

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: P218583

Luminaire Tested: **4SNLED-LD5-46SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-46SL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5560.0 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

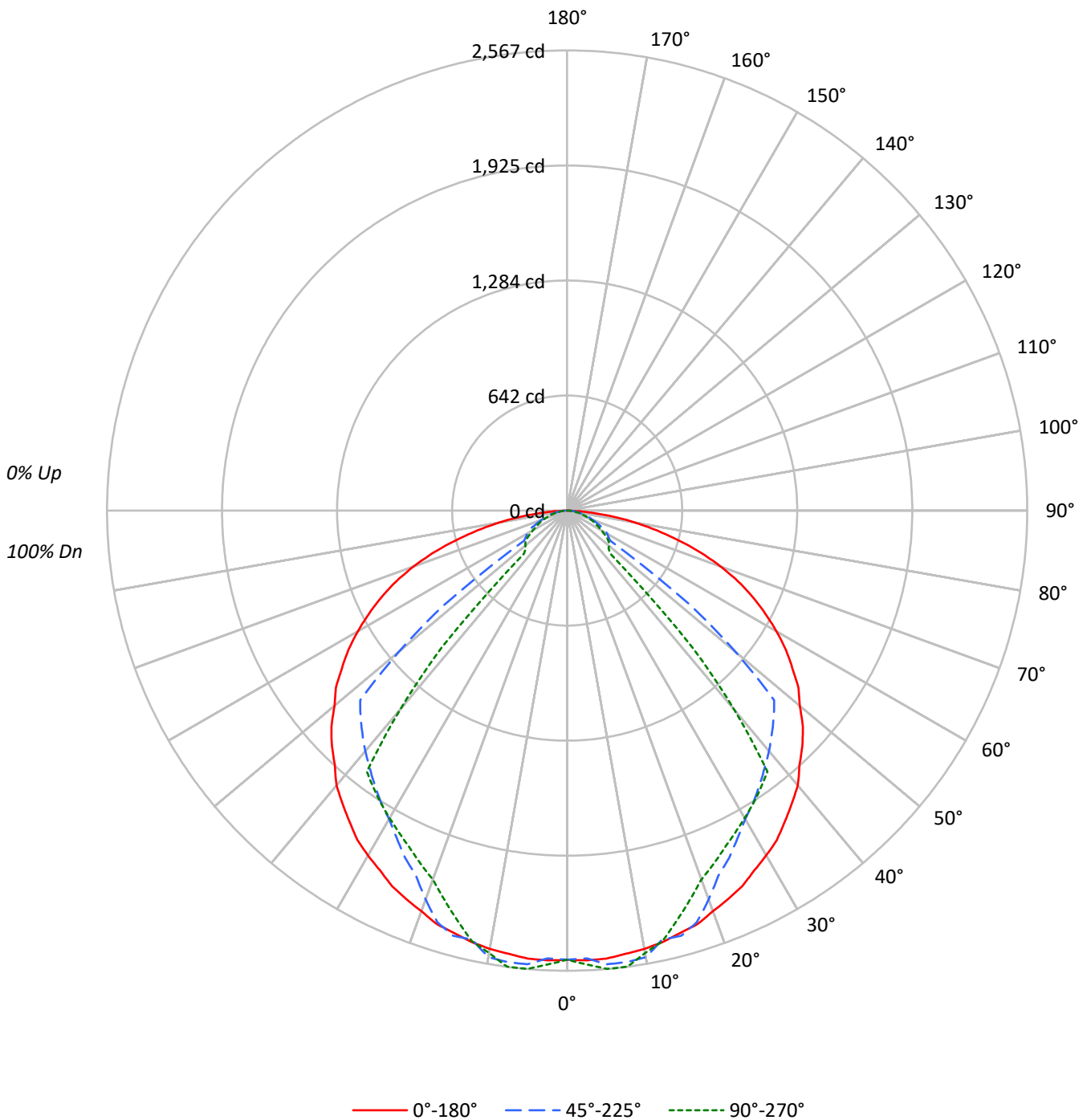
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87				87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75				75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65				65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57				57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50				50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45				45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40				40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36				36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33				33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30				30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40376	40376	40376
5°	40429	38605	38175
10°	40322	36622	34853
15°	40237	34223	31135
20°	40169	31216	27528
25°	40311	28286	25178
30°	40361	25934	23366
35°	40463	24274	21809
40°	40668	22770	16618
45°	40600	21386	3866
50°	40444	16376	3483
55°	40673	4010	3187
60°	40528	3655	2600
65°	39985	3086	2145
70°	38487	2395	1677
75°	34679	1782	1221
80°	28721	1195	766
85°	17059	683	345



