

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: P218153

Luminaire Tested: **8TSNLED-LD5-130HL-LC-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-130HL-LC-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12076.0 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

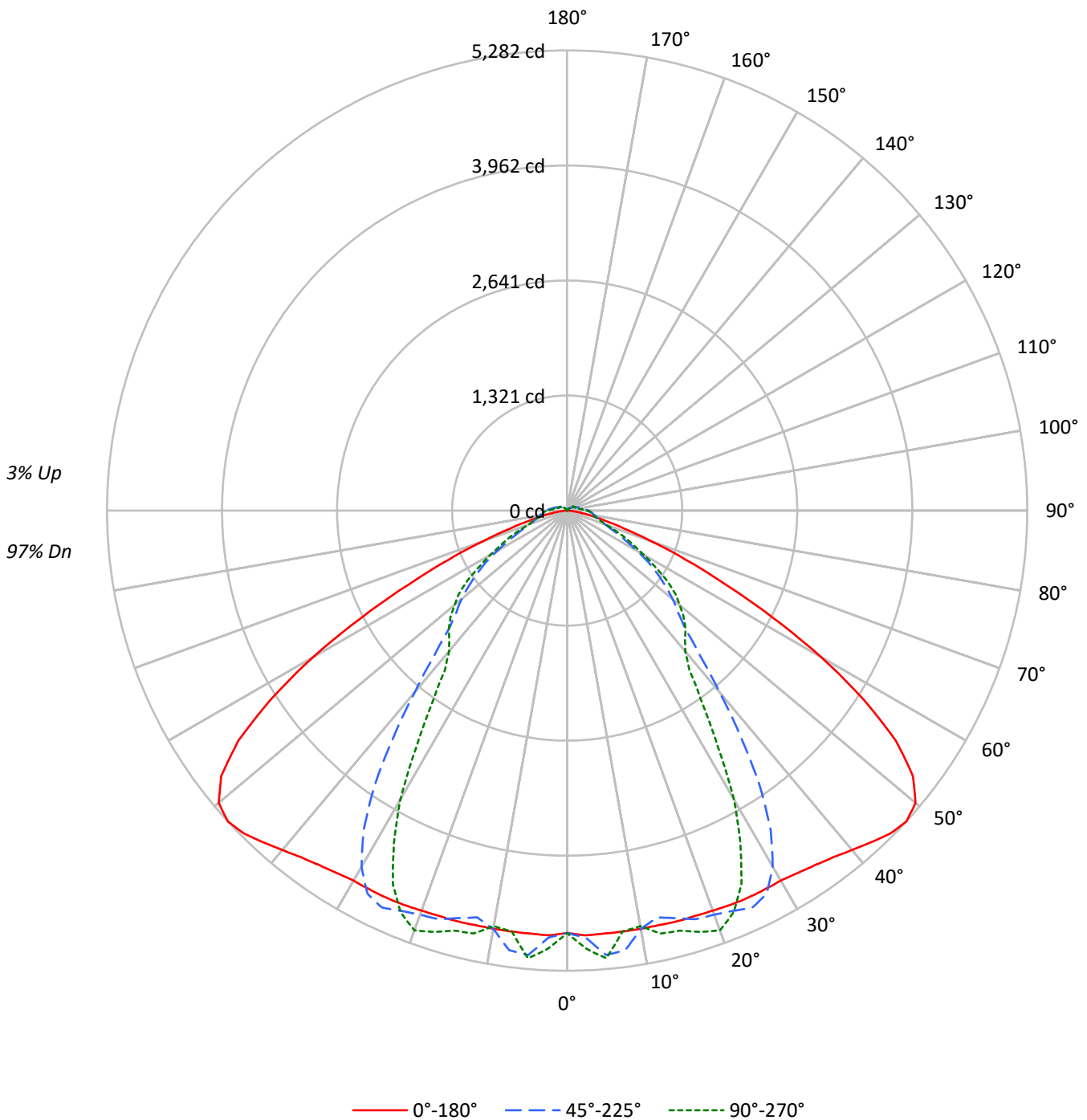
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99	99	97		
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	89	87	85	89	87	85	83		
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	80	77	74	72		
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	72	68	64	62		
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	65	60	56	65	60	56	54		
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	59	54	50	59	54	50	48		
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	54	49	45	54	49	45	43		
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	50	44	40	50	44	40	38		
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	46	40	36	46	40	36	34		
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	43	37	33	43	37	33	31		
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	40	34	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39069	39069	39069
5°	39346	38956	38361
10°	39728	35372	33682
15°	40479	33849	32835
20°	41578	33513	32229
25°	43182	33443	28687
30°	45087	30991	22589
35°	48146	25183	15652
40°	52549	17803	12047
45°	58534	12672	10945
50°	63838	10655	9644
55°	62857	8758	8040
60°	52452	6635	6012
65°	36520	4806	4419
70°	22983	3658	3029
75°	13201	3123	2398
80°	7687	2926	2062
85°	3687	2840	2067



