

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: P218273

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218273
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11724.0 lumens
Efficiency: N/A
Efficacy: 136.5 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

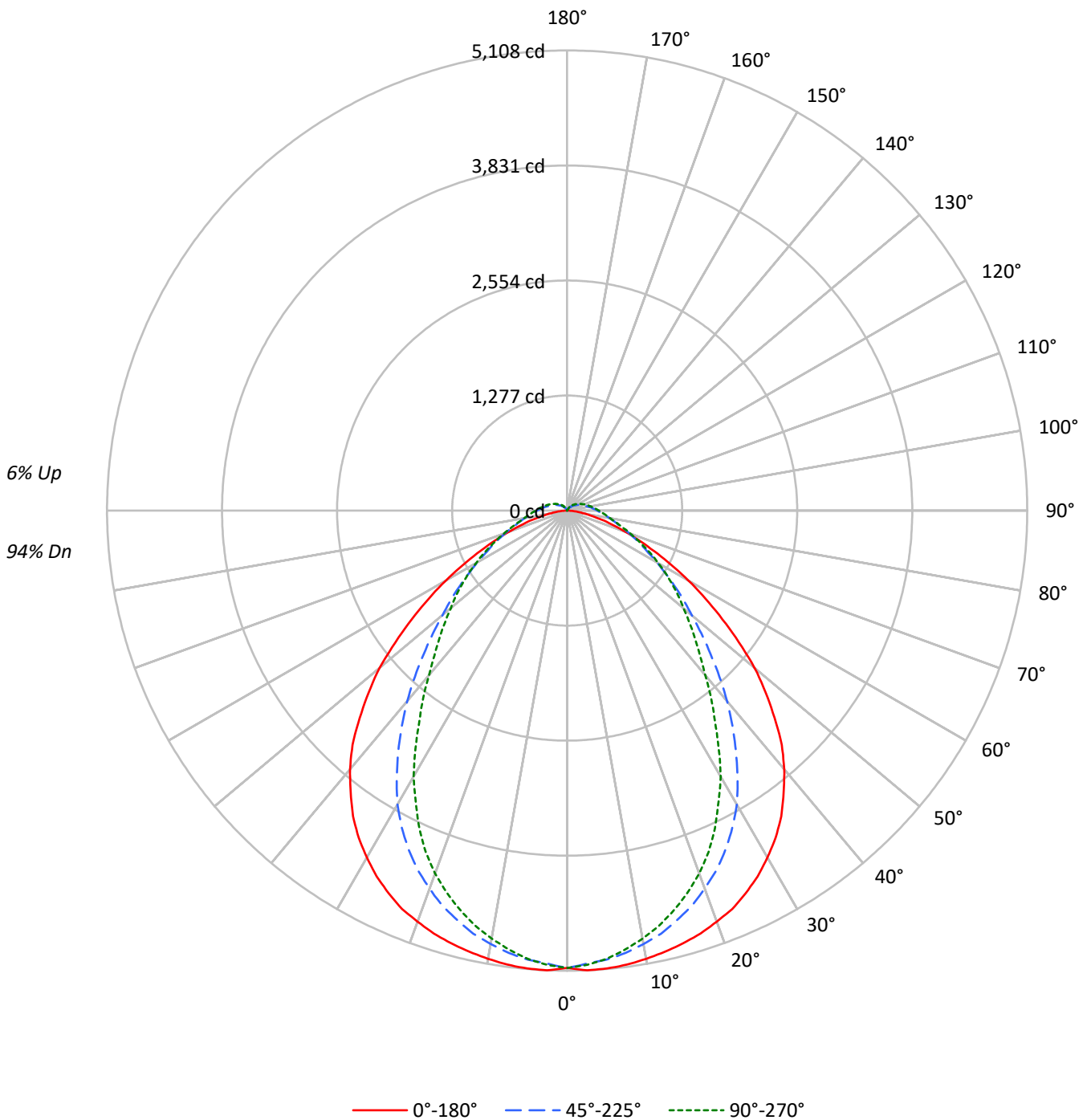
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218273

CATALOG NUMBER: 8TSNLED-LD5-130HL-LN-UNV-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218273

CATALOG NUMBER: 8TSNLED-LD5-130HL-LN-UNV-L840-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°	40908	40908	40908
5°	41189	38061	37163
10°	41185	35459	33551
15°	41244	32897	30191
20°	41312	30323	26946
25°	41275	27648	23555
30°	40881	24742	20110
35°	40178	21348	16544
40°	38755	18085	13635
45°	36332	14878	11437
50°	33239	12152	9644
55°	28730	10040	8219
60°	24207	8227	6885
65°	19386	6840	5692
70°	15274	5755	4698
75°	11774	4893	3901
80°	8455	4332	3351
85°	5530	3950	3032



