

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: P218001

Luminaire Tested: **4SNLED-LD5-85HL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218001  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8556.0 lumens  
Efficiency: N/A  
Efficacy: 138.4 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

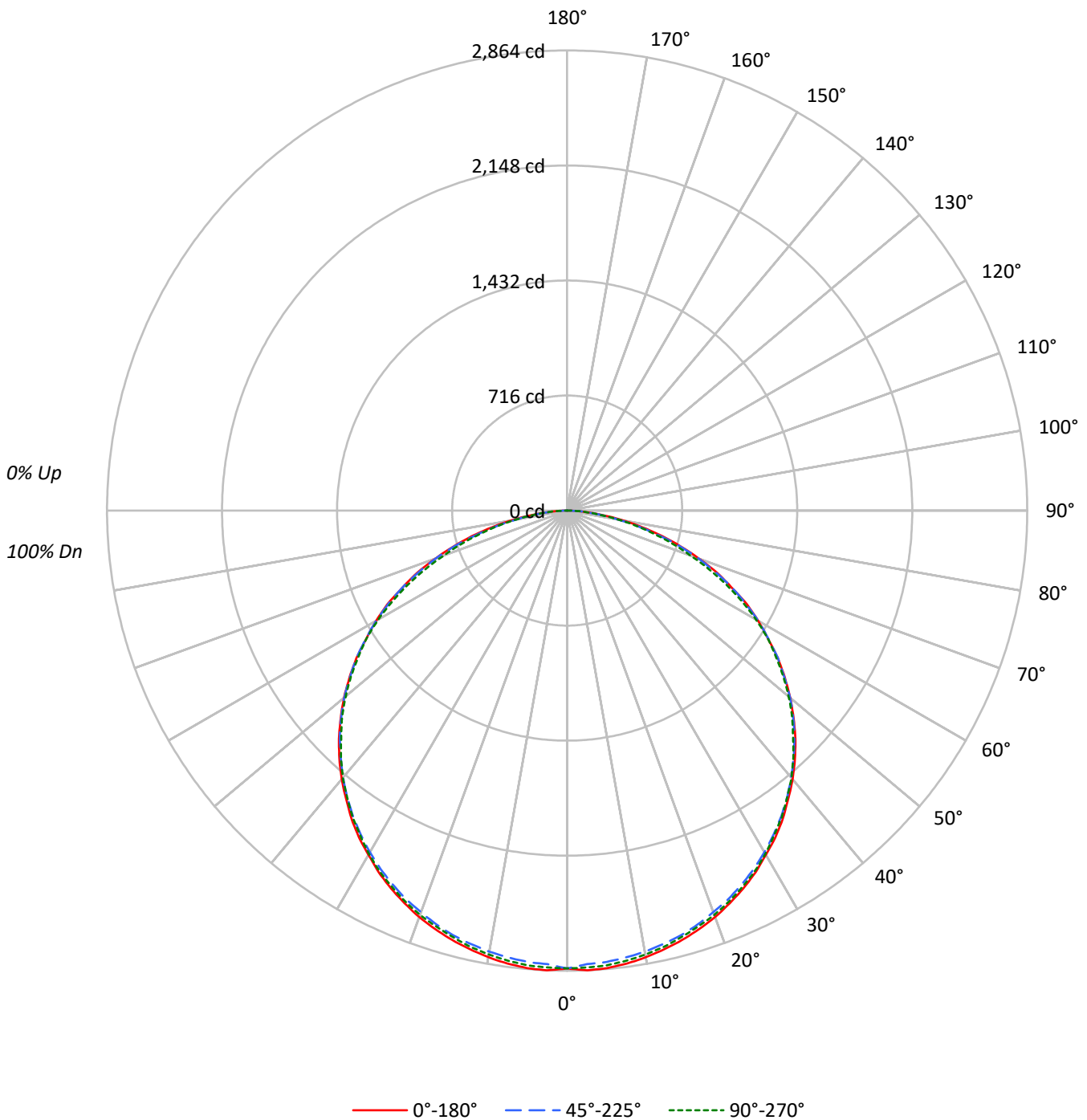
Input Watts (W): 61.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	45916	45916	45916
5°	46067	42851	42251
10°	45851	40365	39018
15°	45644	38134	36167
20°	45483	35971	33666
25°	45257	33989	31322
30°	44943	32062	29110
35°	44734	30144	26943
40°	44379	28195	24841
45°	43951	26248	22656
50°	43316	24174	20577
55°	42441	21916	18350
60°	41264	19442	16021
65°	39453	16706	13275
70°	36893	13508	10268
75°	32993	9729	7357
80°	26418	5780	4568
85°	16296	2497	1849



