

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-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-LD5-104SL-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

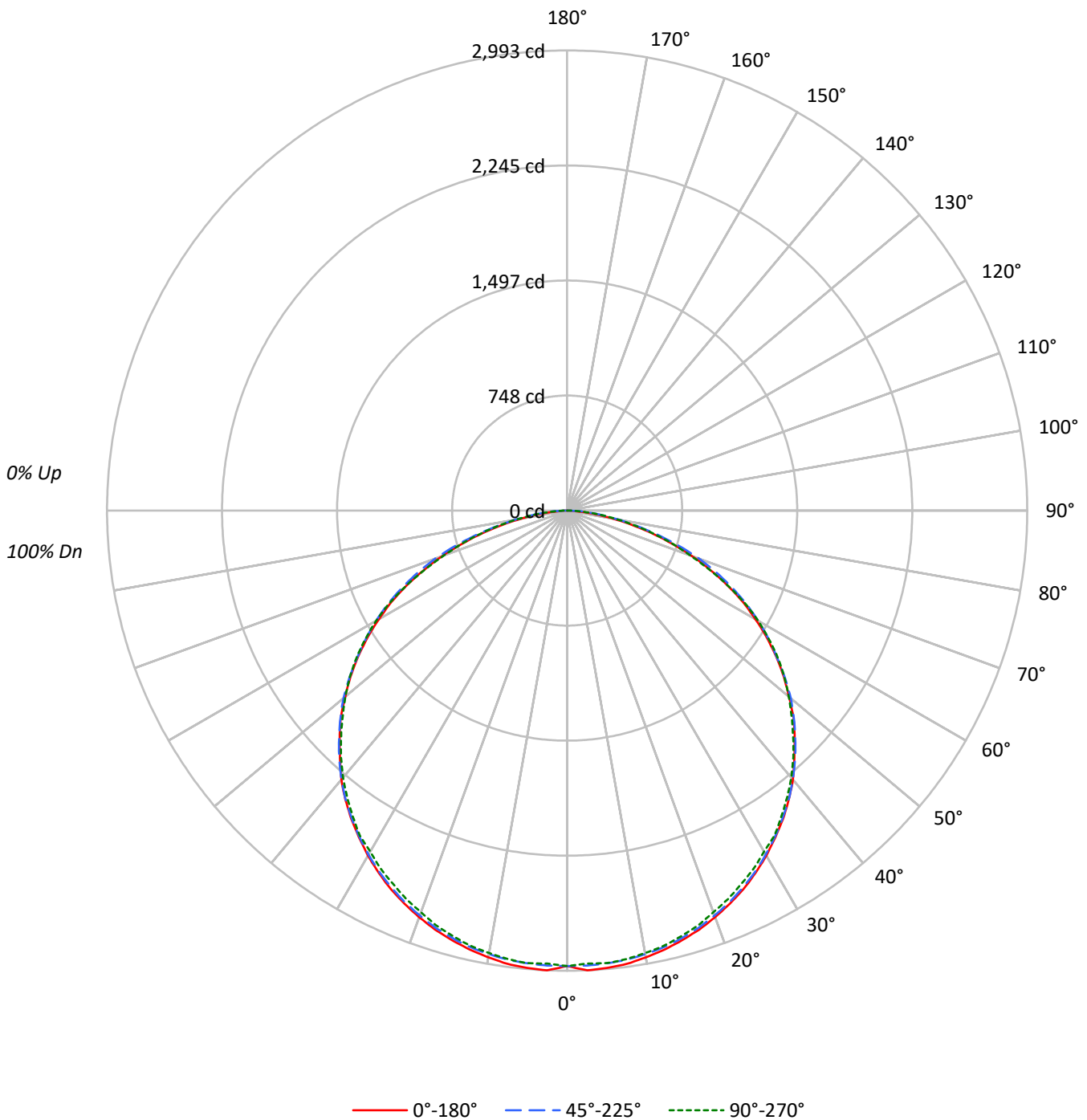
Lumens per Lamp: N/A
Luminaire Lumens: 8886.0 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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°	11969	11969	11969
5°	12094	11707	11603
10°	12071	11461	11245
15°	12050	11214	10893
20°	12033	10948	10518
25°	12017	10681	10167
30°	11980	10395	9822
35°	11942	10096	9491
40°	11895	9776	9094
45°	11773	9394	8639
50°	11627	8978	8176
55°	11444	8417	7677
60°	11124	7847	7025
65°	10644	7101	6110
70°	9783	6116	4954
75°	8420	4681	3808
80°	6449	3095	2496
85°	3548	1517	1115



