

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-L935-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-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

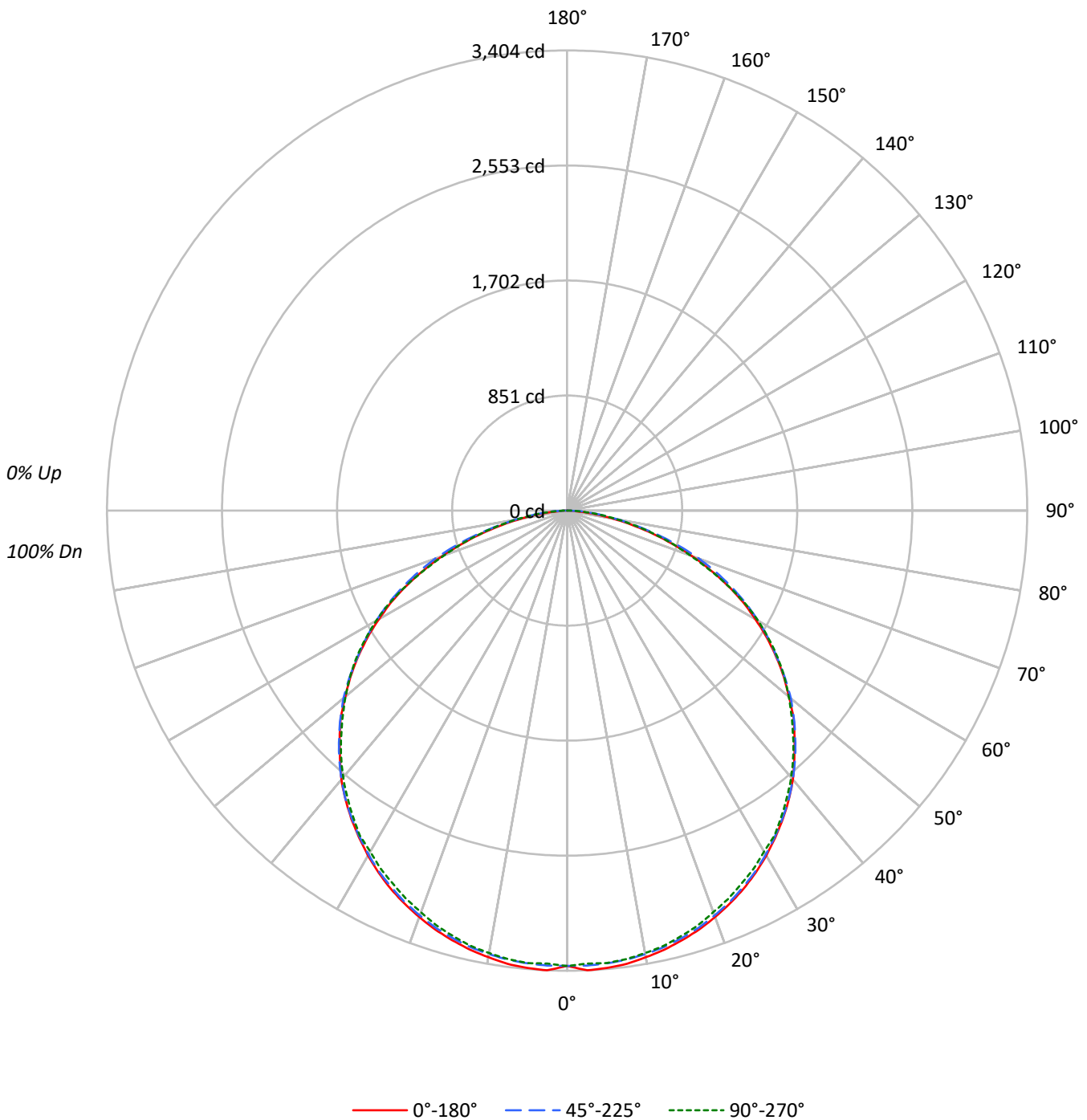
Lumens per Lamp: N/A
Luminaire Lumens: 10105.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	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°	13610	13610	13610
5°	13753	13313	13195
10°	13728	13033	12788
15°	13703	12752	12387
20°	13683	12450	11961
25°	13666	12147	11562
30°	13624	11821	11169
35°	13580	11481	10792
40°	13527	11117	10341
45°	13389	10683	9824
50°	13221	10210	9298
55°	13014	9572	8730
60°	12650	8923	7989
65°	12104	8075	6948
70°	11125	6955	5634
75°	9576	5324	4330
80°	7334	3520	2839
85°	4036	1724	1267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.7	3.2
10°-20°	922.0	9.1
20°-30°	1411.4	14.0
30°-40°	1729.2	17.1
40°-50°	1829.0	18.1
50°-60°	1688.3	16.7
60°-70°	1303.1	12.9
70°-80°	723.3	7.2
80°-90°	179.2	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°	2653.1	26.3
0°-40°	4382.3	43.4
0°-60°	7899.5	78.2
0°-90°	10105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10105.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3368	3368	3368	3368	3368	
5°	3395	3352	3362	3353	3360	323
15°	3290	3251	3274	3263	3259	929
25°	3088	3051	3076	3049	3047	1423
35°	2783	2753	2778	2748	2763	1741
45°	2380	2358	2386	2361	2364	1836
55°	1889	1874	1895	1894	1904	1686
65°	1308	1295	1345	1337	1312	1290
75°	649	688	693	691	666	689
