

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: P218605

Luminaire Tested: **4SNLED-LD5-45HL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35747)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-45HL-RW-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4627.0 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 0.85 / 0.95  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

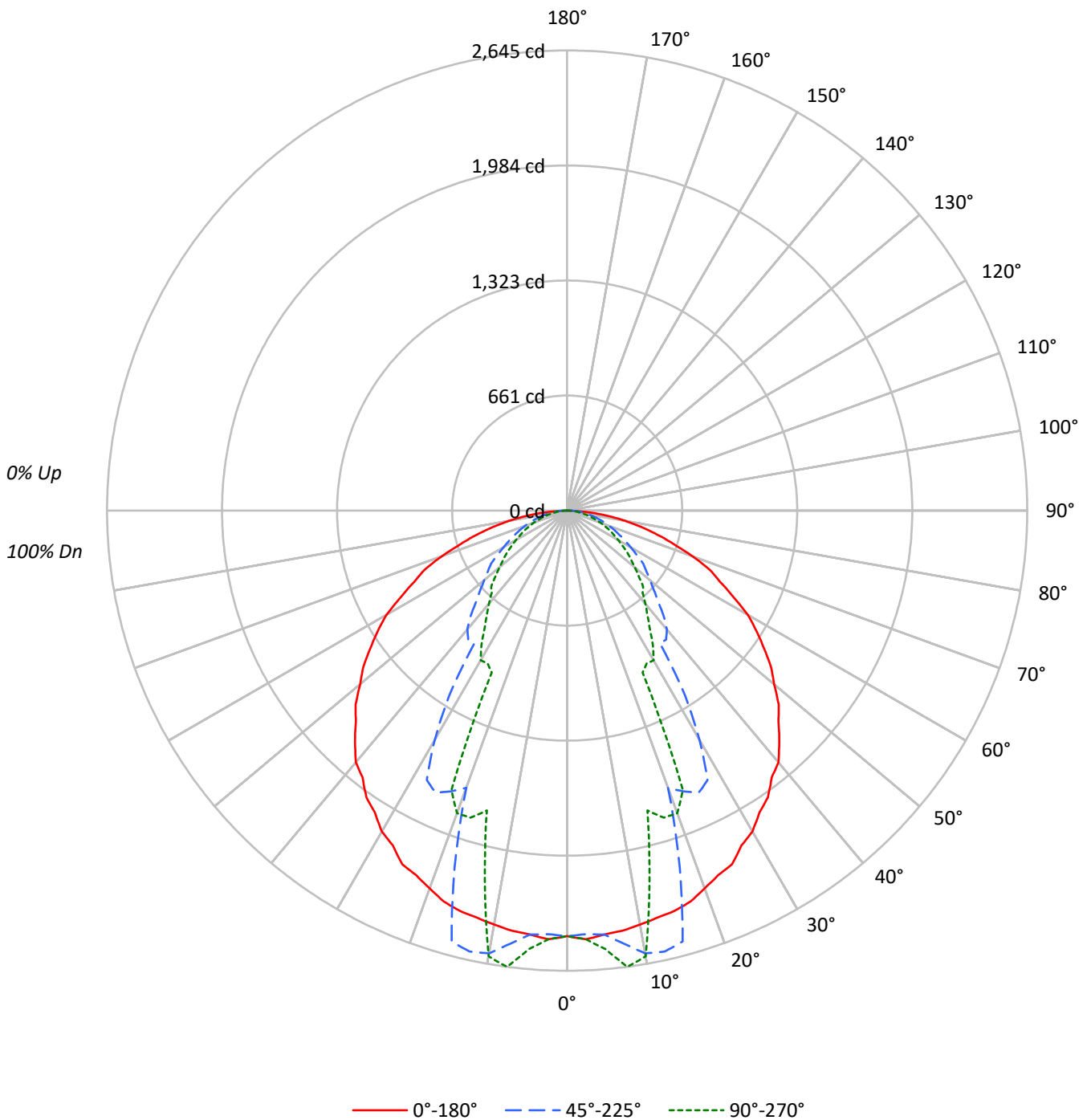
Input Watts (W): 37  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88					85				
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75					73				
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65					63				
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57					55				
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51					49				
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46					44				
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41					39				
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37					36				
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34					33				
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32					30				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	39416	39416	39416
5°	39422	37160	37631
10°	39250	37423	36190
15°	39309	35729	23470
20°	39032	22941	23268
25°	39121	23672	12447
30°	38695	19894	11726
35°	38443	12087	9569
40°	38386	11594	8010
45°	37572	9688	7040
50°	37081	8286	5810
55°	36630	7311	4899
60°	36038	5976	4014
65°	33973	4935	3288
70°	32307	3995	2577
75°	29071	3100	1835
80°	25165	2222	1185
85°	17547	1411	513



