

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: P218034

Luminaire Tested: **8TSNLED-LD5-130HL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-130HL-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14233.0 lumens
Efficiency: N/A
Efficacy: 165.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

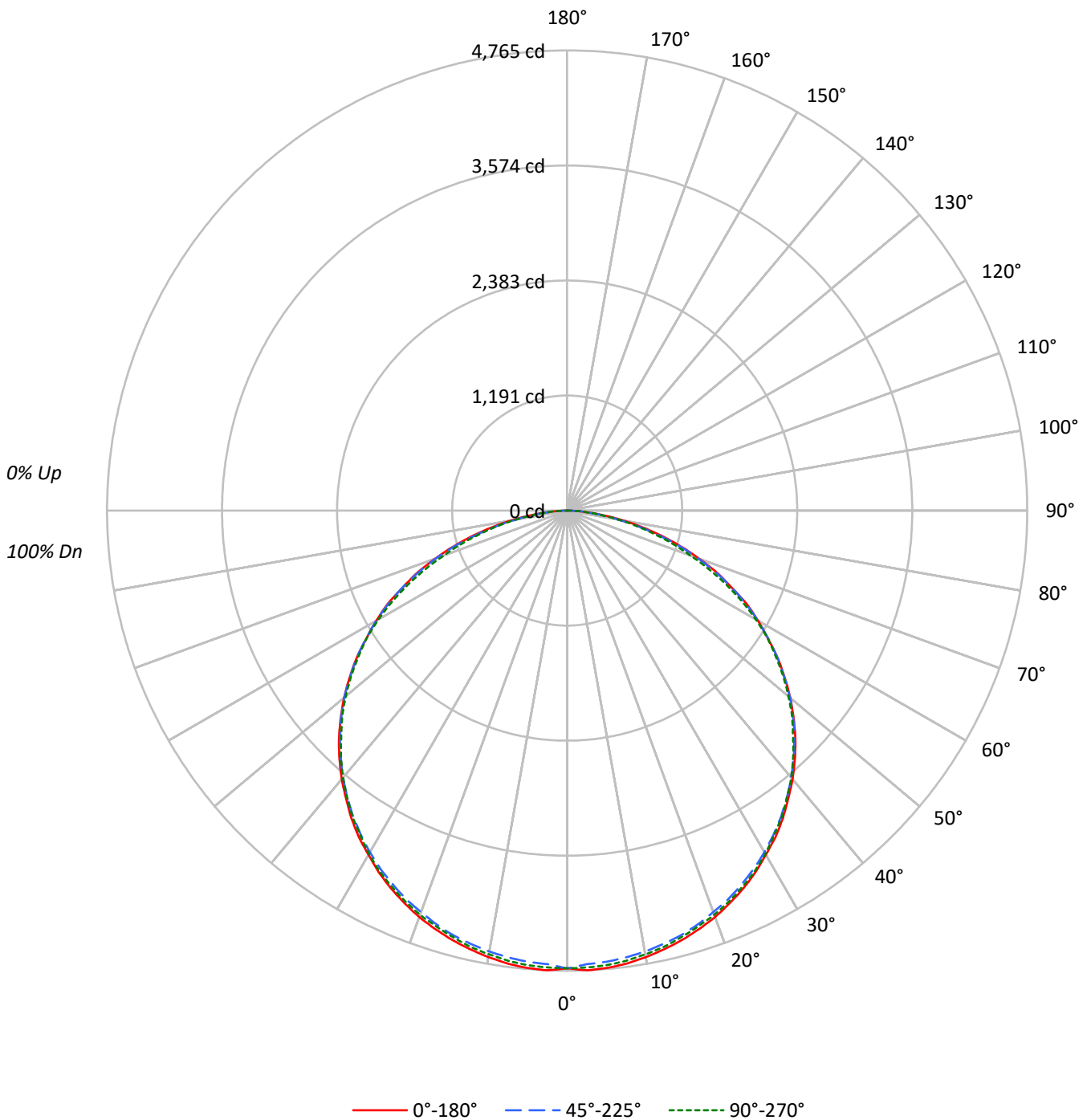
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	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	25	37	30	25	36	30	25	36	29	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38191	38191	38191
5°	38386	35685	35143
10°	38277	33651	32454
15°	38175	31822	30082
20°	38115	30047	28002
25°	38006	28417	26052
30°	37828	26827	24212
35°	37743	25245	22410
40°	37549	23633	20662
45°	37303	22019	18845
50°	36903	20298	17115
55°	36323	18418	15263
60°	35519	16355	13325
65°	34221	14068	11042
70°	32351	11388	8540
75°	29425	8213	6120
80°	24302	4887	3800
85°	16166	2115	1537



