

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: P218586

Luminaire Tested: **4SNLED-LD5-50SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218586
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-LD5-50SL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5552.0 lumens
Efficiency: N/A
Efficacy: 129.7 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

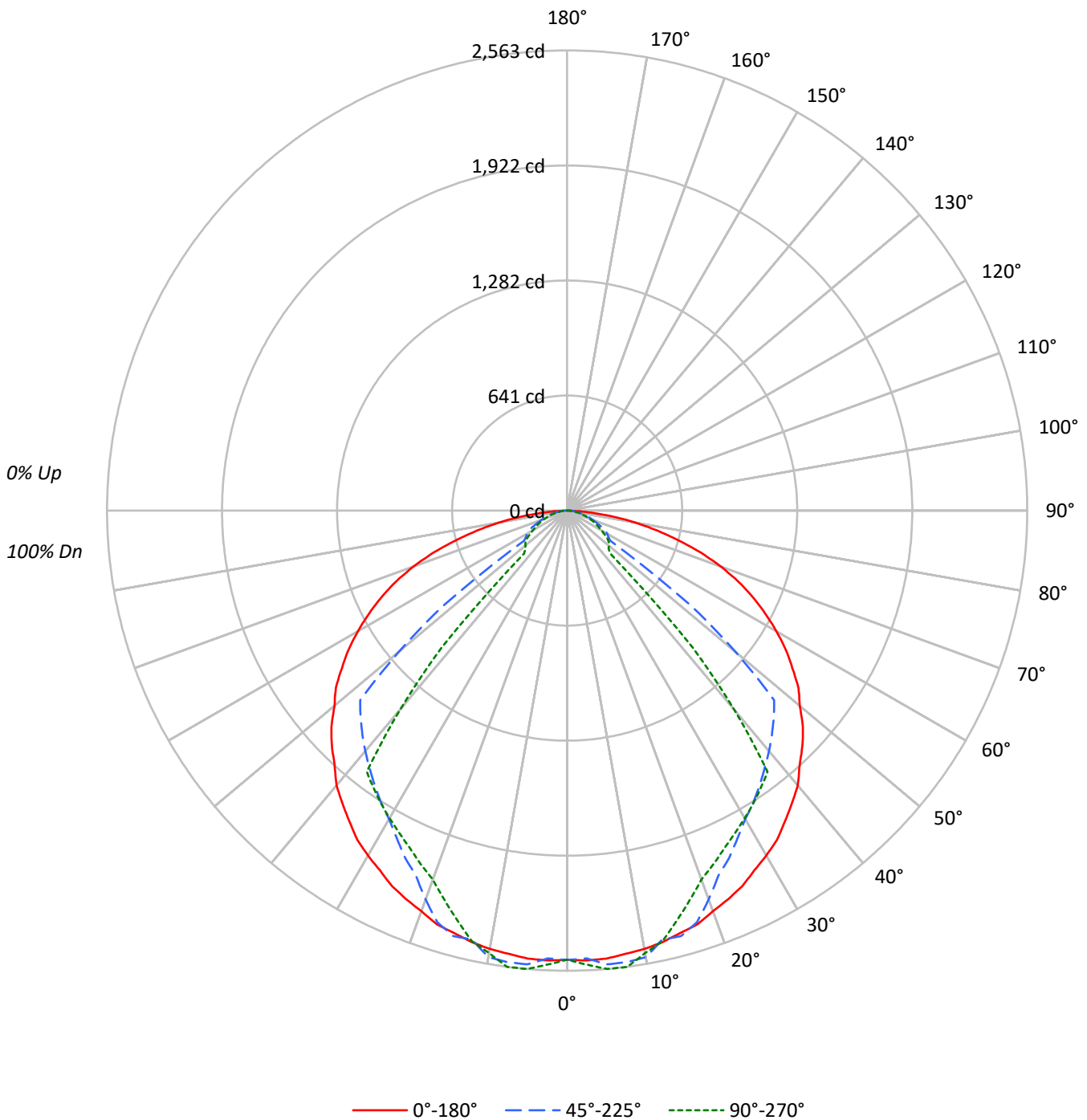
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	40318	40318	40318
5°	40371	38549	38120
10°	40264	36568	34803
15°	40180	34173	31091
20°	40110	31170	27487
25°	40251	28245	25142
30°	40303	25896	23331
35°	40404	24241	21778
40°	40609	22738	16594
45°	40543	21356	3860
50°	40386	16353	3478
55°	40614	4004	3183
60°	40471	3649	2596
65°	39929	3082	2143
70°	38432	2392	1675
75°	34630	1779	1220
80°	28684	1194	765
85°	17034	683	345



