

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-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-LD5-130HL-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

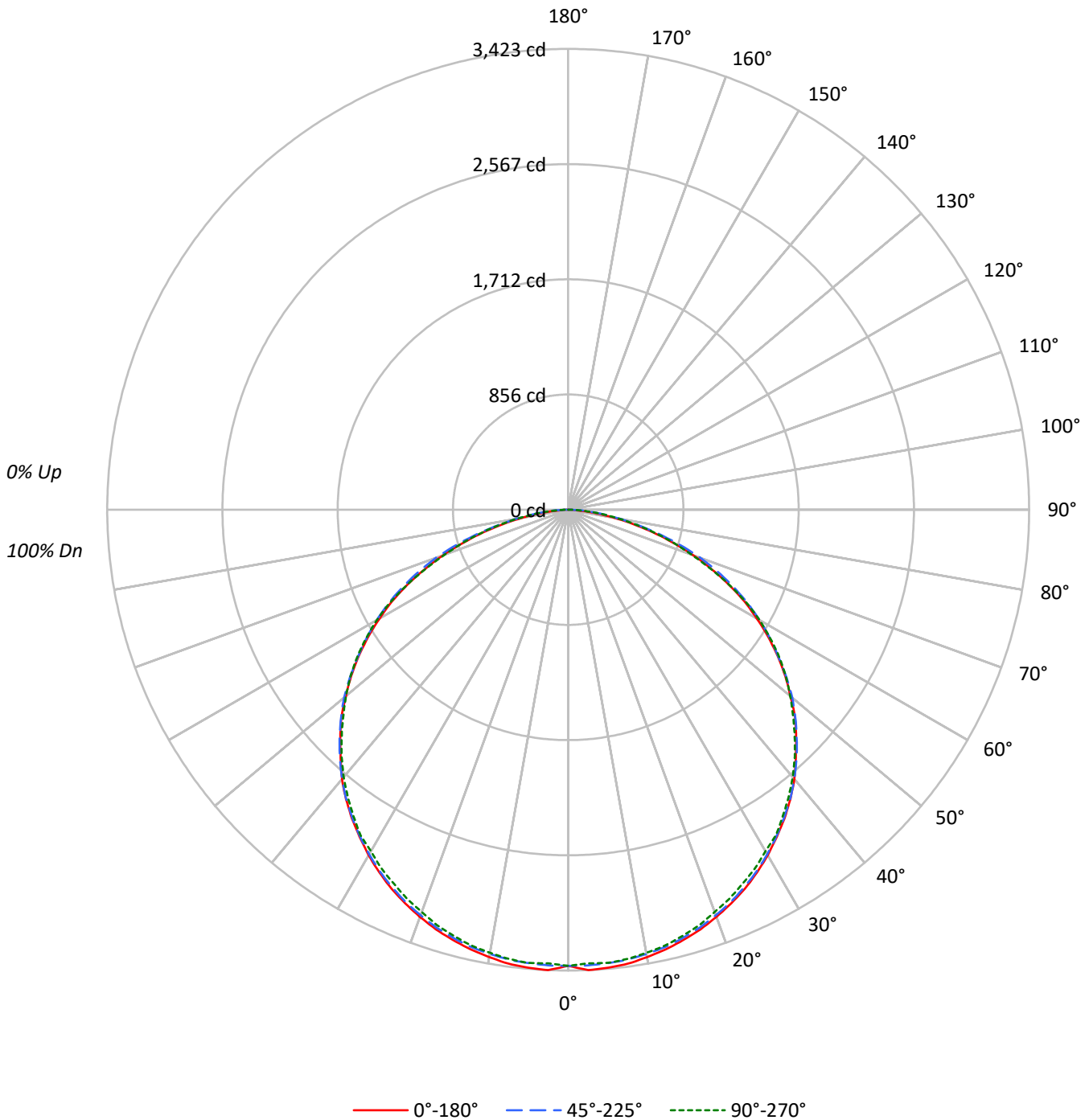
Lumens per Lamp: N/A  
Luminaire Lumens: 10163.0 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

