

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: P218619

Luminaire Tested: **8TSNLED-LD5-120HL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218619  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35747)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8TSNLED-LD5-120HL-RW-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9695.0 lumens  
Efficiency: N/A  
Efficacy: 112.9 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 0.85 / 0.95  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Direct

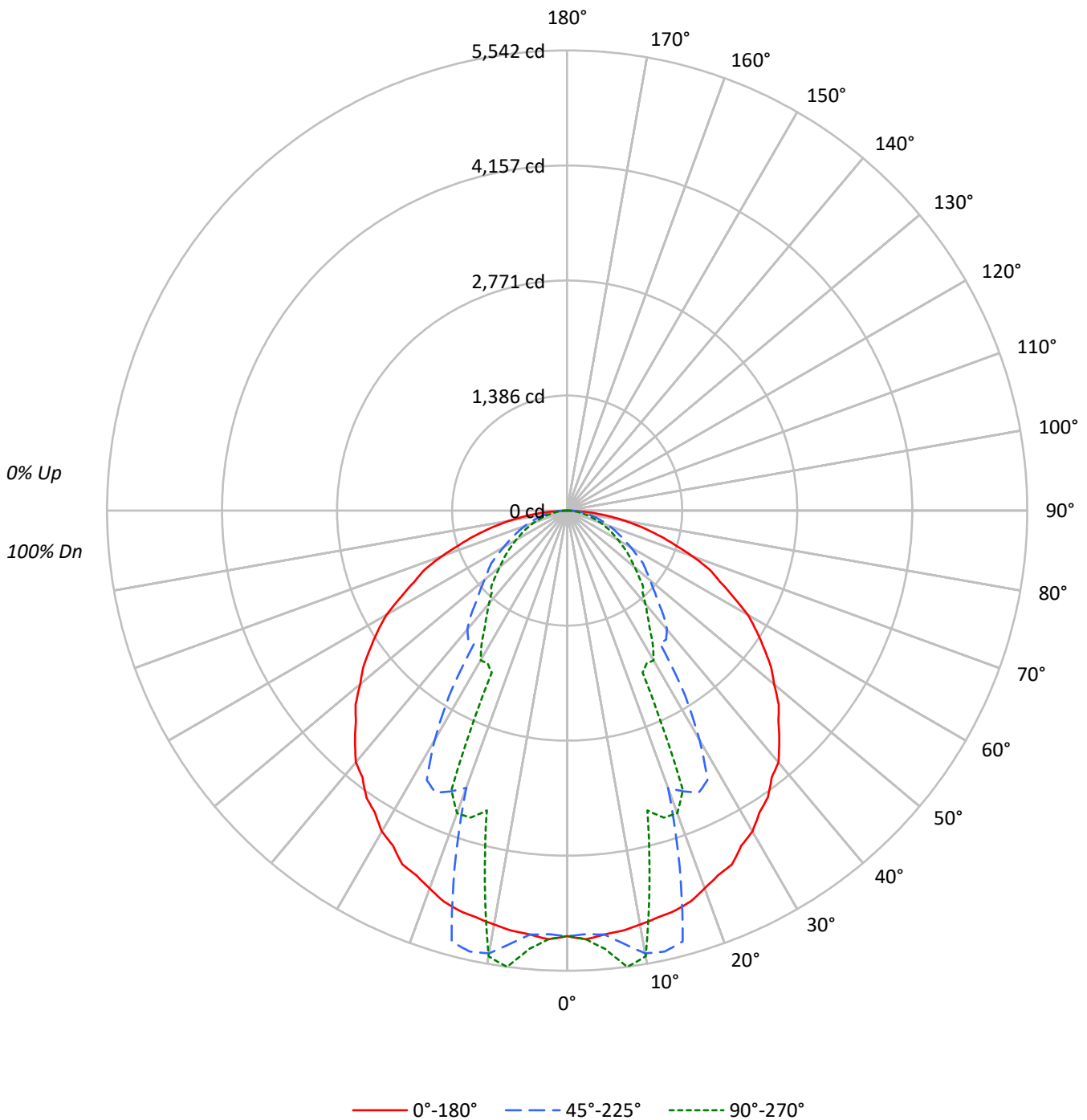
Input Watts (W): 85.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37	36
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

