

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: P218002

Luminaire Tested: **4SNLED-LD5-85HL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218002
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9255.0 lumens
Efficiency: N/A
Efficacy: 149.8 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

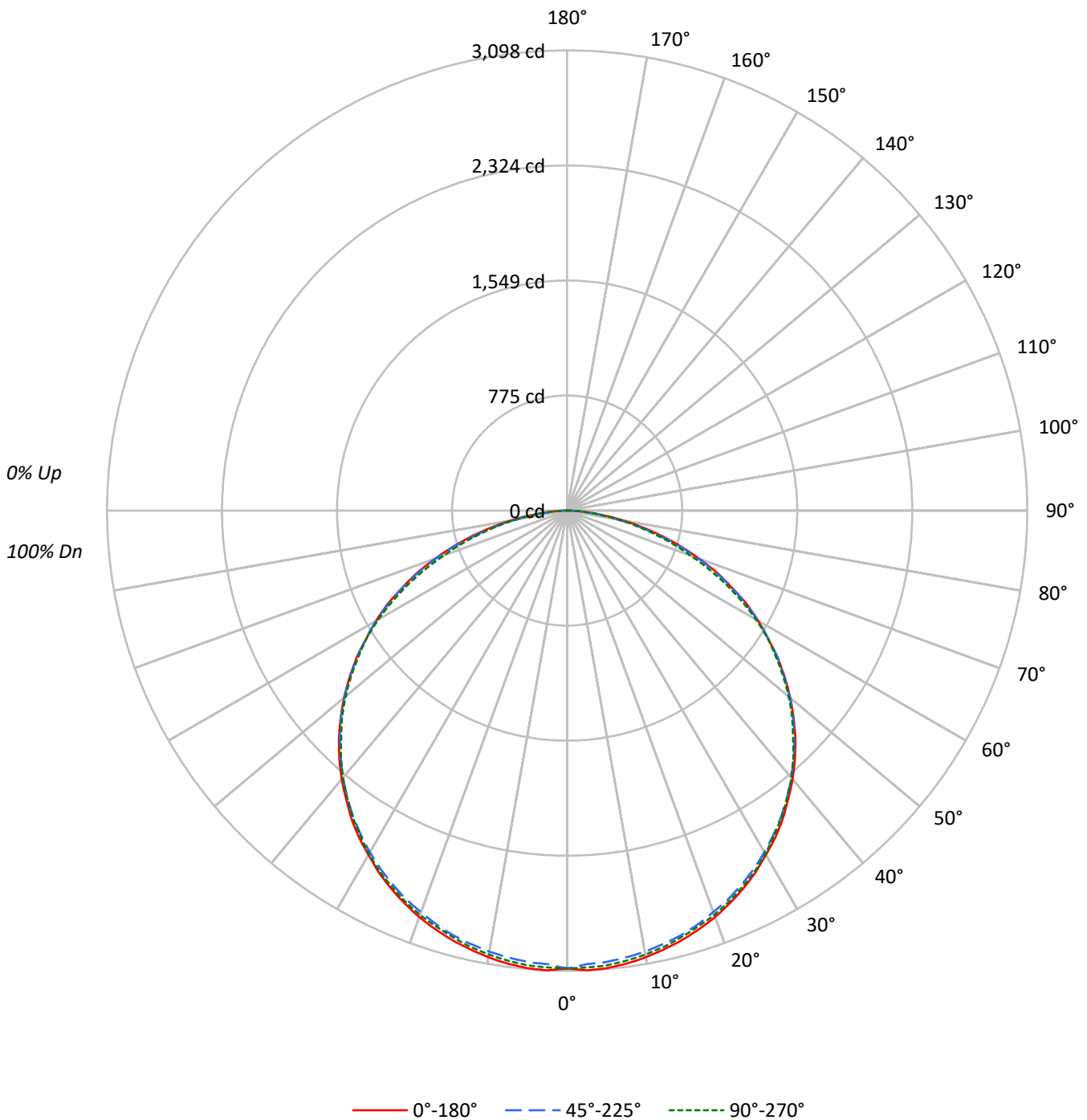
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49667	49667	49667
5°	49830	46352	45703
10°	49597	43663	42206
15°	49372	41249	39122
20°	49199	38910	36417
25°	48954	36766	33881
30°	48615	34680	31488
35°	48389	32607	29144
40°	48005	30499	26870
45°	47541	28392	24508
50°	46853	26149	22258
55°	45909	23707	19849
60°	44633	21030	17330
65°	42676	18072	14360
70°	39907	14611	11106
75°	35691	10523	7959
80°	28579	6253	4942
85°	17622	2701	1999



