

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: P218274

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-130HL-LN-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12682.0 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

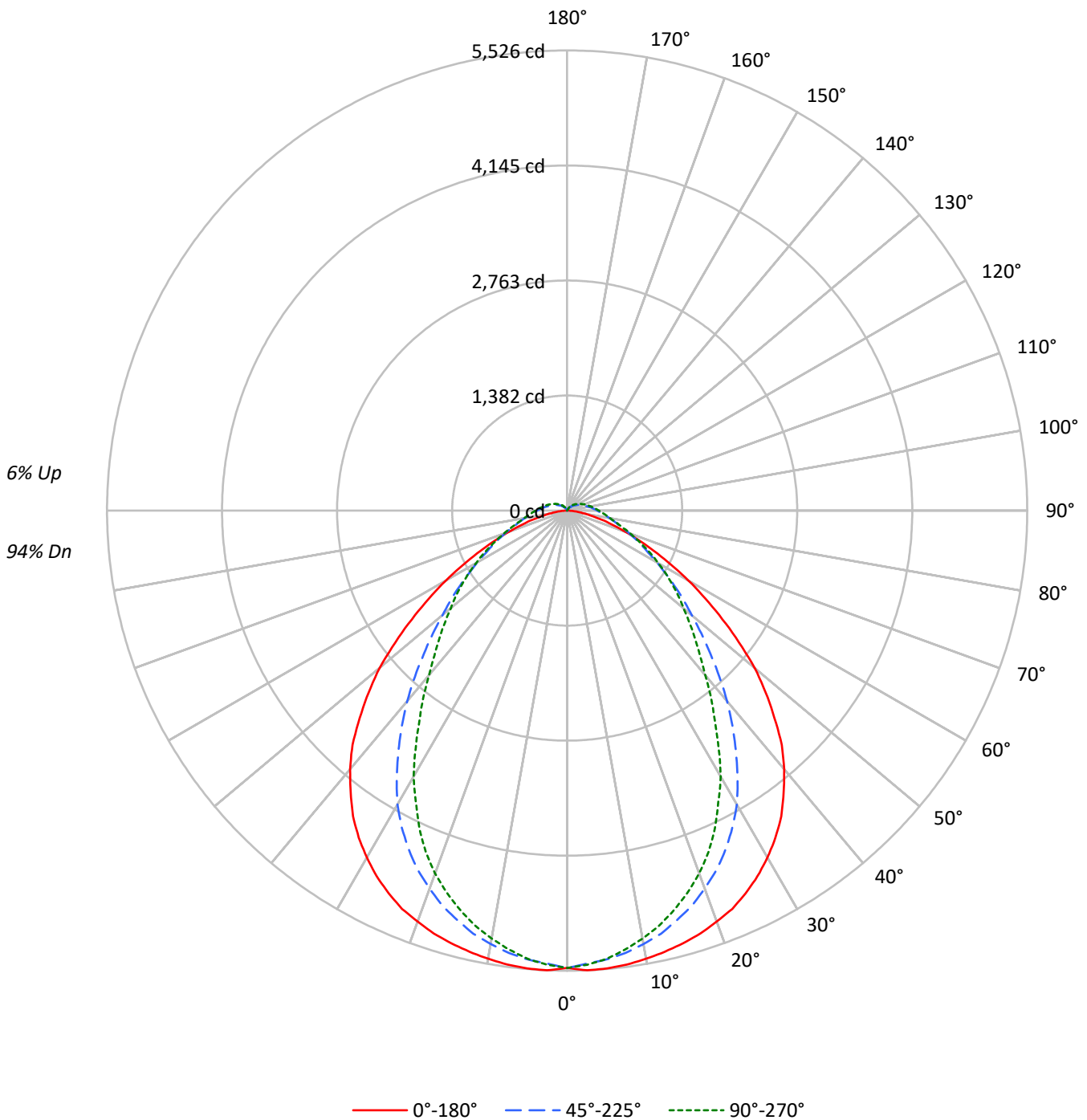
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218274

CATALOG NUMBER: 8TSNLED-LD5-130HL-LN-UNV-L850-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218274

CATALOG NUMBER: 8TSNLED-LD5-130HL-LN-UNV-L850-CD1-U

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	114	114	114	114	108	108	108	102	102	102	97	97	97	94					94			
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80					80			
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68					68			
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59					59			
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51					51			
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45					45			
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40					40			
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36					36			
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32					32			
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29					29			
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44250	44250	44250
5°	44554	41171	40200
10°	44550	38356	36292
15°	44614	35585	32658
20°	44688	32801	29148
25°	44648	29907	25480
30°	44222	26764	21753
35°	43461	23093	17896
40°	41921	19563	14749
45°	39300	16094	12371
50°	35955	13145	10432
55°	31077	10860	8890
60°	26185	8899	7448
65°	20970	7399	6157
70°	16524	6225	5082
75°	12736	5293	4219
80°	9148	4686	3625
85°	5986	4273	3280



