

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

**Summary**

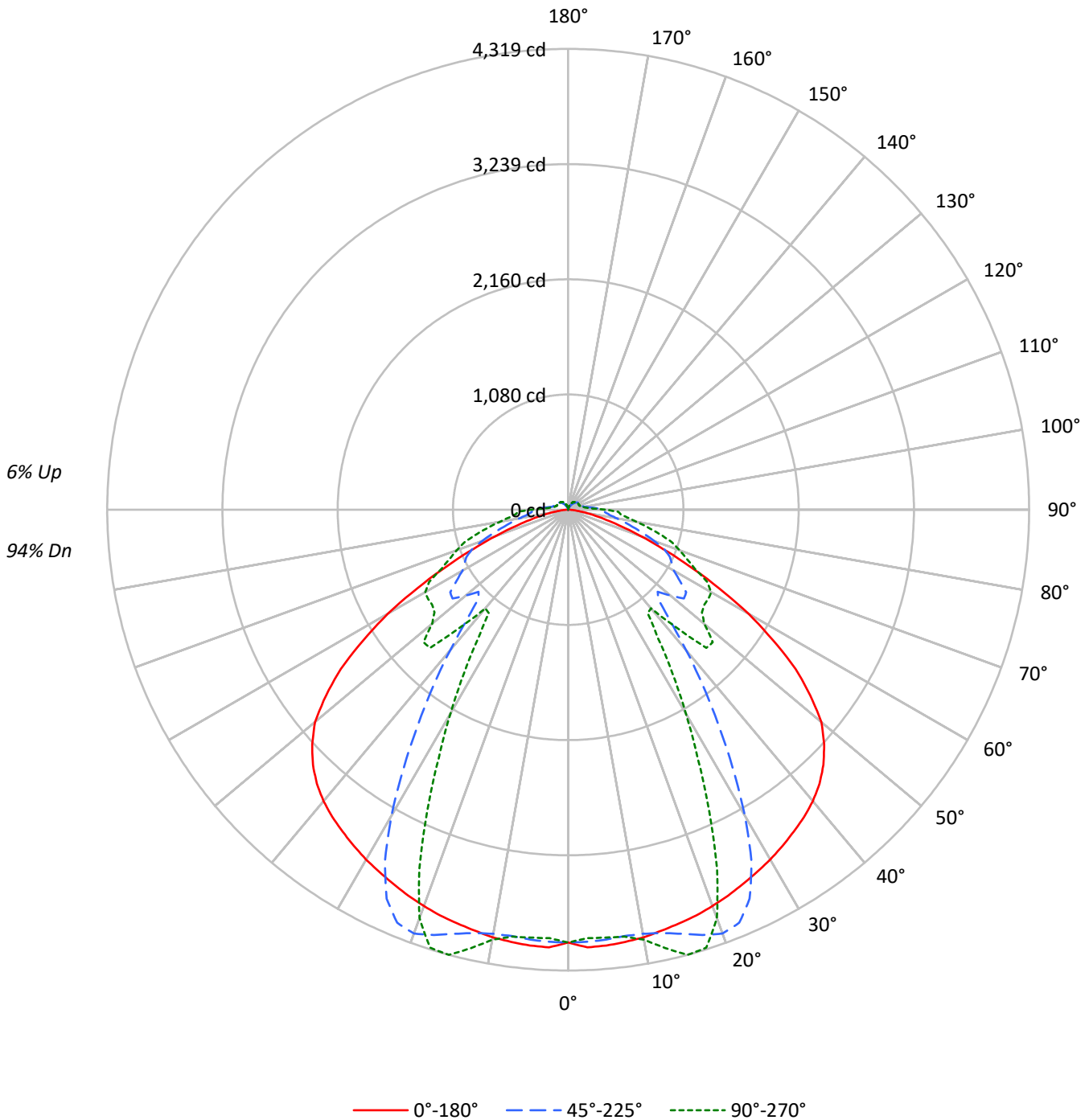
Lumens per Lamp: N/A  
Luminaire Lumens: 10417.0 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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°	16385	16385	16385
5°	16607	16017	15805
10°	16651	15787	15750
15°	16721	16024	16416
20°	16901	16516	15409
25°	17138	15887	11864
30°	17506	13318	8439
35°	17973	10097	5714
40°	18561	7348	4839
45°	19028	5336	7607
50°	19109	5916	7219
55°	17924	6818	7129
60°	15339	6248	7578
65°	11608	6314	6932
70°	8215	5761	6452
75°	5455	4841	5790
80°	3567	4164	4819
85°	2049	3981	4326