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.1	3.2
10°-20°	840.9	9.1
20°-30°	1288.4	13.9
30°-40°	1577.0	17.0
40°-50°	1668.8	18.0
50°-60°	1543.4	16.7
60°-70°	1198.5	12.9
70°-80°	675.1	7.3
80°-90°	170.7	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°	2421.4	26.2
0°-40°	3998.4	43.2
0°-60°	7210.7	77.9
0°-90°	9255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3082	3082	3082	3082	3082	
5°	3092	3079	3050	3079	3073	294
15°	2993	2983	2961	2986	2974	845
25°	2807	2797	2778	2801	2794	1294
35°	2532	2522	2513	2519	2519	1583
45°	2173	2170	2164	2160	2151	1675
55°	1732	1738	1732	1725	1716	1545
65°	1220	1229	1223	1207	1184	1210
75°	663	663	634	618	605	698
85°	141	141	138	138	134	175
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3082.3	3082.3	3082.3	3082.3	3082.3
2.5°	3098.3	3085.5	3056.7	3085.5	3079.1
5°	3091.9	3079.1	3050.3	3079.1	3072.7
7.5°	3075.9	3066.3	3034.3	3063.1	3056.7
10°	3053.5	3043.9	3015.1	3043.9	3034.3
12.5°	3024.7	3015.1	2989.5	3015.1	3008.7
15°	2992.7	2983.1	2960.7	2986.3	2973.5
17.5°	2954.3	2947.9	2922.3	2947.9	2935.1
20°	2912.7	2899.9	2877.5	2903.1	2896.7
22.5°	2861.5	2855.1	2832.6	2855.1	2848.6
25°	2807.0	2797.4	2778.2	2800.6	2794.2
27.5°	2746.2	2739.8	2720.6	2736.6	2736.6
30°	2675.8	2672.6	2656.6	2672.6	2669.4
32.5°	2608.6	2602.2	2586.2	2599.0	2592.6
35°	2531.8	2522.2	2512.6	2519.0	2519.0
37.5°	2445.4	2442.2	2432.6	2442.2	2432.6
40°	2362.1	2355.7	2346.1	2349.3	2349.3
42.5°	2269.3	2266.1	2256.5	2256.5	2253.3
45°	2173.3	2170.1	2163.7	2160.5	2150.9
47.5°	2067.7	2064.5	2064.5	2061.3	2054.9
50°	1962.0	1962.0	1958.8	1949.2	1946.0
52.5°	1846.8	1853.2	1843.6	1837.2	1834.0
55°	1731.6	1738.0	1731.6	1725.2	1715.6
57.5°	1603.6	1616.4	1606.8	1603.6	1600.4
60°	1485.1	1491.5	1485.1	1475.5	1469.1
62.5°	1363.5	1363.5	1353.9	1347.5	1328.3
65°	1219.5	1229.1	1222.7	1206.7	1184.3
67.5°	1091.4	1085.0	1078.6	1059.4	1033.8
70°	944.2	947.4	937.8	909.0	883.4
72.5°	803.4	809.8	790.6	752.2	745.8
75°	662.6	662.6	633.7	617.7	604.9
77.5°	518.5	521.7	483.3	480.1	476.9
80°	380.9	387.3	348.9	358.5	355.3
82.5°	259.3	252.9	236.9	236.9	233.7
85°	140.8	140.8	137.6	137.6	134.4
87.5°	54.4	57.6	64.0	70.4	67.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)