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.7	5.2
10°-20°	639.5	13.8
20°-30°	827.3	17.9
30°-40°	785.6	17.0
40°-50°	756.2	16.3
50°-60°	600.8	13.0
60°-70°	437.2	9.4
70°-80°	254.4	5.5
80°-90°	87.2	1.9
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°	1705.5	36.9
0°-40°	2491.1	53.8
0°-60°	3848.2	83.2
0°-90°	4627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4627.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2446	2446	2446	2446	2446	
5°	2446	2440	2445	2503	2530	233
15°	2383	2495	2564	2002	1784	672
25°	2243	2379	1789	1444	1026	1028
35°	2011	1548	931	865	827	1255
45°	1718	1460	738	626	618	1331
55°	1382	831	534	435	423	1236
65°	971	514	334	281	271	970
75°	540	271	187	153	140	573
85°	140	113	72	47	34	163
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2446.1	2446.1	2446.1	2446.1	2446.1
2.5°	2466.5	2447.5	2437.0	2438.4	2465.8
5°	2446.1	2440.5	2445.4	2503.2	2530.0
7.5°	2435.5	2423.6	2510.9	2610.3	2644.8
10°	2416.5	2449.6	2584.2	2625.1	2601.8
12.5°	2396.8	2469.4	2595.5	2329.9	2184.0
15°	2382.7	2494.7	2564.5	2002.3	1783.9
17.5°	2356.6	2510.9	2154.4	1778.2	1850.8
20°	2310.8	2503.2	1696.5	1854.3	1850.8
22.5°	2268.6	2459.5	1746.5	1818.4	1737.4
25°	2243.2	2379.2	1788.8	1444.3	1026.5
27.5°	2169.9	2182.6	1747.2	1002.5	990.6
30°	2129.8	1991.0	1523.9	984.2	994.1
32.5°	2057.9	1770.5	1262.5	948.3	916.6
35°	2011.4	1548.5	931.4	865.2	827.1
37.5°	1932.5	1559.8	934.2	793.3	757.4
40°	1888.8	1569.7	891.9	724.3	700.3
42.5°	1805.0	1532.3	821.5	667.9	641.8
45°	1717.6	1460.5	738.3	625.6	617.9
47.5°	1648.6	1258.3	677.0	585.5	557.3
50°	1552.8	1000.4	620.7	531.9	508.0
52.5°	1477.4	851.8	574.9	485.4	462.9
55°	1381.6	831.3	534.0	434.7	423.4
57.5°	1291.4	760.9	473.4	394.5	376.9
60°	1199.1	673.5	422.0	355.8	340.3
62.5°	1078.6	582.6	376.9	316.3	301.5
65°	970.8	514.3	333.9	281.1	271.2
67.5°	887.0	461.5	295.2	246.6	233.2
70°	764.4	402.3	256.4	213.5	205.0
72.5°	643.2	328.3	220.5	183.9	168.4
75°	539.7	271.2	186.7	152.9	139.5
77.5°	438.2	226.9	155.0	125.4	111.3
80°	335.4	184.6	124.0	97.9	85.2
82.5°	237.4	147.2	97.2	71.2	59.9
85°	140.2	113.4	71.9	47.2	34.5
87.5°	55.7	85.2	47.2	23.2	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)