

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-LD5-170HL-UNV-L930-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 (P27410)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-170HL-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

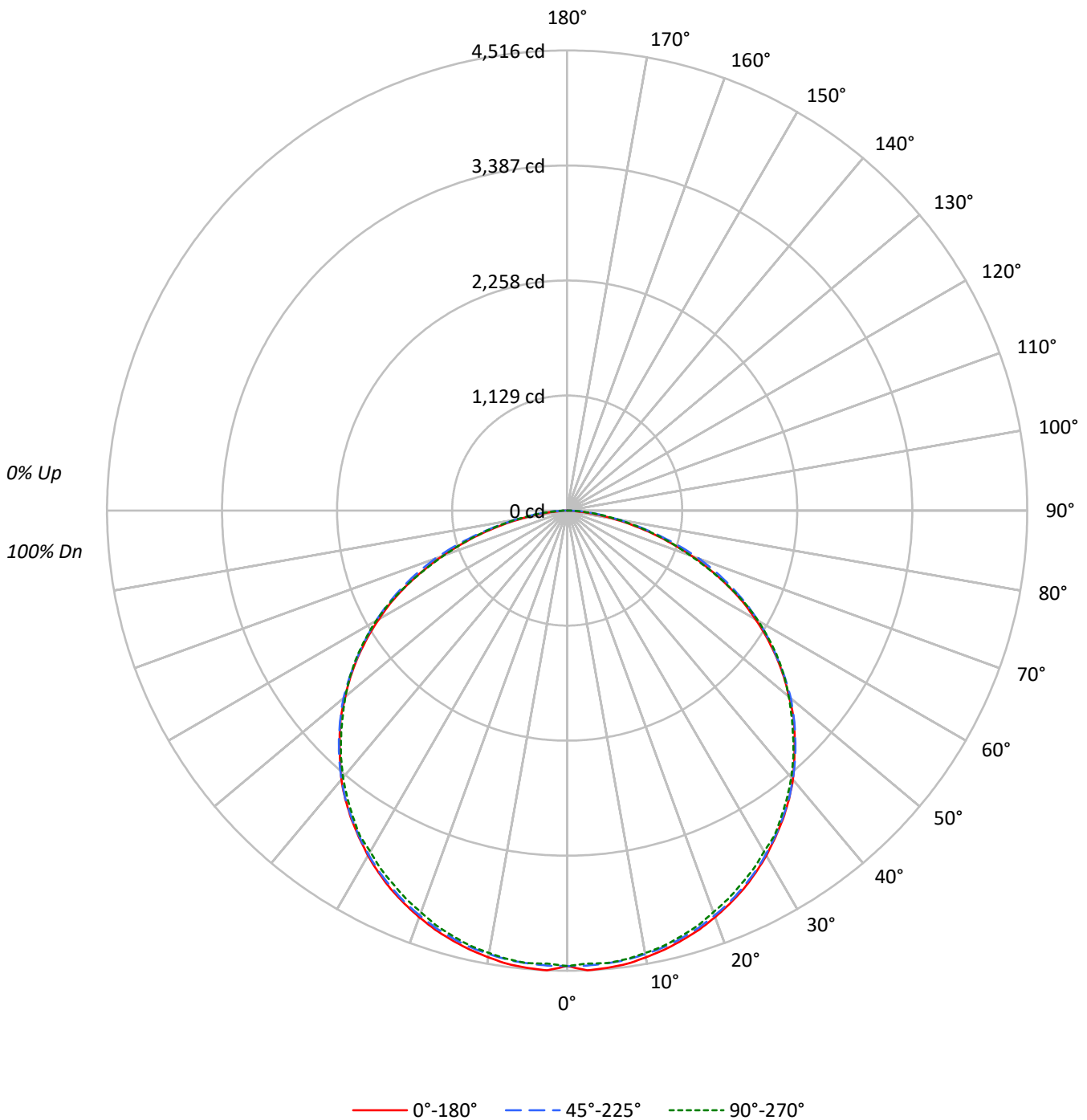
Lumens per Lamp: N/A  
Luminaire Lumens: 13408.0 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 124  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	18059	18059	18059
5°	18248	17665	17508
10°	18214	17294	16968
15°	18182	16920	16436
20°	18156	16520	15870
25°	18133	16117	15341
30°	18077	15684	14820
35°	18019	15234	14320
40°	17949	14751	13721
45°	17765	14174	13035
50°	17544	13547	12337
55°	17267	12700	11584
60°	16785	11839	10600
65°	16060	10715	9219
70°	14762	9229	7475
75°	12705	7064	5746
80°	9730	4671	3767
85°	5353	2288	1682



