

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: P218476

Luminaire Tested: **4SNLED-LD5-65SL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218476
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6530.1 lumens
Efficiency: N/A
Efficacy: 118.9 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

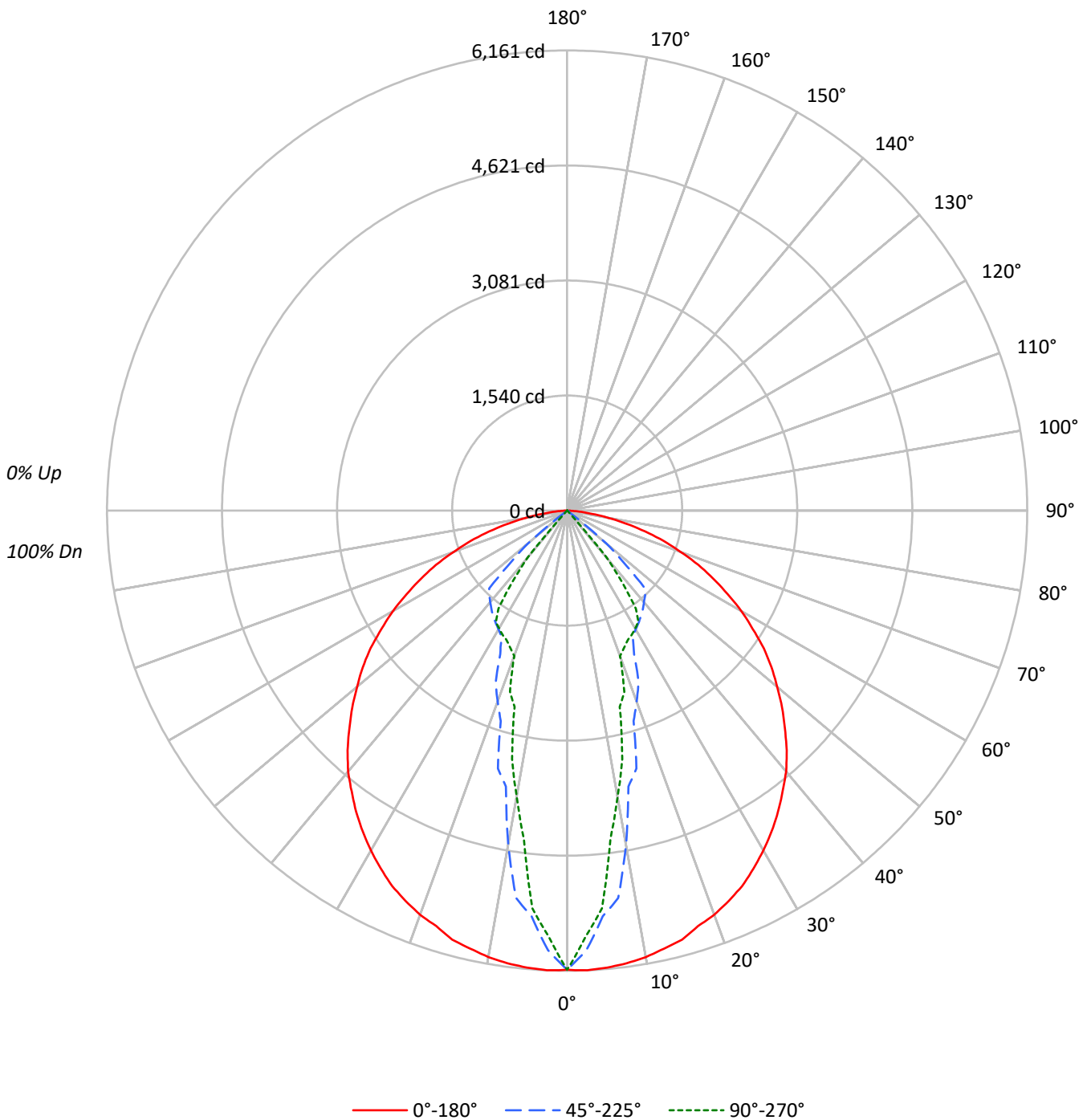
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	99072	99072	99072
5°	98986	82878	79525
10°	98583	65725	54087
15°	98099	49821	35796
20°	97240	36747	26030
25°	96713	28069	23230
30°	95477	23980	21482
35°	94104	22364	18551
40°	92687	20802	9314
45°	90168	19342	36
50°	87657	9186	0
55°	85185	303	0
60°	81008	224	0
65°	75551	93	0
70°	68300	50	0
75°	58142	53	42
80°	41679	57	45
85°	20150	63	48



