

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-LD5-104SL-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-LD5-104SL-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

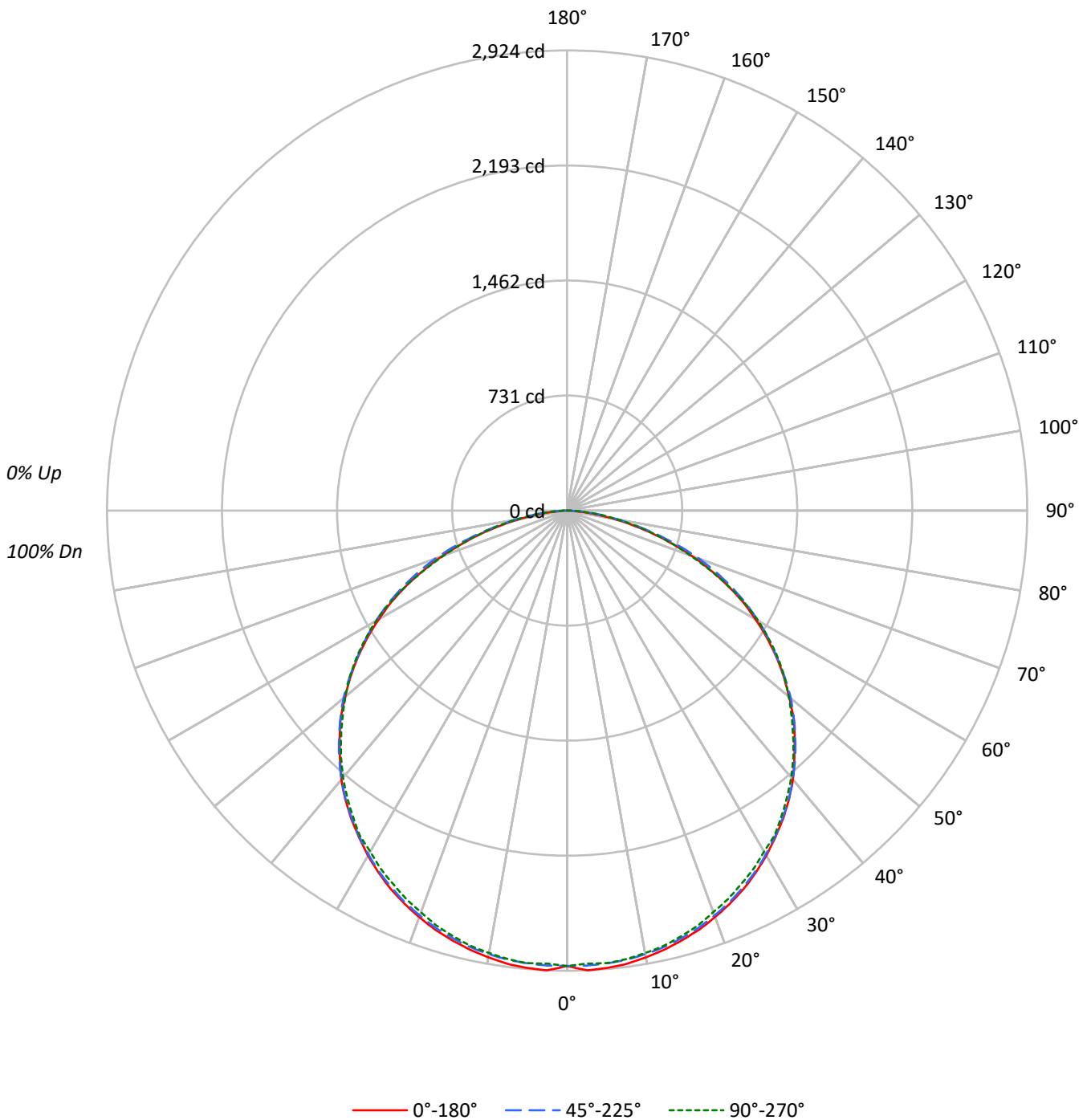
Lumens per Lamp: N/A
Luminaire Lumens: 8681.0 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 75
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°	11692	11692	11692
5°	11815	11437	11336
10°	11793	11196	10986
15°	11772	10955	10642
20°	11755	10696	10275
25°	11740	10435	9933
30°	11704	10155	9595
35°	11667	9863	9271
40°	11621	9550	8884
45°	11502	9177	8439
50°	11358	8771	7988
55°	11180	8223	7500
60°	10867	7666	6863
65°	10398	6937	5969
70°	9557	5975	4840
75°	8227	4573	3720
80°	6299	3024	2439
85°	3465	1481	1088



