

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: P217964

Luminaire Tested: **4SNLED-LD5-48SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-48SL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4816.0 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

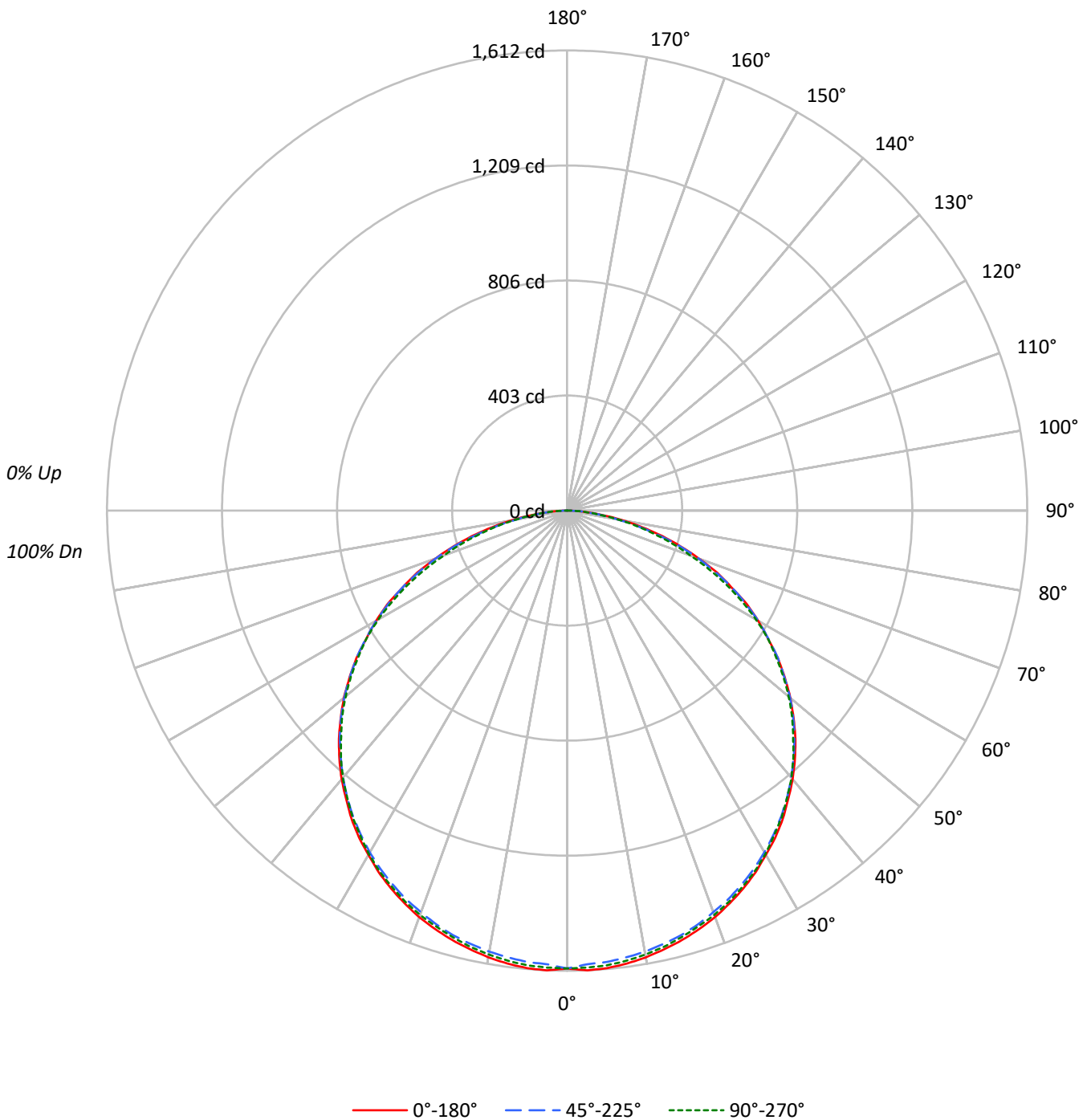
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25845	25845	25845
5°	25930	24120	23782
10°	25808	22721	21962
15°	25692	21464	20357
20°	25602	20247	18950
25°	25474	19132	17630
30°	25298	18046	16386
35°	25181	16968	15166
40°	24981	15871	13982
45°	24738	14774	12753
50°	24382	13607	11583
55°	23890	12337	10328
60°	23226	10943	9018
65°	22208	9403	7473
70°	20765	7603	5779
75°	18573	5477	4142
80°	14871	3253	2572
85°	9174	1405	1041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.0	3.2
10°-20°	437.6	9.1
20°-30°	670.4	13.9
30°-40°	820.6	17.0
40°-50°	868.4	18.0
50°-60°	803.2	16.7
60°-70°	623.7	12.9
70°-80°	351.3	7.3
80°-90°	88.9	1.8
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°	1260.0	26.2
0°-40°	2080.6	43.2
0°-60°	3752.2	77.9
0°-90°	4816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4816.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1604	1604	1604	1604	1604	
5°	1609	1602	1587	1602	1599	153
15°	1557	1552	1541	1554	1547	440
25°	1461	1456	1446	1457	1454	673
35°	1318	1312	1308	1311	1311	824
45°	1131	1129	1126	1124	1119	872
55°	901	904	901	898	893	804
65°	635	640	636	628	616	630
75°	345	345	330	322	315	363
