

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-LD5-120SL-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-LD5-120SL-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

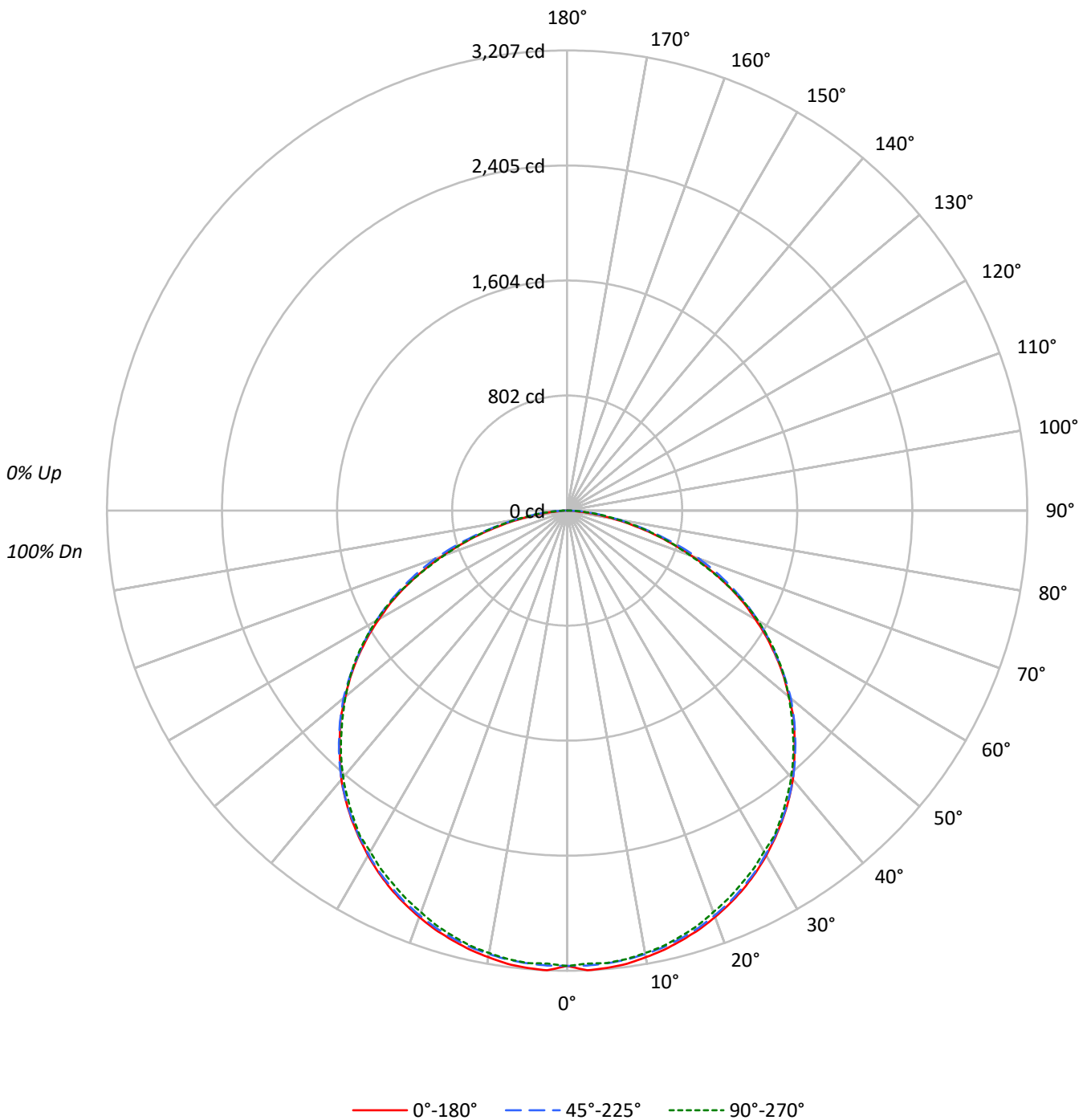
Lumens per Lamp: N/A  
Luminaire Lumens: 9520.0 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 92  
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°	12823	12823	12823
5°	12957	12543	12431
10°	12933	12279	12047
15°	12909	12014	11670
20°	12891	11729	11268
25°	12875	11444	10892
30°	12835	11136	10522
35°	12794	10816	10167
40°	12744	10473	9743
45°	12613	10064	9255
50°	12456	9618	8759
55°	12261	9018	8225
60°	11918	8406	7526
65°	11402	7608	6546
70°	10481	6553	5307
75°	9022	5016	4079
80°	6908	3316	2675
85°	3800	1625	1194