85°	103	151	155	156	145	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3368.5	3368.5	3368.5	3368.5	3368.5
2.5°	3403.8	3360.1	3368.5	3363.5	3353.4
5°	3395.4	3351.7	3361.8	3353.4	3360.1
7.5°	3382.0	3334.9	3351.7	3339.9	3346.7
10°	3355.1	3314.7	3331.5	3318.1	3323.1
12.5°	3326.5	3284.4	3308.0	3291.2	3297.9
15°	3289.5	3250.8	3274.3	3262.6	3259.2
17.5°	3249.1	3212.1	3235.7	3222.2	3217.2
20°	3200.4	3165.0	3186.9	3166.7	3161.7
22.5°	3146.5	3111.2	3136.4	3107.9	3109.5
25°	3087.7	3050.7	3075.9	3049.0	3047.3
27.5°	3020.4	2985.1	3012.0	2983.4	2986.8
30°	2946.4	2911.1	2938.0	2909.4	2912.8
32.5°	2865.7	2837.1	2860.6	2833.7	2852.2
35°	2783.3	2753.0	2778.2	2748.0	2763.1
37.5°	2694.1	2665.6	2692.5	2658.8	2672.3
40°	2598.3	2573.1	2596.6	2566.3	2578.1
42.5°	2487.3	2472.2	2495.7	2465.4	2475.5
45°	2379.7	2357.8	2386.4	2361.2	2364.5
47.5°	2272.0	2248.5	2275.4	2253.5	2251.9
50°	2142.5	2134.1	2159.4	2142.5	2140.9
52.5°	2019.8	2003.0	2029.9	2021.5	2026.5
55°	1888.6	1873.5	1895.3	1893.6	1903.7
57.5°	1752.4	1737.2	1765.8	1762.5	1770.9
60°	1607.7	1596.0	1633.0	1624.6	1631.3
62.5°	1466.5	1444.6	1491.7	1485.0	1481.6
65°	1308.4	1294.9	1345.4	1337.0	1311.8
67.5°	1145.3	1140.2	1192.4	1175.5	1133.5
70°	982.1	985.5	1036.0	1004.0	968.7
72.5°	810.6	835.8	866.1	842.6	817.3
75°	649.2	687.8	692.9	691.2	666.0
77.5°	491.1	539.8	528.1	539.8	519.7
80°	343.1	396.9	388.5	398.6	381.8
82.5°	211.9	260.7	262.4	269.1	253.9
85°	102.6	151.4	154.7	156.4	144.6
87.5°	21.9	70.6	72.3	67.3	58.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)