

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: P218033

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218033
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13158.0 lumens
Efficiency: N/A
Efficacy: 153.2 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

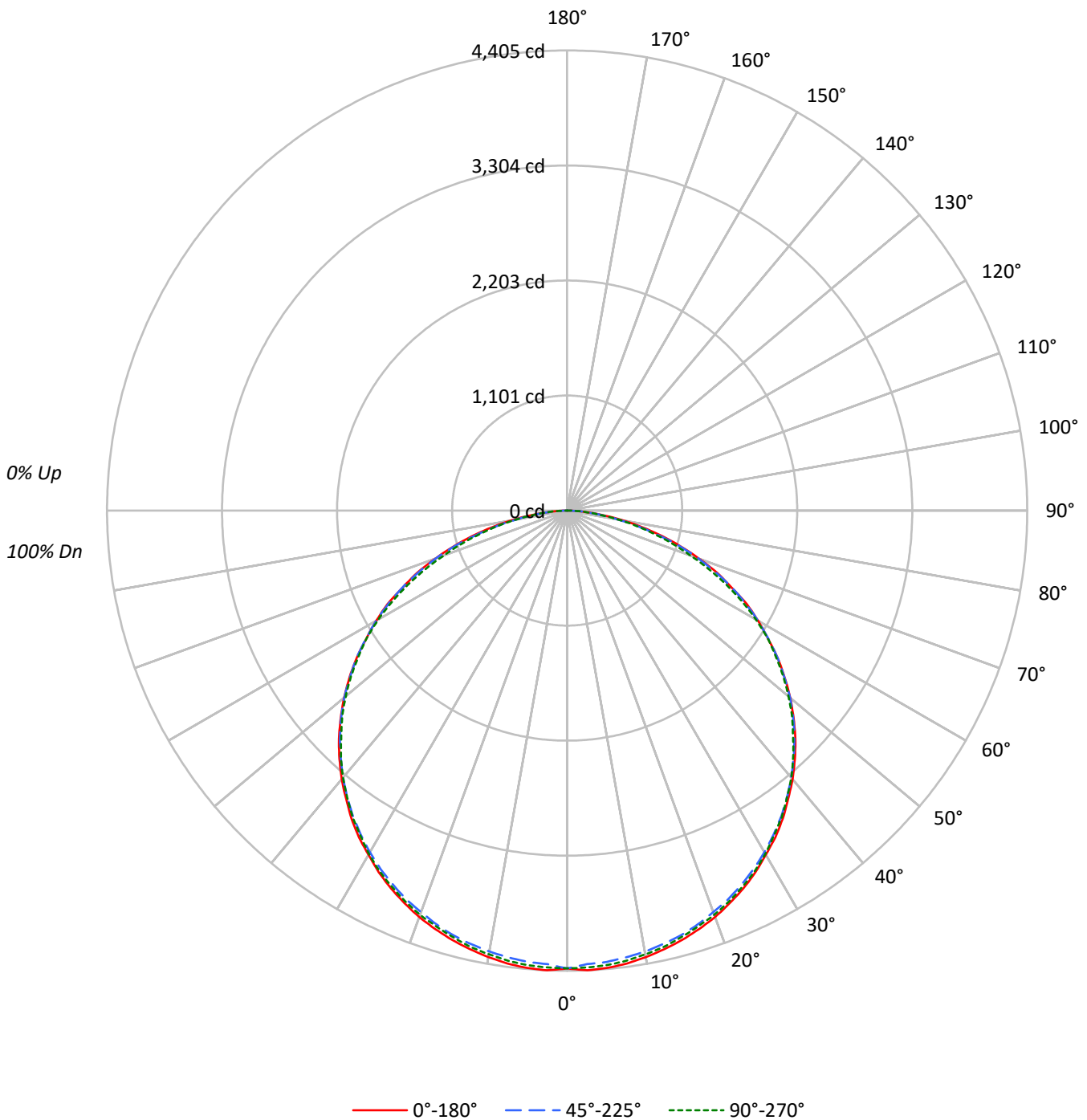
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35307	35307	35307
5°	35487	32990	32488
10°	35386	31109	30002
15°	35291	29419	27809
20°	35237	27777	25887
25°	35135	26271	24085
30°	34970	24801	22384
35°	34893	23338	20718
40°	34713	21847	19101
45°	34486	20356	17422
50°	34115	18764	15822
55°	33579	17027	14110
60°	32835	15119	12319
65°	31637	13006	10208
70°	29907	10528	7895
75°	27204	7593	5658
80°	22465	4518	3513
85°	14942	1956	1421