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	270.1	3.2
10°-20°	777.4	9.1
20°-30°	1191.1	13.9
30°-40°	1457.9	17.0
40°-50°	1542.8	18.0
50°-60°	1426.9	16.7
60°-70°	1108.0	12.9
70°-80°	624.1	7.3
80°-90°	157.8	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°	2238.5	26.2
0°-40°	3696.4	43.2
0°-60°	6666.1	77.9
0°-90°	8556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8556.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2850	2850	2850	2850	2850	
5°	2858	2846	2820	2846	2841	272
15°	2767	2758	2737	2761	2749	781
25°	2595	2586	2568	2589	2583	1196
35°	2341	2332	2323	2329	2329	1463
45°	2009	2006	2000	1997	1988	1548
55°	1601	1607	1601	1595	1586	1428
65°	1127	1136	1130	1116	1095	1118
75°	612	612	586	571	559	645
85°	130	130	127	127	124	162
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2849.5	2849.5	2849.5	2849.5	2849.5
2.5°	2864.3	2852.5	2825.8	2852.5	2846.5
5°	2858.4	2846.5	2819.9	2846.5	2840.6
7.5°	2843.6	2834.7	2805.1	2831.8	2825.8
10°	2822.9	2814.0	2787.4	2814.0	2805.1
12.5°	2796.2	2787.4	2763.7	2787.4	2781.4
15°	2766.7	2757.8	2737.1	2760.7	2748.9
17.5°	2731.1	2725.2	2701.6	2725.2	2713.4
20°	2692.7	2680.8	2660.1	2683.8	2677.9
22.5°	2645.3	2639.4	2618.7	2639.4	2633.5
25°	2595.0	2586.2	2568.4	2589.1	2583.2
27.5°	2538.8	2532.9	2515.1	2529.9	2529.9
30°	2473.7	2470.8	2456.0	2470.8	2467.8
32.5°	2411.6	2405.7	2390.9	2402.7	2396.8
35°	2340.6	2331.7	2322.8	2328.7	2328.7
37.5°	2260.7	2257.7	2248.8	2257.7	2248.8
40°	2183.7	2177.8	2168.9	2171.9	2171.9
42.5°	2097.9	2095.0	2086.1	2086.1	2083.1
45°	2009.2	2006.2	2000.3	1997.3	1988.4
47.5°	1911.5	1908.5	1908.5	1905.6	1899.7
50°	1813.9	1813.9	1810.9	1802.0	1799.1
52.5°	1707.3	1713.3	1704.4	1698.5	1695.5
55°	1600.8	1606.7	1600.8	1594.9	1586.0
57.5°	1482.5	1494.3	1485.4	1482.5	1479.5
60°	1373.0	1378.9	1373.0	1364.1	1358.2
62.5°	1260.5	1260.5	1251.7	1245.7	1228.0
65°	1127.4	1136.3	1130.3	1115.5	1094.8
67.5°	1009.0	1003.1	997.2	979.4	955.8
70°	872.9	875.9	867.0	840.4	816.7
72.5°	742.7	748.6	730.9	695.4	689.4
75°	612.5	612.5	585.9	571.1	559.2
77.5°	479.4	482.3	446.8	443.8	440.9
80°	352.1	358.0	322.5	331.4	328.4
82.5°	239.7	233.8	219.0	219.0	216.0
85°	130.2	130.2	127.2	127.2	124.3
87.5°	50.3	53.3	59.2	65.1	62.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)