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.2	3.2
10°-20°	1293.2	9.1
20°-30°	1981.4	13.9
30°-40°	2425.2	17.0
40°-50°	2566.4	18.0
50°-60°	2373.6	16.7
60°-70°	1843.2	12.9
70°-80°	1038.2	7.3
80°-90°	262.6	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°	3723.8	26.2
0°-40°	6149.0	43.2
0°-60°	11089.1	77.9
0°-90°	14233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14233.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4740	4740	4740	4740	4740	
5°	4755	4735	4691	4735	4725	452
15°	4602	4588	4553	4592	4573	1300
25°	4317	4302	4273	4307	4297	1990
35°	3894	3879	3864	3874	3874	2435
45°	3342	3337	3328	3323	3308	2576
55°	2663	2673	2663	2653	2638	2376
65°	1875	1890	1880	1856	1821	1861
75°	1019	1019	975	950	930	1073
85°	217	217	212	212	207	270
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4740.2	4740.2	4740.2	4740.2	4740.2
2.5°	4764.8	4745.1	4700.8	4745.1	4735.3
5°	4755.0	4735.3	4691.0	4735.3	4725.4
7.5°	4730.3	4715.6	4666.4	4710.7	4700.8
10°	4695.9	4681.1	4636.8	4681.1	4666.4
12.5°	4651.6	4636.8	4597.4	4636.8	4627.0
15°	4602.4	4587.6	4553.1	4592.5	4572.8
17.5°	4543.3	4533.4	4494.1	4533.4	4513.8
20°	4479.3	4459.6	4425.2	4464.5	4454.7
22.5°	4400.5	4390.7	4356.2	4390.7	4380.9
25°	4316.9	4302.1	4272.6	4307.0	4297.2
27.5°	4223.3	4213.5	4184.0	4208.6	4208.6
30°	4115.1	4110.1	4085.5	4110.1	4105.2
32.5°	4011.7	4001.8	3977.2	3996.9	3987.1
35°	3893.5	3878.8	3864.0	3873.9	3873.9
37.5°	3760.6	3755.7	3741.0	3755.7	3741.0
40°	3632.7	3622.8	3608.1	3613.0	3613.0
42.5°	3489.9	3485.0	3470.2	3470.2	3465.3
45°	3342.2	3337.3	3327.5	3322.6	3307.8
47.5°	3179.8	3174.9	3174.9	3170.0	3160.1
50°	3017.4	3017.4	3012.5	2997.7	2992.8
52.5°	2840.2	2850.0	2835.3	2825.4	2820.5
55°	2663.0	2672.8	2663.0	2653.1	2638.4
57.5°	2466.1	2485.8	2471.0	2466.1	2461.2
60°	2284.0	2293.8	2284.0	2269.2	2259.3
62.5°	2096.9	2096.9	2082.1	2072.3	2042.8
65°	1875.4	1890.2	1880.3	1855.7	1821.3
67.5°	1678.5	1668.7	1658.8	1629.3	1589.9
70°	1452.1	1457.0	1442.2	1397.9	1358.6
72.5°	1235.5	1245.3	1215.8	1156.7	1146.9
75°	1018.9	1018.9	974.6	950.0	930.3
77.5°	797.4	802.3	743.3	738.3	733.4
80°	585.8	595.6	536.5	551.3	546.4
82.5°	398.7	388.9	364.3	364.3	359.3
85°	216.6	216.6	211.7	211.7	206.7
87.5°	83.7	88.6	98.4	108.3	103.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)