

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

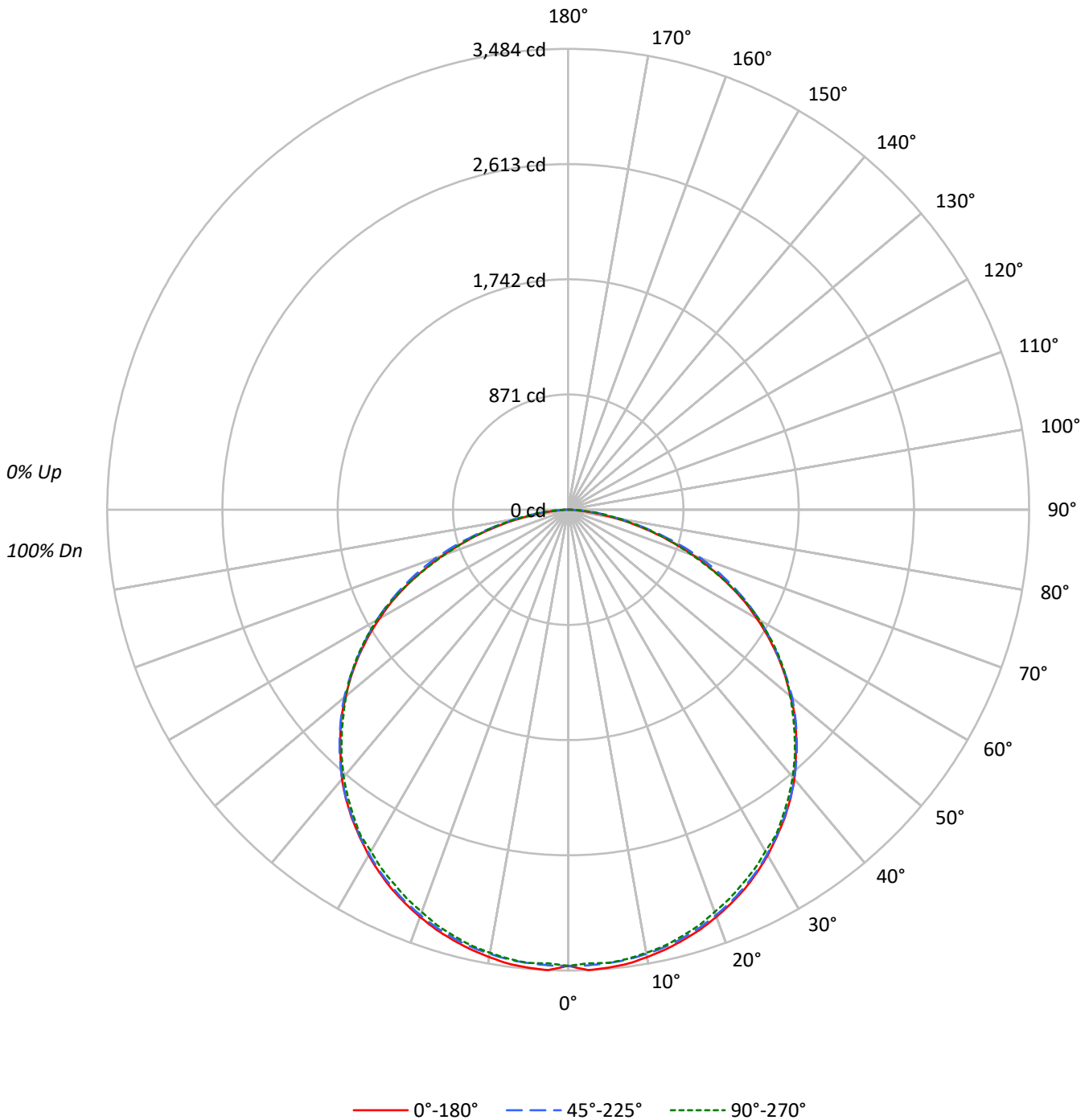
Lumens per Lamp: N/A
Luminaire Lumens: 10344.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-120SL-UNV-L940-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-UNV-L940-CD1-U