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

	0°	45°	90°
0°	13689	13689	13689
5°	13832	13390	13271
10°	13806	13108	12861
15°	13781	12825	12458
20°	13762	12522	12029
25°	13744	12217	11628
30°	13702	11889	11233
35°	13658	11547	10855
40°	13605	11181	10400
45°	13465	10744	9880
50°	13297	10268	9351
55°	13088	9627	8781
60°	12723	8974	8035
65°	12173	8121	6988
70°	11189	6995	5666
75°	9631	5355	4355
80°	7374	3540	2855
85°	4059	1734	1275



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.6	3.2
10°-20°	927.3	9.1
20°-30°	1419.5	14.0
30°-40°	1739.1	17.1
40°-50°	1839.5	18.1
50°-60°	1697.9	16.7
60°-70°	1310.5	12.9
70°-80°	727.4	7.2
80°-90°	180.2	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°	2668.3	26.3
0°-40°	4407.4	43.4
0°-60°	7944.9	78.2
0°-90°	10163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10163.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3388	3388	3388	3388	3388	
5°	3415	3371	3381	3373	3379	325
15°	3308	3270	3293	3281	3278	934
25°	3105	3068	3094	3066	3065	1431
35°	2799	2769	2794	2764	2779	1751
45°	2393	2371	2400	2375	2378	1847
55°	1899	1884	1906	1904	1915	1695
65°	1316	1302	1353	1345	1319	1298
75°	653	692	697	695	670	693
85°	103	152	156	157	146	139
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3387.9	3387.9	3387.9	3387.9	3387.9
2.5°	3423.4	3379.4	3387.9	3382.8	3372.6
5°	3414.9	3370.9	3381.1	3372.6	3379.4
7.5°	3401.4	3354.0	3370.9	3359.1	3365.9
10°	3374.3	3333.7	3350.7	3337.1	3342.2
12.5°	3345.6	3303.3	3327.0	3310.1	3316.8
15°	3308.4	3269.5	3293.1	3281.3	3277.9
17.5°	3267.8	3230.6	3254.2	3240.7	3235.6
20°	3218.7	3183.2	3205.2	3184.9	3179.8
22.5°	3164.6	3129.1	3154.4	3125.7	3127.4
25°	3105.4	3068.2	3093.6	3066.5	3064.8
27.5°	3037.7	3002.2	3029.3	3000.5	3003.9
30°	2963.3	2927.8	2954.9	2926.1	2929.5
32.5°	2882.1	2853.4	2877.1	2850.0	2868.6
35°	2799.3	2768.8	2794.2	2763.7	2779.0
37.5°	2709.6	2680.9	2707.9	2674.1	2687.6
40°	2613.2	2587.8	2611.5	2581.1	2592.9
42.5°	2501.6	2486.3	2510.0	2479.6	2489.7
45°	2393.3	2371.3	2400.1	2374.7	2378.1
47.5°	2285.1	2261.4	2288.5	2266.5	2264.8
50°	2154.8	2146.4	2171.7	2154.8	2153.1
52.5°	2031.4	2014.4	2041.5	2033.1	2038.1
55°	1899.4	1884.2	1906.2	1904.5	1914.7
57.5°	1762.4	1747.2	1776.0	1772.6	1781.0
60°	1617.0	1605.1	1642.3	1633.9	1640.7
62.5°	1474.9	1452.9	1500.3	1493.5	1490.1
65°	1315.9	1302.4	1353.1	1344.7	1319.3
67.5°	1151.8	1146.8	1199.2	1182.3	1140.0
70°	987.8	991.2	1041.9	1009.8	974.2
72.5°	815.3	840.6	871.1	847.4	822.0
75°	652.9	691.8	696.9	695.2	669.8
77.5°	493.9	542.9	531.1	542.9	522.6
80°	345.0	399.2	390.7	400.9	383.9
82.5°	213.1	262.2	263.9	270.6	255.4
85°	103.2	152.2	155.6	157.3	145.5
87.5°	22.0	71.0	72.7	67.7	59.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)