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.2	3.2
10°-20°	810.8	9.1
20°-30°	1241.1	14.0
30°-40°	1520.6	17.1
40°-50°	1608.4	18.1
50°-60°	1484.6	16.7
60°-70°	1145.9	12.9
70°-80°	636.0	7.2
80°-90°	157.5	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°	2333.0	26.3
0°-40°	3853.6	43.4
0°-60°	6946.6	78.2
0°-90°	8886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8886.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2962	2962	2962	2962	2962	
5°	2986	2947	2956	2949	2955	284
15°	2893	2859	2879	2869	2866	817
25°	2715	2683	2705	2681	2680	1251
35°	2448	2421	2443	2416	2430	1531
45°	2093	2073	2098	2076	2079	1615
55°	1661	1648	1667	1665	1674	1482
65°	1151	1139	1183	1176	1154	1135
75°	571	605	609	608	586	606
85°	90	133	136	138	127	121
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2962.2	2962.2	2962.2	2962.2	2962.2
2.5°	2993.2	2954.8	2962.2	2957.7	2948.9
5°	2985.8	2947.4	2956.3	2948.9	2954.8
7.5°	2974.0	2932.6	2947.4	2937.0	2942.9
10°	2950.3	2914.8	2929.6	2917.8	2922.2
12.5°	2925.2	2888.2	2908.9	2894.1	2900.1
15°	2892.7	2858.6	2879.4	2869.0	2866.0
17.5°	2857.2	2824.6	2845.3	2833.5	2829.1
20°	2814.3	2783.2	2802.5	2784.7	2780.3
22.5°	2767.0	2735.9	2758.1	2732.9	2734.4
25°	2715.2	2682.7	2704.8	2681.2	2679.7
27.5°	2656.0	2625.0	2648.7	2623.5	2626.5
30°	2591.0	2559.9	2583.6	2558.4	2561.4
32.5°	2520.0	2494.8	2515.6	2491.9	2508.2
35°	2447.5	2420.9	2443.1	2416.5	2429.8
37.5°	2369.1	2344.0	2367.7	2338.1	2349.9
40°	2284.8	2262.7	2283.4	2256.8	2267.1
42.5°	2187.2	2173.9	2194.6	2168.0	2176.9
45°	2092.6	2073.4	2098.5	2076.3	2079.3
47.5°	1997.9	1977.2	2000.9	1981.7	1980.2
50°	1884.1	1876.7	1898.9	1884.1	1882.6
52.5°	1776.1	1761.3	1785.0	1777.6	1782.0
55°	1660.8	1647.5	1666.7	1665.2	1674.1
57.5°	1541.0	1527.7	1552.8	1549.9	1557.2
60°	1413.8	1403.4	1436.0	1428.6	1434.5
62.5°	1289.6	1270.3	1311.8	1305.8	1302.9
65°	1150.6	1138.7	1183.1	1175.7	1153.5
67.5°	1007.1	1002.7	1048.5	1033.7	996.8
70°	863.7	866.6	911.0	882.9	851.8
72.5°	712.8	735.0	761.6	740.9	718.7
75°	570.8	604.9	609.3	607.8	585.6
77.5°	431.8	474.7	464.4	474.7	457.0
80°	301.7	349.0	341.6	350.5	335.7
82.5°	186.3	229.2	230.7	236.6	223.3
85°	90.2	133.1	136.1	137.5	127.2
87.5°	19.2	62.1	63.6	59.2	51.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)