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.7	3.2
10°-20°	792.1	9.1
20°-30°	1212.5	14.0
30°-40°	1485.5	17.1
40°-50°	1571.3	18.1
50°-60°	1450.3	16.7
60°-70°	1119.4	12.9
70°-80°	621.3	7.2
80°-90°	153.9	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°	2279.2	26.3
0°-40°	3764.7	43.4
0°-60°	6786.3	78.2
0°-90°	8681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8681.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2894	2894	2894	2894	2894	
5°	2917	2879	2888	2881	2887	277
15°	2826	2793	2813	2803	2800	798
25°	2653	2621	2642	2619	2618	1223
35°	2391	2365	2387	2361	2374	1496
45°	2044	2026	2050	2028	2031	1578
55°	1622	1610	1628	1627	1636	1448
65°	1124	1112	1156	1149	1127	1108
75°	558	591	595	594	572	592
85°	88	130	133	134	124	119
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2893.8	2893.8	2893.8	2893.8	2893.8
2.5°	2924.2	2886.6	2893.8	2889.5	2880.8
5°	2916.9	2879.4	2888.1	2880.8	2886.6
7.5°	2905.4	2864.9	2879.4	2869.3	2875.1
10°	2882.3	2847.6	2862.0	2850.5	2854.8
12.5°	2857.7	2821.6	2841.8	2827.4	2833.2
15°	2825.9	2792.7	2812.9	2802.8	2799.9
17.5°	2791.3	2759.5	2779.7	2768.1	2763.8
20°	2749.4	2719.0	2737.8	2720.5	2716.1
22.5°	2703.1	2672.8	2694.5	2669.9	2671.3
25°	2652.6	2620.8	2642.4	2619.3	2617.9
27.5°	2594.8	2564.4	2587.5	2563.0	2565.9
30°	2531.2	2500.9	2524.0	2499.4	2502.3
32.5°	2461.9	2437.3	2457.5	2434.4	2450.3
35°	2391.1	2365.1	2386.7	2360.7	2373.7
37.5°	2314.5	2289.9	2313.0	2284.1	2295.7
40°	2232.1	2210.5	2230.7	2204.7	2214.8
42.5°	2136.8	2123.8	2144.0	2118.0	2126.7
45°	2044.3	2025.5	2050.1	2028.4	2031.3
47.5°	1951.9	1931.6	1954.7	1936.0	1934.5
50°	1840.6	1833.4	1855.1	1840.6	1839.2
52.5°	1735.1	1720.7	1743.8	1736.6	1740.9
55°	1622.5	1609.5	1628.2	1626.8	1635.5
57.5°	1505.4	1492.4	1517.0	1514.1	1521.3
60°	1381.2	1371.1	1402.9	1395.6	1401.4
62.5°	1259.8	1241.0	1281.5	1275.7	1272.8
65°	1124.0	1112.5	1155.8	1148.6	1126.9
67.5°	983.9	979.5	1024.3	1009.9	973.8
70°	843.7	846.6	890.0	862.5	832.2
72.5°	696.4	718.0	744.0	723.8	702.1
75°	557.7	590.9	595.2	593.8	572.1
77.5°	421.9	463.8	453.7	463.8	446.4
80°	294.7	341.0	333.7	342.4	328.0
82.5°	182.0	223.9	225.4	231.2	218.2
85°	88.1	130.0	132.9	134.4	124.2
87.5°	18.8	60.7	62.1	57.8	50.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)