

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: P218000

Luminaire Tested: **4SNLED-LD5-85HL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218000
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: 4SNLED-LD5-85HL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8388.0 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

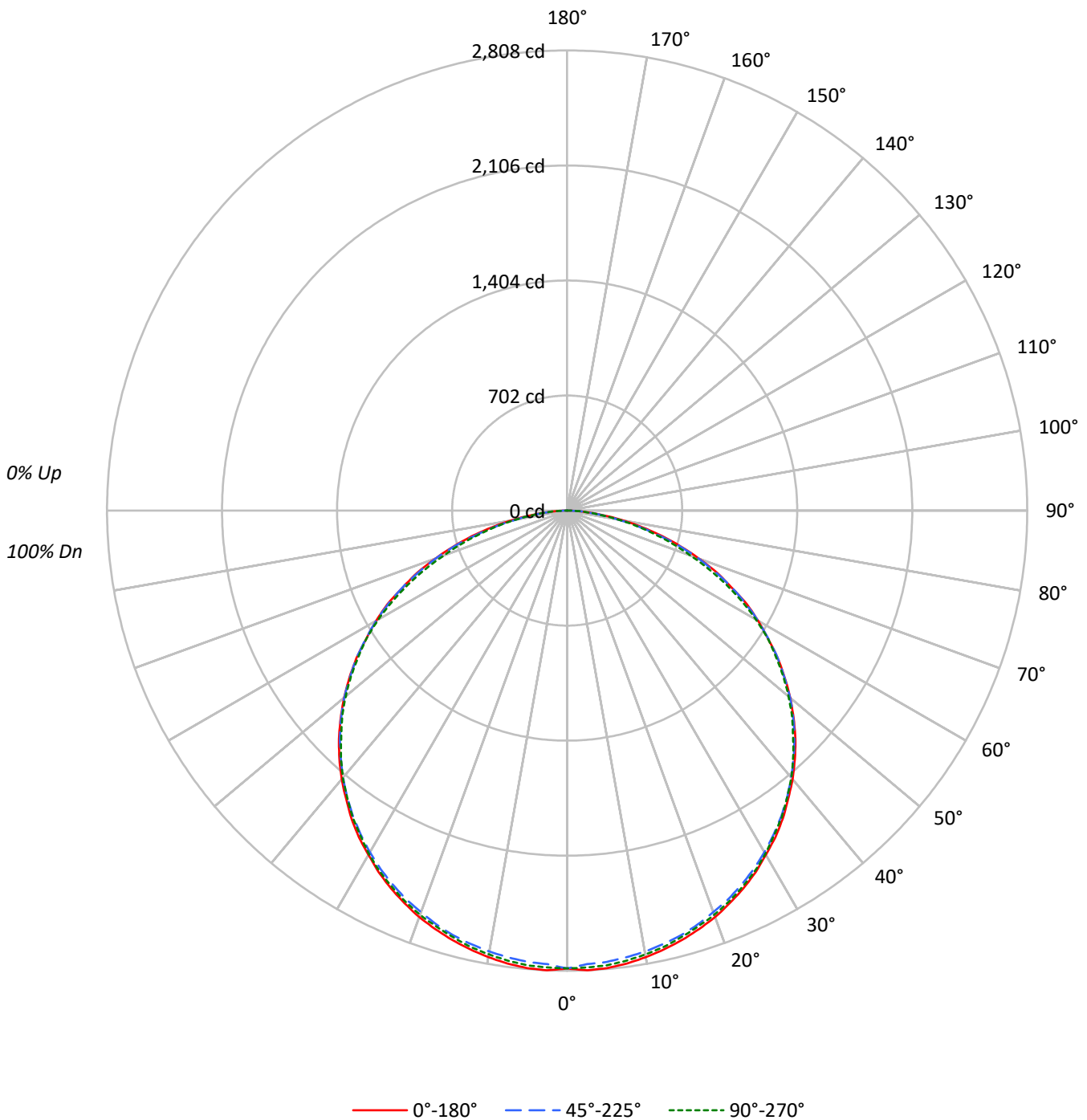
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	45015	45015	45015
5°	45163	42009	41422
10°	44950	39572	38251
15°	44746	37384	35456
20°	44589	35265	33005
25°	44369	33323	30707
30°	44060	31431	28538
35°	43855	29552	26414
40°	43509	27643	24354
45°	43087	25732	22212
50°	42464	23699	20172
55°	41609	21486	17990
60°	40453	19060	15706
65°	38676	16378	13014
70°	36170	13243	10065
75°	32346	9539	7214
80°	25900	5667	4479
85°	15970	2448	1812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.8	3.2
10°-20°	762.1	9.1
20°-30°	1167.7	13.9
30°-40°	1429.2	17.0
40°-50°	1512.5	18.0
50°-60°	1398.8	16.7
60°-70°	1086.2	12.9
70°-80°	611.8	7.3
80°-90°	154.7	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°	2194.6	26.2
0°-40°	3623.8	43.2
0°-60°	6535.2	77.9
0°-90°	8388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8388.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2794	2794	2794	2794	2794	
5°	2802	2791	2764	2791	2785	266
15°	2712	2704	2683	2706	2695	766
25°	2544	2535	2518	2538	2532	1173
35°	2295	2286	2277	2283	2283	1435
45°	1970	1967	1961	1958	1949	1518
55°	1569	1575	1569	1564	1555	1400
65°	1105	1114	1108	1094	1073	1096