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.3	3.2
10°-20°	1195.5	9.1
20°-30°	1831.7	13.9
30°-40°	2242.0	17.0
40°-50°	2372.6	18.0
50°-60°	2194.3	16.7
60°-70°	1703.9	12.9
70°-80°	959.8	7.3
80°-90°	242.7	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°	3442.6	26.2
0°-40°	5684.6	43.2
0°-60°	10251.5	77.9
0°-90°	13158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13158.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4382	4382	4382	4382	4382	
5°	4396	4378	4337	4378	4368	418
15°	4255	4241	4209	4246	4227	1202
25°	3991	3977	3950	3982	3973	1840
35°	3600	3586	3572	3581	3581	2251
45°	3090	3085	3076	3072	3058	2381
55°	2462	2471	2462	2453	2439	2196
65°	1734	1747	1738	1716	1684	1720
75°	942	942	901	878	860	992
85°	200	200	196	196	191	249
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4382.2	4382.2	4382.2	4382.2	4382.2
2.5°	4404.9	4386.7	4345.8	4386.7	4377.6
5°	4395.8	4377.6	4336.7	4377.6	4368.5
7.5°	4373.1	4359.4	4313.9	4354.9	4345.8
10°	4341.2	4327.6	4286.6	4327.6	4313.9
12.5°	4300.3	4286.6	4250.2	4286.6	4277.5
15°	4254.7	4241.1	4209.2	4245.6	4227.4
17.5°	4200.1	4191.0	4154.6	4191.0	4172.8
20°	4141.0	4122.8	4090.9	4127.3	4118.2
22.5°	4068.2	4059.1	4027.2	4059.1	4050.0
25°	3990.8	3977.2	3949.9	3981.7	3972.6
27.5°	3904.4	3895.3	3868.0	3890.7	3890.7
30°	3804.2	3799.7	3776.9	3799.7	3795.1
32.5°	3708.7	3699.6	3676.8	3695.0	3685.9
35°	3599.5	3585.8	3572.2	3581.3	3581.3
37.5°	3476.6	3472.1	3458.4	3472.1	3458.4
40°	3358.3	3349.2	3335.5	3340.1	3340.1
42.5°	3226.3	3221.8	3208.1	3208.1	3203.6
45°	3089.8	3085.3	3076.2	3071.6	3058.0
47.5°	2939.6	2935.1	2935.1	2930.5	2921.4
50°	2789.5	2789.5	2784.9	2771.3	2766.7
52.5°	2625.7	2634.8	2621.1	2612.0	2607.5
55°	2461.8	2470.9	2461.8	2452.7	2439.1
57.5°	2279.8	2298.0	2284.4	2279.8	2275.3
60°	2111.4	2120.5	2111.4	2097.8	2088.7
62.5°	1938.5	1938.5	1924.9	1915.8	1888.5
65°	1733.8	1747.4	1738.3	1715.6	1683.7
67.5°	1551.7	1542.6	1533.5	1506.2	1469.8
70°	1342.4	1347.0	1333.3	1292.4	1255.9
72.5°	1142.2	1151.3	1124.0	1069.4	1060.3
75°	942.0	942.0	901.0	878.3	860.1
77.5°	737.2	741.7	687.1	682.6	678.0
80°	541.5	550.6	496.0	509.7	505.1
82.5°	368.6	359.5	336.7	336.7	332.2
85°	200.2	200.2	195.7	195.7	191.1
87.5°	77.4	81.9	91.0	100.1	95.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)