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.9	4.4
10°-20°	685.7	12.3
20°-30°	1009.9	18.2
30°-40°	1215.6	21.9
40°-50°	1041.1	18.7
50°-60°	673.6	12.1
60°-70°	447.8	8.1
70°-80°	191.0	3.4
80°-90°	53.4	1.0
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°	1937.5	34.8
0°-40°	3153.1	56.7
0°-60°	4867.8	87.6
0°-90°	5560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5560.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2506	2506	2506	2506	2506	
5°	2509	2517	2540	2570	2567	238
15°	2439	2506	2456	2404	2366	690
25°	2311	2326	2137	2091	2076	1065
35°	2117	2036	1870	1885	1885	1327
45°	1856	1650	1630	995	339	1431
55°	1534	1302	293	278	276	1372
65°	1143	821	209	180	177	1127
75°	644	151	107	96	93	682
85°	136	41	35	26	23	174
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2505.7	2505.7	2505.7	2505.7	2505.7
2.5°	2511.5	2502.8	2499.9	2531.8	2534.7
5°	2508.6	2517.3	2540.5	2569.5	2566.6
7.5°	2494.1	2523.1	2540.5	2584.0	2566.6
10°	2482.5	2534.7	2528.9	2531.8	2505.7
12.5°	2465.1	2514.4	2450.6	2494.1	2459.3
15°	2439.0	2505.7	2456.4	2404.2	2366.5
17.5°	2418.7	2488.3	2407.1	2282.4	2276.6
20°	2378.1	2415.8	2308.5	2218.6	2189.6
22.5°	2346.2	2389.7	2204.1	2143.2	2134.5
25°	2311.4	2325.9	2137.4	2091.0	2076.5
27.5°	2262.1	2291.1	2059.1	2035.9	2027.2
30°	2221.5	2221.5	1986.6	1986.6	1980.8
32.5°	2178.0	2128.7	1931.5	1934.4	1934.4
35°	2117.1	2035.9	1870.5	1885.0	1885.0
37.5°	2059.1	1922.7	1809.6	1832.8	1835.7
40°	2001.1	1835.7	1751.6	1777.7	1452.9
42.5°	1919.8	1740.0	1690.7	1368.8	1035.3
45°	1856.0	1650.1	1629.8	994.7	339.3
47.5°	1783.5	1563.1	1566.0	316.1	313.2
50°	1693.6	1473.2	1226.7	298.7	304.5
52.5°	1626.9	1392.0	864.2	290.0	292.9
55°	1534.1	1302.1	292.9	278.4	275.5
57.5°	1447.1	1218.0	272.6	258.1	246.5
60°	1348.5	1128.1	258.1	229.1	220.4
62.5°	1247.0	1038.2	237.8	203.0	197.2
65°	1142.6	820.7	208.8	179.8	176.9
67.5°	1032.4	539.4	176.9	159.5	156.6
70°	910.6	211.7	153.7	139.2	133.4
72.5°	783.0	182.7	130.5	118.9	113.1
75°	643.8	150.8	107.3	95.7	92.8
77.5°	513.3	113.1	87.0	75.4	72.5
80°	382.8	84.1	66.7	58.0	55.1
82.5°	261.0	60.9	49.3	40.6	37.7
85°	136.3	40.6	34.8	26.1	23.2
87.5°	52.2	26.1	20.3	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)