

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: P218477

Luminaire Tested: **4SNLED-LD5-65SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-65SL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6660.0 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

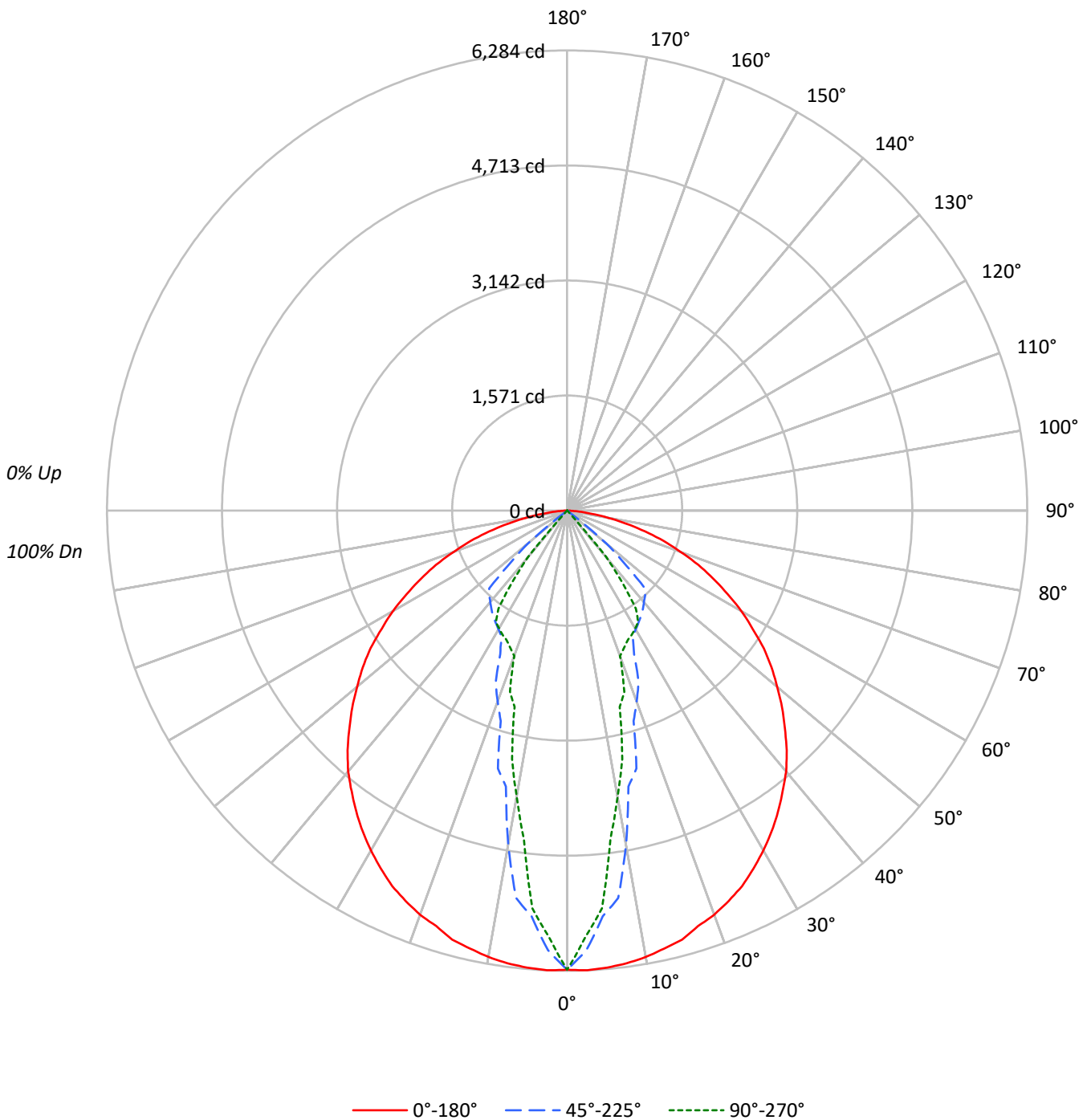
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	101044	101044	101044
5°	100958	84527	81109
10°	100545	67034	55164
15°	100052	50813	36507
20°	99178	37478	26548
25°	98638	28627	23693
30°	97378	24458	21910
35°	95977	22809	18920
40°	94532	21217	9499
45°	91964	19726	36
50°	89403	9369	0
55°	86881	308	0
60°	82621	228	0
65°	77052	95	0
70°	69661	50	0
75°	59300	53	42
80°	42512	57	45
85°	20551	63	48