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

	0°	45°	90°
0°	41294	41294	41294
5°	41377	38978	39423
10°	41272	39296	37915
15°	41411	37556	24588
20°	41201	24136	24377
25°	41381	24928	13040
30°	41022	20967	12285
35°	40855	12750	10026
40°	40908	12241	8391
45°	40169	10238	7375
50°	39790	8762	6087
55°	39485	7739	5132
60°	39073	6331	4205
65°	37118	5235	3445
70°	35684	4243	2700
75°	32657	3297	1923
80°	29152	2366	1242
85°	21927	1505	538



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	500.3	5.2
10°-20°	1339.9	13.8
20°-30°	1733.5	17.9
30°-40°	1646.1	17.0
40°-50°	1584.5	16.3
50°-60°	1258.9	13.0
60°-70°	916.1	9.4
70°-80°	533.0	5.5
80°-90°	182.8	1.9
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°	3573.6	36.9
0°-40°	5219.7	53.8
0°-60°	8063.2	83.2
0°-90°	9695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9695.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5125	5125	5125	5125	5125	
5°	5125	5114	5124	5245	5301	488
15°	4992	5227	5373	4195	3738	1408
25°	4700	4985	3748	3026	2151	2153
35°	4214	3245	1952	1813	1733	2630
45°	3599	3060	1547	1311	1295	2789
55°	2895	1742	1119	911	887	2591
65°	2034	1078	700	589	568	2032
75°	1131	568	391	320	292	1200
85°	294	238	151	99	72	343
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5125.4	5125.4	5125.4	5125.4	5125.4
2.5°	5168.2	5128.3	5106.2	5109.1	5166.7
5°	5125.4	5113.6	5123.9	5244.9	5301.0
7.5°	5103.2	5078.1	5261.2	5469.3	5541.7
10°	5063.4	5132.7	5414.7	5500.3	5451.6
12.5°	5022.0	5174.1	5438.3	4881.8	4576.2
15°	4992.5	5227.2	5373.4	4195.4	3737.7
17.5°	4937.9	5261.2	4514.2	3725.9	3878.0
20°	4841.9	5244.9	3554.7	3885.4	3878.0
22.5°	4753.4	5153.4	3659.5	3810.1	3640.3
25°	4700.2	4985.1	3748.1	3026.2	2150.8
27.5°	4546.7	4573.3	3661.0	2100.6	2075.5
30°	4462.6	4171.7	3193.0	2062.3	2082.9
32.5°	4312.0	3709.7	2645.3	1987.0	1920.5
35°	4214.5	3244.7	1951.5	1812.8	1733.1
37.5°	4049.2	3268.3	1957.4	1662.2	1586.9
40°	3957.7	3289.0	1868.9	1517.5	1467.3
42.5°	3782.0	3210.7	1721.2	1399.4	1344.8
45°	3599.0	3060.2	1547.1	1310.9	1294.6
47.5°	3454.3	2636.5	1418.6	1226.7	1167.7
50°	3253.5	2096.2	1300.5	1114.5	1064.3
52.5°	3095.6	1784.7	1204.6	1017.1	969.9
55°	2894.8	1741.9	1119.0	910.8	887.2
57.5°	2705.9	1594.3	992.0	826.7	789.8
60°	2512.5	1411.2	884.2	745.5	713.0
62.5°	2260.1	1220.8	789.8	662.8	631.8
65°	2034.2	1077.6	699.7	589.0	568.3
67.5°	1858.5	966.9	618.5	516.7	488.6
70°	1601.7	842.9	537.3	447.3	429.6
72.5°	1347.8	687.9	462.1	385.3	352.8
75°	1130.8	568.3	391.2	320.3	292.3
77.5°	918.2	475.3	324.8	262.8	233.2
80°	702.7	386.8	259.8	205.2	178.6
82.5°	497.5	308.5	203.7	149.1	125.5
85°	293.8	237.7	150.6	98.9	72.3
87.5°	116.6	178.6	98.9	48.7	25.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)