TEST NUMBER: P218273

CATALOG NUMBER: 8TSNLED-LD5-130HL-LN-UNV-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.3	4.1
10°-20°	1339.7	11.4
20°-30°	1940.0	16.5
30°-40°	2111.4	18.0
40°-50°	1875.2	16.0
50°-60°	1427.3	12.2
60°-70°	947.7	8.1
70°-80°	577.4	4.9
80°-90°	357.8	3.1
90°-100°	244.4	2.1
100°-110°	171.5	1.5
110°-120°	116.8	1.0
120°-130°	74.1	0.6
130°-140°	42.1	0.4
140°-150°	19.8	0.2
150°-160°	1.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3757.0	32.0
0°-40°	5868.4	50.1
0°-60°	9170.9	78.2
0°-90°	11053.9	94.3
90°-120°	532.7	4.5
90°-150°	668.8	5.7
90°-180°	670.0	5.7
0°-180°	11724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5077	5077	5077	5077	5077	
5°	5102	5071	5003	5028	4997	485
15°	4972	4886	4707	4651	4589	1405
25°	4688	4478	4157	3990	3885	2159
35°	4145	3774	3268	2983	2860	2582
45°	3255	2767	2248	2057	2008	2507
55°	2106	1711	1452	1427	1421	1889
65°	1062	914	914	951	939	1071
75°	408	463	581	612	593	441
85°	74	235	395	420	408	88
90°	0	173	334	364	352	5
95°	0	136	284	315	309	0
105°	0	86	204	235	235	0
115°	0	56	148	179	173	0
125°	0	37	99	124	124	0
135°	0	25	68	86	86	0
145°	0	12	37	49	49	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: P218273

CATALOG NUMBER: 8TSNLED-LD5-130HL-LN-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5077.4	5077.4	5077.4	5077.4	5077.4
2.5°	5108.3	5083.6	5034.1	5065.0	5046.5
5°	5102.1	5071.2	5003.3	5028.0	4997.1
7.5°	5083.6	5046.5	4953.8	4966.2	4916.8
10°	5052.7	5003.3	4885.9	4873.5	4824.1
12.5°	5015.6	4953.8	4811.8	4768.5	4719.1
15°	4972.4	4885.9	4706.8	4651.2	4589.4
17.5°	4923.0	4805.6	4601.8	4515.3	4447.3
20°	4855.0	4712.9	4465.9	4360.9	4286.7
22.5°	4787.1	4601.8	4323.8	4181.7	4101.4
25°	4688.2	4478.2	4157.0	3990.3	3885.2
27.5°	4577.1	4336.2	3971.7	3755.5	3638.2
30°	4447.3	4169.4	3767.9	3514.6	3409.6
32.5°	4305.3	3984.1	3520.8	3249.0	3131.7
35°	4144.7	3774.1	3267.6	2983.4	2859.9
37.5°	3947.0	3545.5	3014.3	2724.0	2625.2
40°	3749.4	3304.6	2761.1	2489.3	2384.3
42.5°	3527.0	3039.0	2501.6	2254.6	2180.4
45°	3255.2	2767.2	2248.4	2056.9	2007.5
47.5°	2989.6	2489.3	2019.8	1883.9	1840.7
50°	2717.8	2217.5	1803.6	1717.2	1686.3
52.5°	2402.8	1951.9	1624.5	1568.9	1556.6
55°	2106.3	1711.0	1451.6	1426.9	1420.7
57.5°	1822.2	1482.4	1291.0	1309.5	1297.1
60°	1556.6	1272.4	1148.9	1173.6	1167.4
62.5°	1297.1	1081.0	1019.2	1068.6	1056.2
65°	1062.4	914.2	914.2	951.2	938.9
67.5°	858.6	778.3	815.3	852.4	840.1
70°	685.6	654.7	728.9	759.8	747.4
72.5°	531.2	549.7	642.4	679.5	660.9
75°	407.7	463.3	580.6	611.5	593.0
77.5°	290.3	389.1	525.0	549.7	531.2
80°	203.8	327.4	475.6	500.3	481.8
82.5°	129.7	278.0	432.4	457.1	444.7
85°	74.1	234.7	395.3	420.0	407.7
87.5°	37.1	203.8	358.3	389.1	376.8
90°	0.0	173.0	333.6	364.4	352.1
92.5°	0.0	154.4	308.8	339.7	327.4
95°	0.0	135.9	284.1	315.0	308.8
97.5°	0.0	123.5	265.6	296.5	284.1
100°	0.0	105.0	240.9	271.8	265.6
102.5°	0.0	98.8	222.4	253.3	247.1
105°	0.0	86.5	203.8	234.7	234.7
107.5°	0.0	80.3	191.5	222.4	216.2
110°	0.0	67.9	173.0	203.8	203.8



TEST NUMBER: P218273

CATALOG NUMBER: 8TSNLED-LD5-130HL-LN-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	61.8	160.6	191.5	185.3
115°	0.0	55.6	148.2	179.1	173.0
117.5°	0.0	55.6	135.9	160.6	160.6
120°	0.0	49.4	123.5	148.2	148.2
122.5°	0.0	43.2	111.2	135.9	135.9
125°	0.0	37.1	98.8	123.5	123.5
127.5°	0.0	37.1	92.7	117.4	117.4
130°	0.0	30.9	80.3	105.0	105.0
132.5°	0.0	24.7	74.1	92.7	92.7
135°	0.0	24.7	67.9	86.5	86.5
137.5°	0.0	18.5	55.6	74.1	74.1
140°	0.0	18.5	49.4	67.9	67.9
142.5°	0.0	12.4	43.2	61.8	55.6
145°	0.0	12.4	37.1	49.4	49.4
147.5°	0.0	6.2	30.9	43.2	43.2
150°	0.0	6.2	24.7	37.1	30.9
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)