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.5	7.8
10°-20°	1115.6	16.8
20°-30°	1330.9	20.0
30°-40°	1416.1	21.3
40°-50°	1034.6	15.5
50°-60°	660.8	9.9
60°-70°	397.9	6.0
70°-80°	155.1	2.3
80°-90°	31.4	0.5
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°	2964.0	44.5
0°-40°	4380.1	65.8
0°-60°	6075.6	91.2
0°-90°	6660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6660.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6271	6271	6271	6271	6271	
5°	6264	5958	5562	5463	5453	596
15°	6065	5173	3647	2842	2775	1708
25°	5656	3605	2163	1970	1954	2603
35°	5022	2382	1758	1758	1635	3141
45°	4204	1542	1503	6	3	3247
55°	3277	1217	22	3	0	2917
65°	2202	496	6	3	0	2179
75°	1101	26	3	3	3	1163
85°	164	3	3	3	3	228
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6270.7	6270.7	6270.7	6270.7	6270.7
2.5°	6283.6	6241.8	6010.0	5913.4	5820.1
5°	6264.3	5958.5	5562.5	5462.7	5453.1
7.5°	6235.3	5672.0	5337.2	4764.2	4522.8
10°	6190.2	5485.3	4629.0	4146.1	3965.9
12.5°	6125.9	5208.4	3859.6	3582.8	3476.6
15°	6064.7	5173.0	3647.2	2842.4	2774.8
17.5°	5948.8	4452.0	3013.0	2671.8	2594.6
20°	5871.6	4123.6	2771.6	2317.7	2111.7
22.5°	5768.5	3930.5	2549.5	2108.5	2028.0
25°	5655.9	3605.3	2163.2	1970.1	1954.0
27.5°	5511.0	3170.8	1937.9	1918.6	1912.1
30°	5359.7	2691.1	1873.5	1867.1	1857.4
32.5°	5195.6	2501.2	1815.5	1815.5	1805.9
35°	5021.7	2382.1	1757.6	1757.6	1635.3
37.5°	4835.0	2230.8	1699.7	1699.7	1229.7
40°	4651.5	1912.1	1632.1	1133.1	830.5
42.5°	4439.1	1651.4	1574.1	791.9	6.4
45°	4204.1	1541.9	1503.3	6.4	3.2
47.5°	3982.0	1464.7	1023.7	3.2	0.0
50°	3743.8	1381.0	701.8	3.2	0.0
52.5°	3518.4	1303.7	32.2	3.2	0.0
55°	3277.0	1216.8	22.5	3.2	0.0
57.5°	3003.4	1133.1	19.3	3.2	0.0
60°	2749.1	1043.0	16.1	3.2	0.0
62.5°	2469.0	885.2	9.7	3.2	0.0
65°	2201.8	495.7	6.4	3.2	0.0
67.5°	1937.9	80.5	6.4	3.2	0.0
70°	1648.2	54.7	3.2	3.2	0.0
72.5°	1381.0	41.8	3.2	3.2	3.2
75°	1100.9	25.8	3.2	3.2	3.2
77.5°	824.1	16.1	3.2	3.2	3.2
80°	566.6	9.7	3.2	3.2	3.2
82.5°	341.2	3.2	3.2	3.2	3.2
85°	164.2	3.2	3.2	3.2	3.2
87.5°	51.5	3.2	3.2	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)