

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

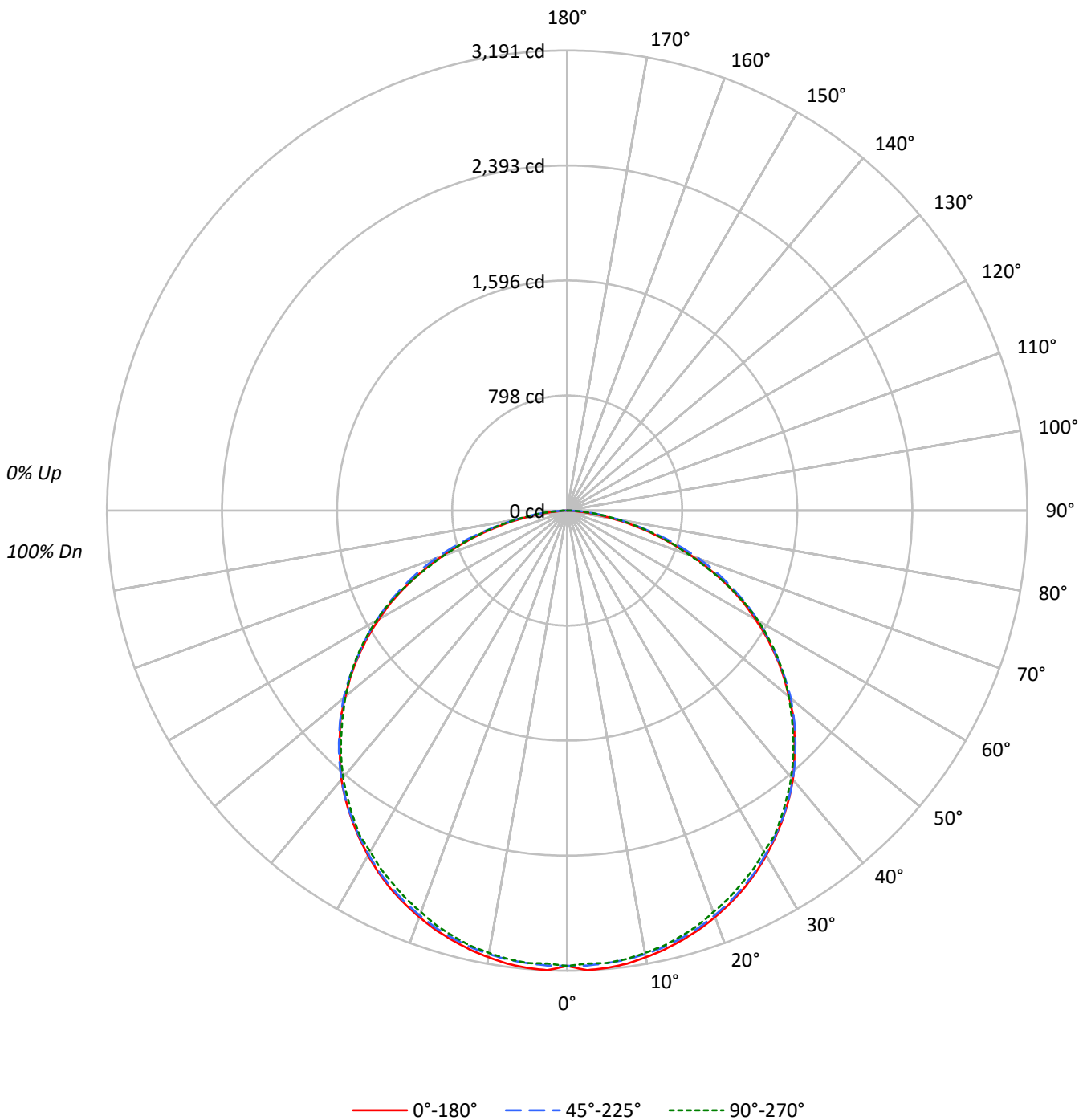
Lumens per Lamp: N/A
Luminaire Lumens: 9472.0 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	12758	12758	12758
5°	12891	12479	12368
10°	12868	12217	11987
15°	12844	11953	11611
20°	12826	11670	11211
25°	12810	11386	10837
30°	12770	11080	10469
35°	12729	10762	10116
40°	12680	10421	9693
45°	12550	10013	9208
50°	12393	9570	8715
55°	12199	8972	8184
60°	11857	8364	7488
65°	11345	7569	6513
70°	10428	6520	5281
75°	8976	4990	4059
80°	6874	3299	2661
85°	3784	1616	1188