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	301.2	3.2
10°-20°	868.6	9.1
20°-30°	1329.7	14.0
30°-40°	1629.1	17.1
40°-50°	1723.1	18.1
50°-60°	1590.5	16.7
60°-70°	1227.6	12.9
70°-80°	681.4	7.2
80°-90°	168.8	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°	2499.5	26.3
0°-40°	4128.6	43.4
0°-60°	7442.2	78.2
0°-90°	9520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9520.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3174	3174	3174	3174	3174	
5°	3199	3158	3167	3159	3166	304
15°	3099	3063	3085	3074	3070	875
25°	2909	2874	2898	2872	2871	1341
35°	2622	2594	2617	2589	2603	1641
45°	2242	2221	2248	2224	2228	1730
55°	1779	1765	1786	1784	1794	1588
65°	1233	1220	1268	1260	1236	1215
75°	612	648	653	651	627	649
85°	97	143	146	147	136	130
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3173.5	3173.5	3173.5	3173.5	3173.5
2.5°	3206.8	3165.6	3173.5	3168.8	3159.3
5°	3198.9	3157.7	3167.2	3159.3	3165.6
7.5°	3186.2	3141.8	3157.7	3146.6	3152.9
10°	3160.8	3122.8	3138.7	3126.0	3130.7
12.5°	3133.9	3094.3	3116.5	3100.6	3107.0
15°	3099.0	3062.6	3084.8	3073.7	3070.5
17.5°	3061.0	3026.2	3048.3	3035.7	3030.9
20°	3015.1	2981.8	3002.4	2983.4	2978.6
22.5°	2964.4	2931.1	2954.9	2927.9	2929.5
25°	2908.9	2874.1	2897.8	2872.5	2870.9
27.5°	2845.5	2812.3	2837.6	2810.7	2813.9
30°	2775.8	2742.6	2767.9	2741.0	2744.1
32.5°	2699.8	2672.9	2695.0	2669.7	2687.1
35°	2622.2	2593.6	2617.4	2588.9	2603.1
37.5°	2538.2	2511.2	2536.6	2504.9	2517.6
40°	2447.9	2424.1	2446.3	2417.8	2428.9
42.5°	2343.3	2329.0	2351.2	2322.7	2332.2
45°	2241.9	2221.3	2248.2	2224.5	2227.6
47.5°	2140.5	2118.3	2143.7	2123.1	2121.5
50°	2018.5	2010.6	2034.3	2018.5	2016.9
52.5°	1902.8	1887.0	1912.3	1904.4	1909.2
55°	1779.3	1765.0	1785.6	1784.0	1793.5
57.5°	1650.9	1636.7	1663.6	1660.4	1668.4
60°	1514.7	1503.6	1538.4	1530.5	1536.8
62.5°	1381.6	1361.0	1405.3	1399.0	1395.8
65°	1232.6	1220.0	1267.5	1259.6	1235.8
67.5°	1079.0	1074.2	1123.3	1107.5	1067.9
70°	925.3	928.4	976.0	945.9	912.6
72.5°	763.7	787.4	816.0	793.8	770.0
75°	611.6	648.0	652.8	651.2	627.4
77.5°	462.6	508.6	497.5	508.6	489.6
80°	323.2	373.9	366.0	375.5	359.7
82.5°	199.6	245.6	247.2	253.5	239.2
85°	96.6	142.6	145.8	147.3	136.3
87.5°	20.6	66.5	68.1	63.4	55.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)