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	424.2	3.2
10°-20°	1223.4	9.1
20°-30°	1872.7	14.0
30°-40°	2294.4	17.1
40°-50°	2426.8	18.1
50°-60°	2240.1	16.7
60°-70°	1729.0	12.9
70°-80°	959.7	7.2
80°-90°	237.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3520.3	26.3
0°-40°	5814.7	43.4
0°-60°	10481.6	78.2
0°-90°	13408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13408.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4470	4470	4470	4470	4470	
5°	4505	4447	4461	4450	4458	428
15°	4365	4313	4345	4329	4324	1233
25°	4097	4048	4081	4046	4043	1888
35°	3693	3653	3686	3646	3666	2311
45°	3158	3128	3166	3133	3137	2437
55°	2506	2486	2515	2513	2526	2237
65°	1736	1718	1785	1774	1740	1712
75°	861	913	919	917	884	914
85°	136	201	205	208	192	183
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4469.6	4469.6	4469.6	4469.6	4469.6
2.5°	4516.5	4458.4	4469.6	4462.9	4449.5
5°	4505.3	4447.3	4460.7	4449.5	4458.4
7.5°	4487.4	4425.0	4447.3	4431.7	4440.6
10°	4451.7	4398.2	4420.5	4402.6	4409.3
12.5°	4413.8	4358.0	4389.3	4366.9	4375.9
15°	4364.7	4313.4	4344.6	4329.0	4324.5
17.5°	4311.2	4262.1	4293.3	4275.5	4268.8
20°	4246.4	4199.6	4228.6	4201.8	4195.1
22.5°	4175.0	4128.2	4161.7	4123.7	4125.9
25°	4096.9	4047.8	4081.3	4045.6	4043.4
27.5°	4007.7	3960.8	3996.5	3958.6	3963.1
30°	3909.5	3862.6	3898.3	3860.4	3864.9
32.5°	3802.4	3764.5	3795.7	3760.0	3784.5
35°	3693.0	3652.9	3686.4	3646.2	3666.3
37.5°	3574.8	3536.8	3572.5	3527.9	3545.8
40°	3447.6	3414.1	3445.4	3405.2	3420.8
42.5°	3300.3	3280.2	3311.5	3271.3	3284.7
45°	3157.5	3128.5	3166.4	3133.0	3137.4
47.5°	3014.7	2983.4	3019.1	2990.1	2987.9
50°	2842.9	2831.7	2865.2	2842.9	2840.6
52.5°	2680.0	2657.7	2693.4	2682.2	2688.9
55°	2505.9	2485.8	2514.8	2512.6	2526.0
57.5°	2325.2	2305.1	2343.0	2338.6	2349.7
60°	2133.3	2117.6	2166.7	2155.6	2164.5
62.5°	1945.8	1916.8	1979.3	1970.4	1965.9
65°	1736.1	1718.2	1785.2	1774.0	1740.5
67.5°	1519.6	1512.9	1582.1	1559.8	1504.0
70°	1303.2	1307.6	1374.6	1332.2	1285.3
72.5°	1075.6	1109.0	1149.2	1118.0	1084.5
75°	861.3	912.7	919.4	917.1	883.7
77.5°	651.6	716.3	700.7	716.3	689.5
80°	455.2	526.6	515.5	528.9	506.5
82.5°	281.2	345.9	348.1	357.0	336.9
85°	136.1	200.8	205.3	207.5	191.9
87.5°	29.0	93.7	96.0	89.3	78.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)