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.5	4.4
10°-20°	684.7	12.3
20°-30°	1008.5	18.2
30°-40°	1213.8	21.9
40°-50°	1039.6	18.7
50°-60°	672.7	12.1
60°-70°	447.2	8.1
70°-80°	190.7	3.4
80°-90°	53.3	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°	1934.7	34.8
0°-40°	3148.5	56.7
0°-60°	4860.8	87.6
0°-90°	5552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5552.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2502	2502	2502	2502	2502	
5°	2505	2514	2537	2566	2563	238
15°	2436	2502	2453	2401	2363	689
25°	2308	2322	2134	2088	2074	1063
35°	2114	2033	1868	1882	1882	1325
45°	1853	1648	1628	993	339	1429
55°	1532	1300	292	278	275	1370
65°	1141	820	208	180	177	1125
75°	643	151	107	96	93	681
85°	136	40	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°	2502.1	2502.1	2502.1	2502.1	2502.1
2.5°	2507.9	2499.2	2496.3	2528.1	2531.0
5°	2505.0	2513.6	2536.8	2565.8	2562.9
7.5°	2490.5	2519.4	2536.8	2580.2	2562.9
10°	2478.9	2531.0	2525.2	2528.1	2502.1
12.5°	2461.5	2510.7	2447.0	2490.5	2455.7
15°	2435.5	2502.1	2452.8	2400.7	2363.1
17.5°	2415.2	2484.7	2403.6	2279.1	2273.3
20°	2374.6	2412.3	2305.1	2215.4	2186.4
22.5°	2342.8	2386.2	2200.9	2140.1	2131.4
25°	2308.0	2322.5	2134.3	2087.9	2073.5
27.5°	2258.8	2287.8	2056.1	2032.9	2024.2
30°	2218.3	2218.3	1983.7	1983.7	1977.9
32.5°	2174.8	2125.6	1928.7	1931.6	1931.6
35°	2114.0	2032.9	1867.9	1882.3	1882.3
37.5°	2056.1	1920.0	1807.0	1830.2	1833.1
40°	1998.2	1833.1	1749.1	1775.2	1450.8
42.5°	1917.1	1737.5	1688.3	1366.9	1033.8
45°	1853.4	1647.8	1627.5	993.3	338.8
47.5°	1781.0	1560.9	1563.8	315.7	312.8
50°	1691.2	1471.1	1225.0	298.3	304.1
52.5°	1624.6	1390.0	863.0	289.6	292.5
55°	1531.9	1300.3	292.5	278.0	275.1
57.5°	1445.1	1216.3	272.2	257.7	246.2
60°	1346.6	1126.5	257.7	228.8	220.1
62.5°	1245.2	1036.7	237.5	202.7	196.9
65°	1141.0	819.5	208.5	179.5	176.7
67.5°	1030.9	538.6	176.7	159.3	156.4
70°	909.3	211.4	153.5	139.0	133.2
72.5°	781.9	182.4	130.3	118.7	112.9
75°	642.9	150.6	107.1	95.6	92.7
77.5°	512.6	112.9	86.9	75.3	72.4
80°	382.3	84.0	66.6	57.9	55.0
82.5°	260.6	60.8	49.2	40.5	37.6
85°	136.1	40.5	34.8	26.1	23.2
87.5°	52.1	26.1	20.3	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)