

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: P217965

Luminaire Tested: **4SNLED-LD5-48SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217965  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4912.0 lumens  
Efficiency: N/A  
Efficacy: 142.0 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

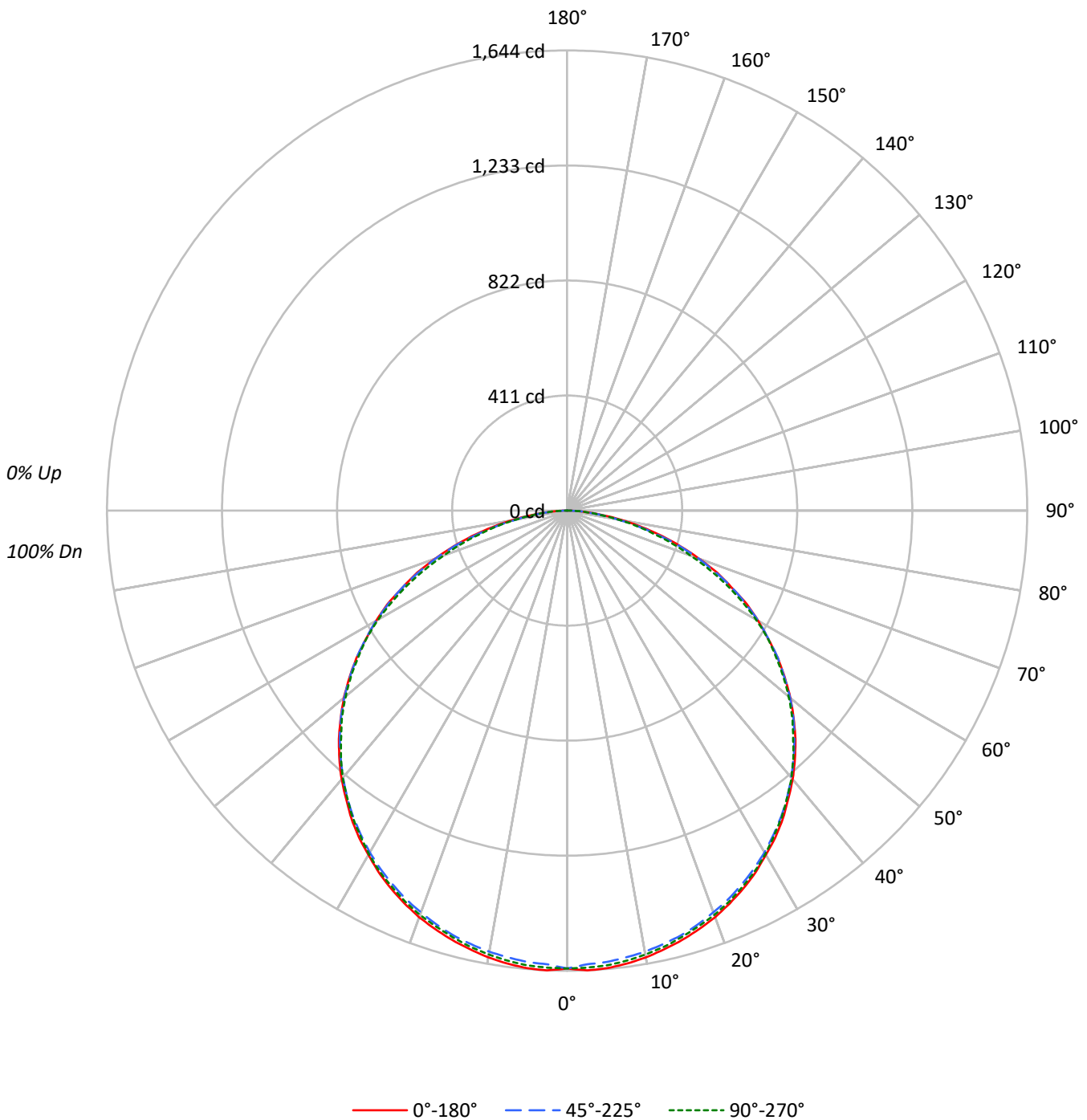
Input Watts (W): 34.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	26360	26360	26360
5°	26447	24601	24256
10°	26323	23173	22400
15°	26203	21892	20763
20°	26112	20651	19328
25°	25982	19513	17982
30°	25803	18407	16713
35°	25681	17305	15468
40°	25479	16187	14262
45°	25233	15069	13007
50°	24866	13878	11813
55°	24365	12582	10534
60°	23689	11161	9197
65°	22649	9591	7621
70°	21179	7754	5895
75°	18939	5586	4225
80°	15171	3319	2623
85°	9349	1433	1061