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.6	3.9
10°-20°	1403.9	11.6
20°-30°	2230.7	18.5
30°-40°	2405.2	19.9
40°-50°	2073.1	17.2
50°-60°	1569.5	13.0
60°-70°	847.9	7.0
70°-80°	402.7	3.3
80°-90°	252.8	2.1
90°-100°	160.9	1.3
100°-110°	103.0	0.9
110°-120°	68.9	0.6
120°-130°	45.5	0.4
130°-140°	22.3	0.2
140°-150°	9.5	0.1
150°-160°	3.4	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	4111.2	34.0
0°-40°	6516.4	54.0
0°-60°	10159.0	84.1
0°-90°	11662.4	96.6
90°-120°	332.8	2.8
90°-150°	410.0	3.4
90°-180°	414.0	3.4
0°-180°	12076.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4849	4849	4849	4849	4849	
5°	4874	4979	5121	5189	5158	465
15°	4880	5010	4843	5010	4991	1383
25°	4905	4812	5028	4892	4732	2269
35°	4967	4781	3855	2947	2706	3128
45°	5244	3286	1915	1896	1921	4037
55°	4608	1421	1266	1384	1390	4008
65°	2001	605	642	723	729	2055
75°	457	315	371	371	364	538
85°	49	192	284	284	278	71
90°	0	148	247	241	222	3
95°	0	117	198	179	167	0
105°	0	74	136	124	111	0
115°	0	43	93	93	93	0
125°	0	25	62	80	74	0
135°	0	12	37	43	43	0
145°	0	6	18	25	18	0
155°	0	6	6	12	6	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4849.2	4849.2	4849.2	4849.2	4849.2
2.5°	4880.1	4886.2	4904.8	4997.4	5034.5
5°	4873.9	4978.9	5121.0	5188.9	5158.1
7.5°	4873.9	5090.1	5090.1	4960.4	4873.9
10°	4873.9	5151.9	4873.9	4849.2	4843.0
12.5°	4873.9	5114.8	4781.2	4954.2	4972.7
15°	4880.1	5009.8	4843.0	5009.8	4991.3
17.5°	4880.1	4886.2	4917.1	5046.9	5071.6
20°	4886.2	4805.9	4935.7	5145.7	5127.2
22.5°	4898.6	4793.6	4972.7	5102.5	4991.3
25°	4904.8	4812.1	5028.3	4892.4	4731.8
27.5°	4904.8	4836.8	4960.4	4571.2	4305.6
30°	4904.8	4849.2	4719.5	4126.4	3829.9
32.5°	4929.5	4836.8	4348.8	3545.8	3224.6
35°	4966.6	4781.2	3854.6	2946.6	2705.7
37.5°	5016.0	4633.0	3274.0	2464.7	2304.1
40°	5083.9	4311.8	2718.0	2155.9	2106.5
42.5°	5164.2	3842.3	2260.9	2001.4	2001.4
45°	5244.5	3286.3	1915.0	1896.4	1921.1
47.5°	5281.6	2742.7	1723.5	1791.4	1816.1
50°	5219.8	2236.2	1581.4	1674.1	1686.4
52.5°	5003.6	1785.2	1420.8	1532.0	1562.9
55°	4608.3	1420.8	1266.3	1383.7	1389.9
57.5°	4033.8	1130.4	1105.7	1198.4	1192.2
60°	3372.8	914.2	926.6	1019.3	1019.3
62.5°	2662.4	741.3	778.3	858.6	852.5
65°	2001.4	605.4	642.4	722.7	728.9
67.5°	1476.4	500.4	543.6	599.2	586.8
70°	1031.6	420.1	463.3	494.2	481.8
72.5°	685.7	358.3	407.7	420.1	413.9
75°	457.1	315.0	370.6	370.6	364.5
77.5°	296.5	278.0	345.9	339.8	327.4
80°	185.3	247.1	321.2	308.9	296.5
82.5°	111.2	216.2	302.7	290.3	278.0
85°	49.4	191.5	284.2	284.2	278.0
87.5°	18.5	173.0	265.6	271.8	259.4
90°	0.0	148.3	247.1	240.9	222.4
92.5°	0.0	135.9	222.4	203.9	191.5
95°	0.0	117.4	197.7	179.1	166.8
97.5°	0.0	105.0	179.1	160.6	148.3
100°	0.0	92.7	160.6	142.1	129.7
102.5°	0.0	80.3	148.3	129.7	123.5
105°	0.0	74.1	135.9	123.5	111.2
107.5°	0.0	68.0	123.5	111.2	105.0
110°	0.0	55.6	111.2	105.0	98.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	49.4	98.8	98.8	98.8
115°	0.0	43.2	92.7	92.7	92.7
117.5°	0.0	37.1	80.3	92.7	92.7
120°	0.0	37.1	74.1	86.5	86.5
122.5°	0.0	30.9	68.0	86.5	86.5
125°	0.0	24.7	61.8	80.3	74.1
127.5°	0.0	18.5	55.6	68.0	68.0
130°	0.0	18.5	49.4	61.8	55.6
132.5°	0.0	12.4	43.2	49.4	49.4
135°	0.0	12.4	37.1	43.2	43.2
137.5°	0.0	12.4	30.9	37.1	30.9
140°	0.0	6.2	24.7	30.9	24.7
142.5°	0.0	6.2	24.7	30.9	24.7
145°	0.0	6.2	18.5	24.7	18.5
147.5°	0.0	6.2	12.4	18.5	18.5
150°	0.0	6.2	12.4	18.5	12.4
152.5°	0.0	6.2	12.4	12.4	6.2
155°	0.0	6.2	6.2	12.4	6.2
157.5°	0.0	6.2	6.2	6.2	6.2
160°	6.2	6.2	6.2	6.2	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)