TEST NUMBER: P218274

CATALOG NUMBER: 8TSNLED-LD5-130HL-LN-UNV-L850-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.3	4.1
10°-20°	1449.1	11.4
20°-30°	2098.5	16.5
30°-40°	2283.9	18.0
40°-50°	2028.4	16.0
50°-60°	1544.0	12.2
60°-70°	1025.1	8.1
70°-80°	624.6	4.9
80°-90°	387.1	3.1
90°-100°	264.4	2.1
100°-110°	185.5	1.5
110°-120°	126.4	1.0
120°-130°	80.2	0.6
130°-140°	45.6	0.4
140°-150°	21.4	0.2
150°-160°	1.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4064.0	32.0
0°-40°	6347.9	50.1
0°-60°	9920.3	78.2
0°-90°	11957.1	94.3
90°-120°	576.3	4.5
90°-150°	723.4	5.7
90°-180°	725.0	5.7
0°-180°	12682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5492	5492	5492	5492	5492	
5°	5519	5486	5412	5439	5405	525
15°	5379	5285	5091	5031	4964	1520
25°	5071	4844	4497	4316	4203	2335
35°	4483	4082	3535	3227	3094	2793
45°	3521	2993	2432	2225	2172	2712
55°	2278	1851	1570	1543	1537	2044
65°	1149	989	989	1029	1016	1159
75°	441	501	628	662	641	477
85°	80	254	428	454	441	95
90°	0	187	361	394	381	5
95°	0	147	307	341	334	0
105°	0	94	220	254	254	0
115°	0	60	160	194	187	0
125°	0	40	107	134	134	0
135°	0	27	74	94	94	0
145°	0	13	40	54	54	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218274

CATALOG NUMBER: 8TSNLED-LD5-130HL-LN-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5492.3	5492.3	5492.3	5492.3	5492.3
2.5°	5525.7	5498.9	5445.5	5478.9	5458.9
5°	5519.0	5485.6	5412.1	5438.8	5405.4
7.5°	5498.9	5458.9	5358.6	5372.0	5318.5
10°	5465.5	5412.1	5285.1	5271.8	5218.3
12.5°	5425.5	5358.6	5205.0	5158.2	5104.7
15°	5378.7	5285.1	5091.4	5031.2	4964.4
17.5°	5325.2	5198.3	4977.8	4884.2	4810.7
20°	5251.7	5098.1	4830.8	4717.2	4637.0
22.5°	5178.2	4977.8	4677.1	4523.4	4436.6
25°	5071.3	4844.2	4496.7	4316.3	4202.7
27.5°	4951.1	4690.5	4296.3	4062.4	3935.5
30°	4810.7	4510.1	4075.8	3801.8	3688.2
32.5°	4657.1	4309.6	3808.5	3514.5	3387.6
35°	4483.3	4082.5	3534.6	3227.2	3093.6
37.5°	4269.5	3835.2	3260.6	2946.6	2839.7
40°	4055.7	3574.7	2986.7	2692.7	2579.1
42.5°	3815.2	3287.3	2706.0	2438.8	2358.6
45°	3521.2	2993.4	2432.1	2225.0	2171.5
47.5°	3233.9	2692.7	2184.9	2037.9	1991.1
50°	2939.9	2398.7	1951.0	1857.5	1824.1
52.5°	2599.1	2111.4	1757.3	1697.1	1683.8
55°	2278.4	1850.8	1570.2	1543.4	1536.8
57.5°	1971.1	1603.6	1396.5	1416.5	1403.1
60°	1683.8	1376.4	1242.8	1269.5	1262.8
62.5°	1403.1	1169.3	1102.5	1155.9	1142.6
65°	1149.2	988.9	988.9	1029.0	1015.6
67.5°	928.7	841.9	882.0	922.1	908.7
70°	741.7	708.2	788.4	821.8	808.5
72.5°	574.6	594.7	694.9	735.0	714.9
75°	441.0	501.1	628.1	661.5	641.4
77.5°	314.0	420.9	567.9	594.7	574.6
80°	220.5	354.1	514.5	541.2	521.2
82.5°	140.3	300.7	467.7	494.4	481.1
85°	80.2	253.9	427.6	454.3	441.0
87.5°	40.1	220.5	387.5	420.9	407.6
90°	0.0	187.1	360.8	394.2	380.9
92.5°	0.0	167.0	334.1	367.5	354.1
95°	0.0	147.0	307.4	340.8	334.1
97.5°	0.0	133.6	287.3	320.7	307.4
100°	0.0	113.6	260.6	294.0	287.3
102.5°	0.0	106.9	240.5	273.9	267.3
105°	0.0	93.5	220.5	253.9	253.9
107.5°	0.0	86.9	207.1	240.5	233.9
110°	0.0	73.5	187.1	220.5	220.5



TEST NUMBER: P218274

CATALOG NUMBER: 8TSNLED-LD5-130HL-LN-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	66.8	173.7	207.1	200.4
115°	0.0	60.1	160.4	193.8	187.1
117.5°	0.0	60.1	147.0	173.7	173.7
120°	0.0	53.5	133.6	160.4	160.4
122.5°	0.0	46.8	120.3	147.0	147.0
125°	0.0	40.1	106.9	133.6	133.6
127.5°	0.0	40.1	100.2	127.0	127.0
130°	0.0	33.4	86.9	113.6	113.6
132.5°	0.0	26.7	80.2	100.2	100.2
135°	0.0	26.7	73.5	93.5	93.5
137.5°	0.0	20.0	60.1	80.2	80.2
140°	0.0	20.0	53.5	73.5	73.5
142.5°	0.0	13.4	46.8	66.8	60.1
145°	0.0	13.4	40.1	53.5	53.5
147.5°	0.0	6.7	33.4	46.8	46.8
150°	0.0	6.7	26.7	40.1	33.4
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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)