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.7	3.2
10°-20°	864.2	9.1
20°-30°	1322.9	14.0
30°-40°	1620.9	17.1
40°-50°	1714.4	18.1
50°-60°	1582.5	16.7
60°-70°	1221.4	12.9
70°-80°	677.9	7.2
80°-90°	167.9	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°	2486.9	26.3
0°-40°	4107.8	43.4
0°-60°	7404.7	78.2
0°-90°	9472.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9472.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3158	3158	3158	3158	3158	
5°	3183	3142	3151	3143	3150	303
15°	3083	3047	3069	3058	3055	871
25°	2894	2860	2883	2858	2856	1334
35°	2609	2581	2604	2576	2590	1632
45°	2231	2210	2237	2213	2216	1721
55°	1770	1756	1777	1775	1784	1580
65°	1226	1214	1261	1253	1230	1209
75°	608	645	650	648	624	646
85°	96	142	145	147	136	129
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3157.5	3157.5	3157.5	3157.5	3157.5
2.5°	3190.6	3149.6	3157.5	3152.8	3143.3
5°	3182.7	3141.8	3151.2	3143.3	3149.6
7.5°	3170.1	3126.0	3141.8	3130.7	3137.0
10°	3144.9	3107.1	3122.8	3110.2	3115.0
12.5°	3118.1	3078.7	3100.8	3085.0	3091.3
15°	3083.4	3047.2	3069.2	3058.2	3055.0
17.5°	3045.6	3010.9	3033.0	3020.4	3015.6
20°	2999.9	2966.8	2987.3	2968.3	2963.6
22.5°	2949.4	2916.3	2940.0	2913.2	2914.8
25°	2894.3	2859.6	2883.2	2858.0	2856.4
27.5°	2831.2	2798.1	2823.3	2796.5	2799.7
30°	2761.8	2728.7	2754.0	2727.2	2730.3
32.5°	2686.2	2659.4	2681.4	2656.2	2673.6
35°	2608.9	2580.6	2604.2	2575.8	2590.0
37.5°	2525.4	2498.6	2523.8	2492.3	2504.9
40°	2435.5	2411.9	2434.0	2405.6	2416.6
42.5°	2331.5	2317.3	2339.4	2311.0	2320.5
45°	2230.6	2210.1	2236.9	2213.3	2216.4
47.5°	2129.7	2107.6	2132.9	2112.4	2110.8
50°	2008.3	2000.4	2024.1	2008.3	2006.7
52.5°	1893.2	1877.5	1902.7	1894.8	1899.6
55°	1770.3	1756.1	1776.6	1775.0	1784.5
57.5°	1642.6	1628.4	1655.2	1652.1	1659.9
60°	1507.0	1496.0	1530.7	1522.8	1529.1
62.5°	1374.6	1354.1	1398.3	1392.0	1388.8
65°	1226.4	1213.8	1261.1	1253.2	1229.6
67.5°	1073.5	1068.8	1117.7	1101.9	1062.5
70°	920.6	923.8	971.1	941.1	908.0
72.5°	759.8	783.5	811.8	789.8	766.1
75°	608.5	644.7	649.5	647.9	624.3
77.5°	460.3	506.0	495.0	506.0	487.1
80°	321.6	372.0	364.1	373.6	357.8
82.5°	198.6	244.3	245.9	252.2	238.0
85°	96.2	141.9	145.0	146.6	135.6
87.5°	20.5	66.2	67.8	63.1	55.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)