

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-L940-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-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

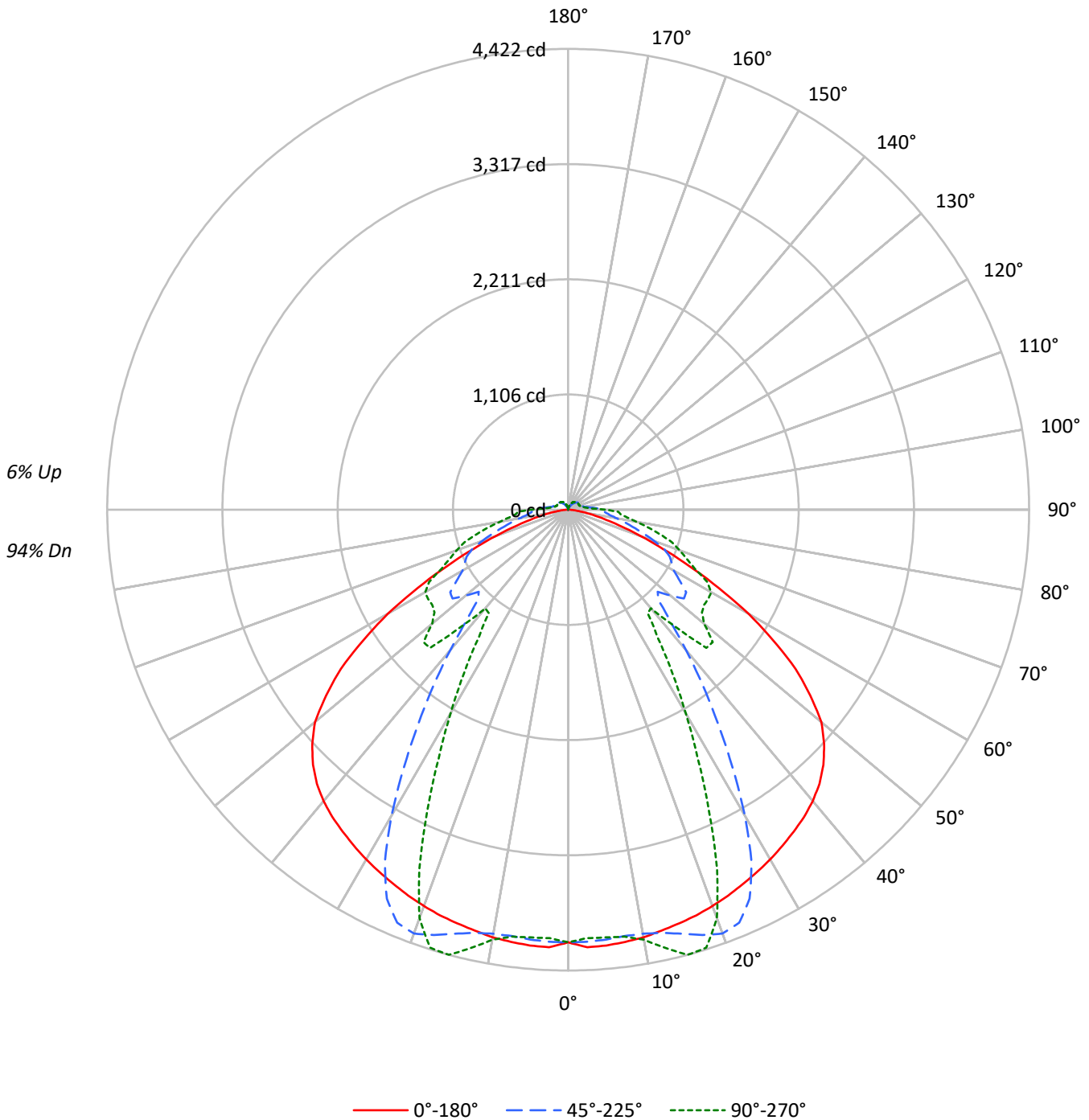
Lumens per Lamp: N/A  
Luminaire Lumens: 10664.0 lumens  
Efficiency: N/A  
Efficacy: 124.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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°	16774	16774	16774
5°	17001	16397	16180
10°	17046	16162	16124
15°	17117	16404	16805
20°	17301	16907	15774
25°	17544	16263	12146
30°	17921	13634	8639
35°	18399	10336	5850
40°	19001	7522	4953
45°	19480	5462	7788
50°	19563	6056	7391
55°	18348	6980	7299
60°	15703	6397	7757
65°	11883	6464	7096
70°	8409	5897	6605
75°	5585	4956	5927
80°	3653	4263	4934
85°	2097	4075	4429