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	385.8	3.7
10°-20°	1165.1	11.2
20°-30°	1692.5	16.2
30°-40°	1617.1	15.5
40°-50°	1479.2	14.2
50°-60°	1365.8	13.1
60°-70°	1084.9	10.4
70°-80°	669.6	6.4
80°-90°	364.6	3.5
90°-100°	184.3	1.8
100°-110°	115.8	1.1
110°-120°	98.1	0.9
120°-130°	80.1	0.8
130°-140°	57.5	0.6
140°-150°	35.4	0.3
150°-160°	16.8	0.2
160°-170°	4.4	0.0
170°-180°	0.0	0.0
0°-30°	3243.4	31.1
0°-40°	4860.5	46.7
0°-60°	7705.5	74.0
0°-90°	9824.6	94.3
90°-120°	398.2	3.8
90°-150°	571.2	5.5
90°-180°	592.0	5.7
0°-180°	10417.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4055	4055	4055	4055	4055	
5°	4100	4037	4044	4023	4025	390
15°	4014	3960	4114	4267	4319	1136
25°	3872	3948	4023	3405	3127	1790
35°	3684	3624	2443	1682	1463	2310
45°	3382	2359	1192	1520	1831	2599
55°	2601	1210	1350	1452	1555	2291
65°	1255	784	1052	1278	1309	1269
75°	370	418	630	835	890	419
85°	52	178	357	486	494	66
90°	2	133	320	379	350	3
95°	0	124	221	196	185	0
105°	0	111	136	124	122	0
115°	0	92	131	117	111	1
125°	2	74	117	113	108	1
135°	2	52	93	102	99	1
145°	2	32	65	83	88	1
155°	4	20	40	52	63	1
165°	4	11	20	25	34	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°	4055.2	4055.2	4055.2	4055.2	4055.2
2.5°	4105.5	4046.3	4053.4	4040.9	4019.3
5°	4100.1	4037.3	4044.5	4022.9	4024.7
7.5°	4085.8	4021.1	4030.1	4026.5	4035.5
10°	4069.6	4001.4	4035.5	4066.0	4092.9
12.5°	4040.9	3979.8	4062.4	4152.2	4207.8
15°	4014.0	3960.1	4114.5	4267.1	4319.1
17.5°	3987.0	3952.9	4179.1	4311.9	4304.8
20°	3952.9	3949.3	4227.6	4182.7	4073.2
22.5°	3915.2	3951.1	4189.9	3861.4	3645.9
25°	3872.1	3947.5	4022.9	3405.4	3127.1
27.5°	3829.0	3931.4	3719.5	2906.3	2631.7
30°	3786.0	3888.3	3310.3	2450.4	2200.9
32.5°	3735.7	3794.9	2865.1	2046.5	1816.7
35°	3683.6	3624.4	2443.2	1682.1	1463.0
37.5°	3629.8	3378.5	2064.4	1362.5	1222.5
40°	3565.2	3069.7	1716.2	1168.6	1206.3
42.5°	3484.4	2721.4	1409.2	1226.1	1488.2
45°	3382.1	2358.8	1192.0	1520.5	1831.1
47.5°	3252.8	2010.6	1138.1	1741.3	1838.2
50°	3096.6	1691.0	1251.2	1669.5	1662.3
52.5°	2859.7	1425.3	1366.1	1522.3	1579.7
55°	2601.2	1209.9	1350.0	1452.3	1554.6
57.5°	2274.5	1064.5	1238.7	1437.9	1556.4
60°	1949.5	967.6	1143.5	1436.1	1547.4
62.5°	1590.5	879.6	1095.0	1402.0	1468.4
65°	1254.8	784.5	1052.0	1278.1	1308.7
67.5°	962.2	687.5	976.6	1139.9	1201.0
70°	725.2	592.4	858.1	1034.0	1109.4
72.5°	522.4	502.6	736.0	940.7	1019.6
75°	369.8	418.3	630.1	834.7	890.4
77.5°	254.9	341.1	540.3	718.1	762.9
80°	166.9	272.9	459.6	617.5	648.0
82.5°	100.5	219.0	398.5	540.3	556.5
85°	52.1	177.7	357.2	486.5	493.7
87.5°	16.2	149.0	333.9	461.4	470.3
90°	1.8	132.8	319.5	378.8	350.1
92.5°	0.0	125.7	276.5	258.5	231.6
95°	0.0	123.9	220.8	195.7	184.9
97.5°	0.0	120.3	181.3	163.4	158.0
100°	0.0	116.7	156.2	143.6	141.8
102.5°	0.0	114.9	141.8	131.0	129.3
105°	0.0	111.3	136.4	123.9	122.1
107.5°	0.0	105.9	132.8	120.3	116.7
110°	0.0	100.5	132.8	118.5	113.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	95.1	132.8	116.7	111.3
115°	0.0	91.6	131.0	116.7	111.3
117.5°	1.8	88.0	129.3	116.7	111.3
120°	0.0	84.4	125.7	116.7	109.5
122.5°	1.8	79.0	122.1	114.9	109.5
125°	1.8	73.6	116.7	113.1	107.7
127.5°	1.8	68.2	111.3	109.5	104.1
130°	1.8	62.8	105.9	107.7	102.3
132.5°	1.8	57.4	98.7	104.1	100.5
135°	1.8	52.1	93.3	102.3	98.7
137.5°	1.8	46.7	86.2	96.9	96.9
140°	1.8	41.3	79.0	93.3	95.1
142.5°	1.8	37.7	71.8	89.8	91.6
145°	1.8	32.3	64.6	82.6	88.0
147.5°	1.8	28.7	57.4	75.4	82.6
150°	1.8	25.1	50.3	68.2	75.4
152.5°	1.8	21.5	44.9	59.2	70.0
155°	3.6	19.7	39.5	52.1	62.8
157.5°	3.6	16.2	32.3	44.9	53.9
160°	3.6	14.4	28.7	37.7	48.5
162.5°	3.6	12.6	23.3	32.3	41.3
165°	3.6	10.8	19.7	25.1	34.1
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)