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.4	7.8
10°-20°	1093.8	16.8
20°-30°	1304.9	20.0
30°-40°	1388.5	21.3
40°-50°	1014.4	15.5
50°-60°	648.0	9.9
60°-70°	390.1	6.0
70°-80°	152.1	2.3
80°-90°	30.9	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°	2906.1	44.5
0°-40°	4294.6	65.8
0°-60°	5957.0	91.2
0°-90°	6530.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6530.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6148	6148	6148	6148	6148	
5°	6142	5842	5454	5356	5347	584
15°	5946	5072	3576	2787	2721	1675
25°	5546	3535	2121	1932	1916	2552
35°	4924	2336	1723	1723	1603	3080
45°	4122	1512	1474	6	3	3184
55°	3213	1193	22	3	0	2860
65°	2159	486	6	3	0	2136
75°	1079	25	3	3	3	1140
85°	161	3	3	3	3	224
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6148.3	6148.3	6148.3	6148.3	6148.3
2.5°	6160.9	6119.9	5892.7	5798.0	5706.4
5°	6142.0	5842.2	5454.0	5356.1	5346.6
7.5°	6113.6	5561.3	5233.0	4671.2	4434.5
10°	6069.4	5378.2	4538.6	4065.2	3888.5
12.5°	6006.3	5106.8	3784.3	3512.9	3408.7
15°	5946.3	5072.0	3576.0	2786.9	2720.7
17.5°	5832.7	4365.1	2954.2	2619.7	2543.9
20°	5756.9	4043.1	2717.5	2272.5	2070.5
22.5°	5655.9	3853.7	2499.7	2067.3	1988.4
25°	5545.5	3535.0	2121.0	1931.6	1915.8
27.5°	5403.5	3108.9	1900.0	1881.1	1874.8
30°	5255.1	2638.6	1836.9	1830.6	1821.1
32.5°	5094.1	2452.4	1780.1	1780.1	1770.6
35°	4923.7	2335.6	1723.3	1723.3	1603.4
37.5°	4740.6	2187.3	1666.5	1666.5	1205.7
40°	4560.7	1874.8	1600.2	1111.0	814.3
42.5°	4352.4	1619.1	1543.4	776.4	6.3
45°	4122.0	1511.8	1474.0	6.3	3.2
47.5°	3904.2	1436.1	1003.7	3.2	0.0
50°	3670.7	1354.0	688.1	3.2	0.0
52.5°	3449.8	1278.3	31.6	3.2	0.0
55°	3213.0	1193.1	22.1	3.2	0.0
57.5°	2944.8	1111.0	18.9	3.2	0.0
60°	2695.4	1022.6	15.8	3.2	0.0
62.5°	2420.8	868.0	9.5	3.2	0.0
65°	2158.9	486.1	6.3	3.2	0.0
67.5°	1900.0	78.9	6.3	3.2	0.0
70°	1616.0	53.7	3.2	3.2	0.0
72.5°	1354.0	41.0	3.2	3.2	3.2
75°	1079.4	25.2	3.2	3.2	3.2
77.5°	808.0	15.8	3.2	3.2	3.2
80°	555.5	9.5	3.2	3.2	3.2
82.5°	334.6	3.2	3.2	3.2	3.2
85°	161.0	3.2	3.2	3.2	3.2
87.5°	50.5	3.2	3.2	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)