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	394.9	3.7
10°-20°	1192.7	11.2
20°-30°	1732.6	16.2
30°-40°	1655.4	15.5
40°-50°	1514.3	14.2
50°-60°	1398.2	13.1
60°-70°	1110.6	10.4
70°-80°	685.5	6.4
80°-90°	373.3	3.5
90°-100°	188.7	1.8
100°-110°	118.5	1.1
110°-120°	100.4	0.9
120°-130°	82.0	0.8
130°-140°	58.8	0.6
140°-150°	36.3	0.3
150°-160°	17.2	0.2
160°-170°	4.5	0.0
170°-180°	0.0	0.0
0°-30°	3320.3	31.1
0°-40°	4975.7	46.7
0°-60°	7888.2	74.0
0°-90°	10057.5	94.3
90°-120°	407.6	3.8
90°-150°	584.8	5.5
90°-180°	606.0	5.7
0°-180°	10664.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4151	4151	4151	4151	4151	
5°	4197	4133	4140	4118	4120	399
15°	4109	4054	4212	4368	4422	1163
25°	3964	4041	4118	3486	3201	1832
35°	3771	3710	2501	1722	1498	2365
45°	3462	2415	1220	1556	1874	2661
55°	2663	1239	1382	1487	1592	2345
65°	1285	803	1077	1308	1340	1299
75°	379	428	645	854	912	429
85°	53	182	366	498	505	68
90°	2	136	327	388	358	3
95°	0	127	226	200	189	0
105°	0	114	140	127	125	0
115°	0	94	134	120	114	1
125°	2	75	120	116	110	1
135°	2	53	96	105	101	1
145°	2	33	66	84	90	1
155°	4	20	40	53	64	1
165°	4	11	20	26	35	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°	4151.4	4151.4	4151.4	4151.4	4151.4
2.5°	4202.8	4142.2	4149.6	4136.7	4114.6
5°	4197.3	4133.0	4140.4	4118.3	4120.2
7.5°	4182.6	4116.5	4125.7	4122.0	4131.2
10°	4166.1	4096.3	4131.2	4162.4	4190.0
12.5°	4136.7	4074.2	4158.7	4250.6	4307.6
15°	4109.1	4054.0	4212.0	4368.2	4421.5
17.5°	4081.6	4046.6	4278.2	4414.2	4406.8
20°	4046.6	4043.0	4327.8	4281.9	4169.8
22.5°	4008.1	4044.8	4289.2	3952.9	3732.4
25°	3963.9	4041.1	4118.3	3486.1	3201.3
27.5°	3919.8	4024.6	3807.7	2975.3	2694.1
30°	3875.7	3980.5	3388.7	2508.5	2253.0
32.5°	3824.3	3884.9	2933.0	2095.0	1859.8
35°	3771.0	3710.3	2501.1	1721.9	1497.7
37.5°	3715.9	3458.6	2113.4	1394.8	1251.5
40°	3649.7	3142.5	1756.9	1196.4	1234.9
42.5°	3567.0	2786.0	1442.6	1255.2	1523.5
45°	3462.3	2414.8	1220.2	1556.5	1874.5
47.5°	3329.9	2058.2	1165.1	1782.6	1881.8
50°	3170.1	1731.1	1280.9	1709.1	1701.7
52.5°	2927.5	1459.1	1398.5	1558.4	1617.2
55°	2662.8	1238.6	1382.0	1486.7	1591.5
57.5°	2328.4	1089.8	1268.0	1472.0	1593.3
60°	1995.8	990.5	1170.6	1470.2	1584.1
62.5°	1628.2	900.5	1121.0	1435.3	1503.2
65°	1284.6	803.1	1076.9	1308.5	1339.7
67.5°	985.0	703.8	999.7	1166.9	1229.4
70°	742.4	606.4	878.4	1058.5	1135.7
72.5°	534.8	514.6	753.5	963.0	1043.8
75°	378.6	428.2	645.0	854.5	911.5
77.5°	261.0	349.2	553.2	735.1	781.0
80°	170.9	279.3	470.5	632.2	663.4
82.5°	102.9	224.2	408.0	553.2	569.7
85°	53.3	181.9	365.7	498.0	505.4
87.5°	16.5	152.5	341.8	472.3	481.5
90°	1.8	136.0	327.1	387.8	358.4
92.5°	0.0	128.6	283.0	264.6	237.1
95°	0.0	126.8	226.0	200.3	189.3
97.5°	0.0	123.1	185.6	167.2	161.7
100°	0.0	119.5	159.9	147.0	145.2
102.5°	0.0	117.6	145.2	134.2	132.3
105°	0.0	113.9	139.7	126.8	125.0
107.5°	0.0	108.4	136.0	123.1	119.5
110°	0.0	102.9	136.0	121.3	115.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	97.4	136.0	119.5	113.9
115°	0.0	93.7	134.2	119.5	113.9
117.5°	1.8	90.0	132.3	119.5	113.9
120°	0.0	86.4	128.6	119.5	112.1
122.5°	1.8	80.9	125.0	117.6	112.1
125°	1.8	75.3	119.5	115.8	110.3
127.5°	1.8	69.8	113.9	112.1	106.6
130°	1.8	64.3	108.4	110.3	104.7
132.5°	1.8	58.8	101.1	106.6	102.9
135°	1.8	53.3	95.6	104.7	101.1
137.5°	1.8	47.8	88.2	99.2	99.2
140°	1.8	42.3	80.9	95.6	97.4
142.5°	1.8	38.6	73.5	91.9	93.7
145°	1.8	33.1	66.2	84.5	90.0
147.5°	1.8	29.4	58.8	77.2	84.5
150°	1.8	25.7	51.5	69.8	77.2
152.5°	1.8	22.1	45.9	60.6	71.7
155°	3.7	20.2	40.4	53.3	64.3
157.5°	3.7	16.5	33.1	45.9	55.1
160°	3.7	14.7	29.4	38.6	49.6
162.5°	3.7	12.9	23.9	33.1	42.3
165°	3.7	11.0	20.2	25.7	34.9
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)