75°	600	600	574	560	548	632
85°	128	128	125	125	122	159
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2793.6	2793.6	2793.6	2793.6	2793.6
2.5°	2808.1	2796.5	2770.3	2796.5	2790.7
5°	2802.3	2790.7	2764.5	2790.7	2784.9
7.5°	2787.8	2779.1	2750.0	2776.1	2770.3
10°	2767.4	2758.7	2732.6	2758.7	2750.0
12.5°	2741.3	2732.6	2709.4	2732.6	2726.8
15°	2712.3	2703.6	2683.3	2706.5	2694.9
17.5°	2677.5	2671.7	2648.5	2671.7	2660.1
20°	2639.8	2628.2	2607.9	2631.1	2625.3
22.5°	2593.4	2587.6	2567.3	2587.6	2581.8
25°	2544.1	2535.4	2518.0	2538.3	2532.5
27.5°	2489.0	2483.2	2465.8	2480.3	2480.3
30°	2425.1	2422.2	2407.7	2422.2	2419.3
32.5°	2364.2	2358.4	2343.9	2355.5	2349.7
35°	2294.6	2285.9	2277.2	2283.0	2283.0
37.5°	2216.3	2213.4	2204.7	2213.4	2204.7
40°	2140.9	2135.1	2126.4	2129.3	2129.3
42.5°	2056.7	2053.8	2045.1	2045.1	2042.2
45°	1969.7	1966.8	1961.0	1958.1	1949.4
47.5°	1874.0	1871.1	1871.1	1868.2	1862.4
50°	1778.2	1778.2	1775.3	1766.6	1763.7
52.5°	1673.8	1679.6	1670.9	1665.1	1662.2
55°	1569.4	1575.2	1569.4	1563.6	1554.9
57.5°	1453.3	1464.9	1456.2	1453.3	1450.4
60°	1346.0	1351.8	1346.0	1337.3	1331.5
62.5°	1235.8	1235.8	1227.1	1221.3	1203.9
65°	1105.2	1113.9	1108.1	1093.6	1073.3
67.5°	989.2	983.4	977.6	960.2	937.0
70°	855.8	858.7	850.0	823.9	800.6
72.5°	728.1	733.9	716.5	681.7	675.9
75°	600.5	600.5	574.4	559.9	548.3
77.5°	469.9	472.8	438.0	435.1	432.2
80°	345.2	351.0	316.2	324.9	322.0
82.5°	235.0	229.2	214.7	214.7	211.8
85°	127.6	127.6	124.7	124.7	121.8
87.5°	49.3	52.2	58.0	63.8	60.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)