85°	73	73	72	72	70	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1603.9	1603.9	1603.9	1603.9	1603.9
2.5°	1612.3	1605.6	1590.6	1605.6	1602.3
5°	1608.9	1602.3	1587.3	1602.3	1598.9
7.5°	1600.6	1595.6	1578.9	1593.9	1590.6
10°	1588.9	1583.9	1569.0	1583.9	1578.9
12.5°	1573.9	1569.0	1555.6	1569.0	1565.6
15°	1557.3	1552.3	1540.6	1554.0	1547.3
17.5°	1537.3	1534.0	1520.7	1534.0	1527.3
20°	1515.7	1509.0	1497.3	1510.7	1507.3
22.5°	1489.0	1485.7	1474.0	1485.7	1482.3
25°	1460.7	1455.7	1445.7	1457.4	1454.0
27.5°	1429.0	1425.7	1415.7	1424.0	1424.0
30°	1392.4	1390.7	1382.4	1390.7	1389.1
32.5°	1357.4	1354.1	1345.8	1352.4	1349.1
35°	1317.5	1312.5	1307.5	1310.8	1310.8
37.5°	1272.5	1270.8	1265.8	1270.8	1265.8
40°	1229.2	1225.8	1220.9	1222.5	1222.5
42.5°	1180.9	1179.2	1174.2	1174.2	1172.6
45°	1130.9	1129.2	1125.9	1124.2	1119.3
47.5°	1075.9	1074.3	1074.3	1072.6	1069.3
50°	1021.0	1021.0	1019.3	1014.3	1012.7
52.5°	961.0	964.4	959.4	956.0	954.4
55°	901.1	904.4	901.1	897.7	892.7
57.5°	834.4	841.1	836.1	834.4	832.8
60°	772.8	776.1	772.8	767.8	764.5
62.5°	709.5	709.5	704.5	701.2	691.2
65°	634.6	639.6	636.2	627.9	616.3
67.5°	568.0	564.6	561.3	551.3	538.0
70°	491.3	493.0	488.0	473.0	459.7
72.5°	418.1	421.4	411.4	391.4	388.1
75°	344.8	344.8	329.8	321.5	314.8
77.5°	269.8	271.5	251.5	249.8	248.2
80°	198.2	201.5	181.5	186.5	184.9
82.5°	134.9	131.6	123.3	123.3	121.6
85°	73.3	73.3	71.6	71.6	70.0
87.5°	28.3	30.0	33.3	36.6	35.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)