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°	13932	13932	13932
5°	14078	13628	13507
10°	14052	13342	13090
15°	14027	13054	12680
20°	14007	12745	12244
25°	13989	12434	11835
30°	13946	12100	11433
35°	13901	11752	11048
40°	13847	11380	10586
45°	13705	10935	10056
50°	13534	10451	9518
55°	13322	9798	8937
60°	12949	9134	8178
65°	12389	8266	7113
70°	11389	7120	5767
75°	9802	5450	4433
80°	7507	3604	2906
85°	4130	1765	1298



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-UNV-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.3	3.2
10°-20°	943.8	9.1
20°-30°	1444.7	14.0
30°-40°	1770.1	17.1
40°-50°	1872.3	18.1
50°-60°	1728.2	16.7
60°-70°	1333.9	12.9
70°-80°	740.4	7.2
80°-90°	183.4	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°	2715.8	26.3
0°-40°	4485.9	43.4
0°-60°	8086.4	78.2
0°-90°	10344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10344.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3448	3448	3448	3448	3448	
5°	3476	3431	3441	3433	3440	330
15°	3367	3328	3352	3340	3336	951
25°	3161	3123	3149	3121	3119	1457
35°	2849	2818	2844	2813	2828	1783
45°	2436	2414	2443	2417	2420	1880
55°	1933	1918	1940	1938	1949	1726
65°	1339	1326	1377	1369	1343	1321
75°	664	704	709	708	682	705
85°	105	155	158	160	148	141
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3448.2	3448.2	3448.2	3448.2	3448.2
2.5°	3484.4	3439.6	3448.2	3443.0	3432.7
5°	3475.7	3431.0	3441.3	3432.7	3439.6
7.5°	3462.0	3413.8	3431.0	3418.9	3425.8
10°	3434.4	3393.1	3410.3	3396.6	3401.7
12.5°	3405.2	3362.1	3386.2	3369.0	3375.9
15°	3367.3	3327.7	3351.8	3339.7	3336.3
17.5°	3326.0	3288.1	3312.2	3298.4	3293.3
20°	3276.0	3239.9	3262.3	3241.6	3236.5
22.5°	3221.0	3184.8	3210.6	3181.4	3183.1
25°	3160.7	3122.8	3148.7	3121.1	3119.4
27.5°	3091.8	3055.7	3083.2	3054.0	3057.4
30°	3016.1	2979.9	3007.5	2978.2	2981.7
32.5°	2933.5	2904.2	2928.3	2900.8	2919.7
35°	2849.1	2818.1	2843.9	2813.0	2828.5
37.5°	2757.9	2728.6	2756.1	2721.7	2735.5
40°	2659.7	2633.9	2658.0	2627.0	2639.1
42.5°	2546.1	2530.6	2554.7	2523.7	2534.1
45°	2435.9	2413.6	2442.8	2417.0	2420.5
47.5°	2325.8	2301.7	2329.2	2306.8	2305.1
50°	2193.2	2184.6	2210.4	2193.2	2191.5
52.5°	2067.5	2050.3	2077.9	2069.3	2074.4
55°	1933.3	1917.8	1940.1	1938.4	1948.8
57.5°	1793.8	1778.3	1807.6	1804.1	1812.8
60°	1645.8	1633.7	1671.6	1663.0	1669.9
62.5°	1501.2	1478.8	1527.0	1520.1	1516.7
65°	1339.3	1325.6	1377.2	1368.6	1342.8
67.5°	1172.4	1167.2	1220.6	1203.3	1160.3
70°	1005.4	1008.8	1060.5	1027.7	991.6
72.5°	829.8	855.6	886.6	862.5	836.7
75°	664.5	704.1	709.3	707.5	681.7
77.5°	502.7	552.6	540.6	552.6	531.9
80°	351.2	406.3	397.7	408.0	390.8
82.5°	216.9	266.8	268.6	275.4	259.9
85°	105.0	154.9	158.4	160.1	148.1
87.5°	22.4	72.3	74.0	68.9	60.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)