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.0	3.2
10°-20°	446.3	9.1
20°-30°	683.8	13.9
30°-40°	837.0	17.0
40°-50°	885.7	18.0
50°-60°	819.2	16.7
60°-70°	636.1	12.9
70°-80°	358.3	7.3
80°-90°	90.6	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°	1285.1	26.2
0°-40°	2122.1	43.2
0°-60°	3827.0	77.9
0°-90°	4912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4912.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1636	1636	1636	1636	1636	
5°	1641	1634	1619	1634	1631	156
15°	1588	1583	1571	1585	1578	449
25°	1490	1485	1474	1486	1483	687
35°	1344	1339	1334	1337	1337	840
45°	1154	1152	1148	1147	1142	889
55°	919	922	919	916	910	820
65°	647	652	649	640	628	642
75°	352	352	336	328	321	370
85°	75	75	73	73	71	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1635.9	1635.9	1635.9	1635.9	1635.9
2.5°	1644.4	1637.6	1622.3	1637.6	1634.2
5°	1641.0	1634.2	1618.9	1634.2	1630.8
7.5°	1632.5	1627.4	1610.4	1625.7	1622.3
10°	1620.6	1615.5	1600.2	1615.5	1610.4
12.5°	1605.3	1600.2	1586.6	1600.2	1596.8
15°	1588.3	1583.2	1571.3	1584.9	1578.1
17.5°	1568.0	1564.6	1551.0	1564.6	1557.8
20°	1545.9	1539.1	1527.2	1540.8	1537.4
22.5°	1518.7	1515.3	1503.4	1515.3	1511.9
25°	1489.8	1484.7	1474.5	1486.4	1483.0
27.5°	1457.5	1454.1	1443.9	1452.4	1452.4
30°	1420.2	1418.5	1410.0	1418.5	1416.8
32.5°	1384.5	1381.1	1372.6	1379.4	1376.0
35°	1343.7	1338.6	1333.5	1336.9	1336.9
37.5°	1297.8	1296.2	1291.1	1296.2	1291.1
40°	1253.7	1250.3	1245.2	1246.9	1246.9
42.5°	1204.4	1202.7	1197.6	1197.6	1195.9
45°	1153.5	1151.8	1148.4	1146.7	1141.6
47.5°	1097.4	1095.7	1095.7	1094.0	1090.6
50°	1041.3	1041.3	1039.6	1034.5	1032.8
52.5°	980.2	983.6	978.5	975.1	973.4
55°	919.0	922.4	919.0	915.6	910.5
57.5°	851.1	857.9	852.8	851.1	849.4
60°	788.2	791.6	788.2	783.1	779.7
62.5°	723.7	723.7	718.6	715.2	705.0
65°	647.2	652.3	648.9	640.4	628.5
67.5°	579.3	575.9	572.5	562.3	548.7
70°	501.1	502.8	497.7	482.4	468.9
72.5°	426.4	429.8	419.6	399.2	395.8
75°	351.6	351.6	336.4	327.9	321.1
77.5°	275.2	276.9	256.5	254.8	253.1
80°	202.2	205.5	185.2	190.3	188.6
82.5°	137.6	134.2	125.7	125.7	124.0
85°	74.7	74.7	73.0	73.0	71.3
87.5°	28.9	30.6	34.0	37.4	35.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)