°-20°	1205.4	10.6
20°-30°	1685.0	14.9
30°-40°	1747.8	15.4
40°-50°	1614.7	14.2
50°-60°	1441.6	12.7
60°-70°	1168.3	10.3
70°-80°	777.1	6.9
80°-90°	445.0	3.9
90°-100°	246.2	2.2
100°-110°	166.7	1.5
110°-120°	138.8	1.2
120°-130°	112.9	1.0
130°-140°	81.4	0.7
140°-150°	49.1	0.4
150°-160°	23.6	0.2
160°-170°	6.1	0.1
170°-180°	0.0	0.0
0°-30°	3316.9	29.3
0°-40°	5064.6	44.7
0°-60°	8120.9	71.6
0°-90°	10511.3	92.7
90°-120°	551.7	4.9
90°-150°	795.0	7.0
90°-180°	825.0	7.3
0°-180°	11336.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4508	4508	4508	4508	4508	
5°	4555	4478	4502	4470	4464	433
15°	4441	4347	4310	4212	4171	1255
25°	4196	4010	3700	3313	3178	1934
35°	3748	3336	2652	2227	2128	2338
45°	3001	2378	1806	1742	1794	2308
55°	2006	1516	1410	1640	1742	1784
65°	1025	917	1148	1407	1481	1036
75°	398	498	774	948	987	436
85°	80	231	456	584	600	92
90°	4	163	360	435	431	6
95°	4	137	286	306	296	3
105°	2	120	206	200	190	2
115°	2	108	182	180	174	2
125°	2	92	161	168	165	2
135°	4	69	127	149	149	3
145°	4	43	88	116	123	2
155°	4	27	55	72	88	2
165°	4	16	27	35	47	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-SLN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4507.6	4507.6	4507.6	4507.6	4507.6
2.5°	4564.5	4490.0	4513.5	4493.9	4468.5
5°	4554.7	4478.3	4501.8	4470.4	4464.5
7.5°	4537.0	4460.6	4474.3	4437.1	4427.3
10°	4513.5	4433.2	4435.2	4382.3	4368.6
12.5°	4482.2	4394.0	4382.3	4309.8	4290.2
15°	4441.0	4347.0	4309.8	4211.8	4170.7
17.5°	4396.0	4286.3	4209.9	4059.0	3994.4
20°	4335.3	4211.8	4078.6	3849.4	3763.2
22.5°	4274.5	4121.7	3908.2	3602.6	3487.0
25°	4196.2	4010.1	3700.5	3312.7	3177.5
27.5°	4108.0	3878.8	3461.5	3014.9	2869.9
30°	4004.2	3720.1	3199.0	2723.0	2585.9
32.5°	3882.7	3541.9	2922.8	2460.5	2333.2
35°	3747.6	3336.2	2652.5	2227.4	2127.5
37.5°	3592.8	3110.9	2401.7	2039.3	1974.7
40°	3416.5	2866.0	2170.6	1894.3	1872.8
42.5°	3226.5	2627.0	1972.7	1800.3	1819.9
45°	3001.2	2378.2	1806.2	1741.5	1794.4
47.5°	2764.1	2135.3	1671.0	1708.2	1784.6
50°	2534.9	1910.0	1565.2	1686.7	1776.8
52.5°	2250.9	1708.2	1481.0	1667.1	1765.1
55°	2006.0	1516.3	1410.5	1639.7	1741.5
57.5°	1723.9	1343.9	1347.8	1604.4	1706.3
60°	1488.8	1187.2	1287.1	1555.4	1653.4
62.5°	1249.8	1046.1	1220.5	1490.8	1578.9
65°	1024.6	916.8	1148.0	1406.6	1481.0
67.5°	836.5	799.3	1065.7	1304.7	1367.4
70°	677.8	691.5	975.6	1191.1	1244.0
72.5°	521.1	591.6	877.6	1069.6	1114.7
75°	397.7	497.6	773.8	948.2	987.3
77.5°	293.8	415.3	679.8	838.4	871.8
80°	207.7	342.8	591.6	742.5	767.9
82.5°	139.1	282.1	519.1	656.3	679.8
85°	80.3	231.2	456.4	583.8	599.5
87.5°	33.3	192.0	405.5	509.3	517.2
90°	3.9	162.6	360.5	434.9	431.0
92.5°	3.9	146.9	321.3	364.4	354.6
95°	3.9	137.1	286.0	305.6	295.8
97.5°	3.9	131.3	254.7	262.5	252.7
100°	2.0	127.3	233.1	233.1	223.3
102.5°	2.0	123.4	217.4	211.6	203.7
105°	2.0	119.5	205.7	199.8	190.0
107.5°	2.0	117.5	197.9	192.0	182.2
110°	2.0	113.6	192.0	186.1	178.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	111.7	188.1	184.1	174.4
115°	2.0	107.7	182.2	180.2	174.4
117.5°	2.0	103.8	178.3	178.3	172.4
120°	2.0	99.9	172.4	176.3	170.4
122.5°	2.0	96.0	166.5	172.4	166.5
125°	2.0	92.1	160.6	168.5	164.6
127.5°	3.9	86.2	152.8	164.6	160.6
130°	2.0	80.3	145.0	160.6	158.7
132.5°	3.9	74.4	137.1	154.8	154.8
135°	3.9	68.6	127.3	148.9	148.9
137.5°	3.9	60.7	117.5	141.0	143.0
140°	3.9	54.9	107.7	133.2	137.1
142.5°	3.9	49.0	97.9	125.4	131.3
145°	3.9	43.1	88.2	115.6	123.4
147.5°	3.9	39.2	78.4	103.8	115.6
150°	3.9	33.3	70.5	94.0	105.8
152.5°	3.9	29.4	62.7	84.2	97.9
155°	3.9	27.4	54.9	72.5	88.2
157.5°	3.9	23.5	47.0	62.7	78.4
160°	3.9	19.6	39.2	54.9	66.6
162.5°	3.9	17.6	33.3	45.1	58.8
165°	3.9	15.7	27.4	35.3	47.0
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)