

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: P217963

Luminaire Tested: **4SNLED-LD5-48SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217963
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4533.0 lumens
Efficiency: N/A
Efficacy: 131.0 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

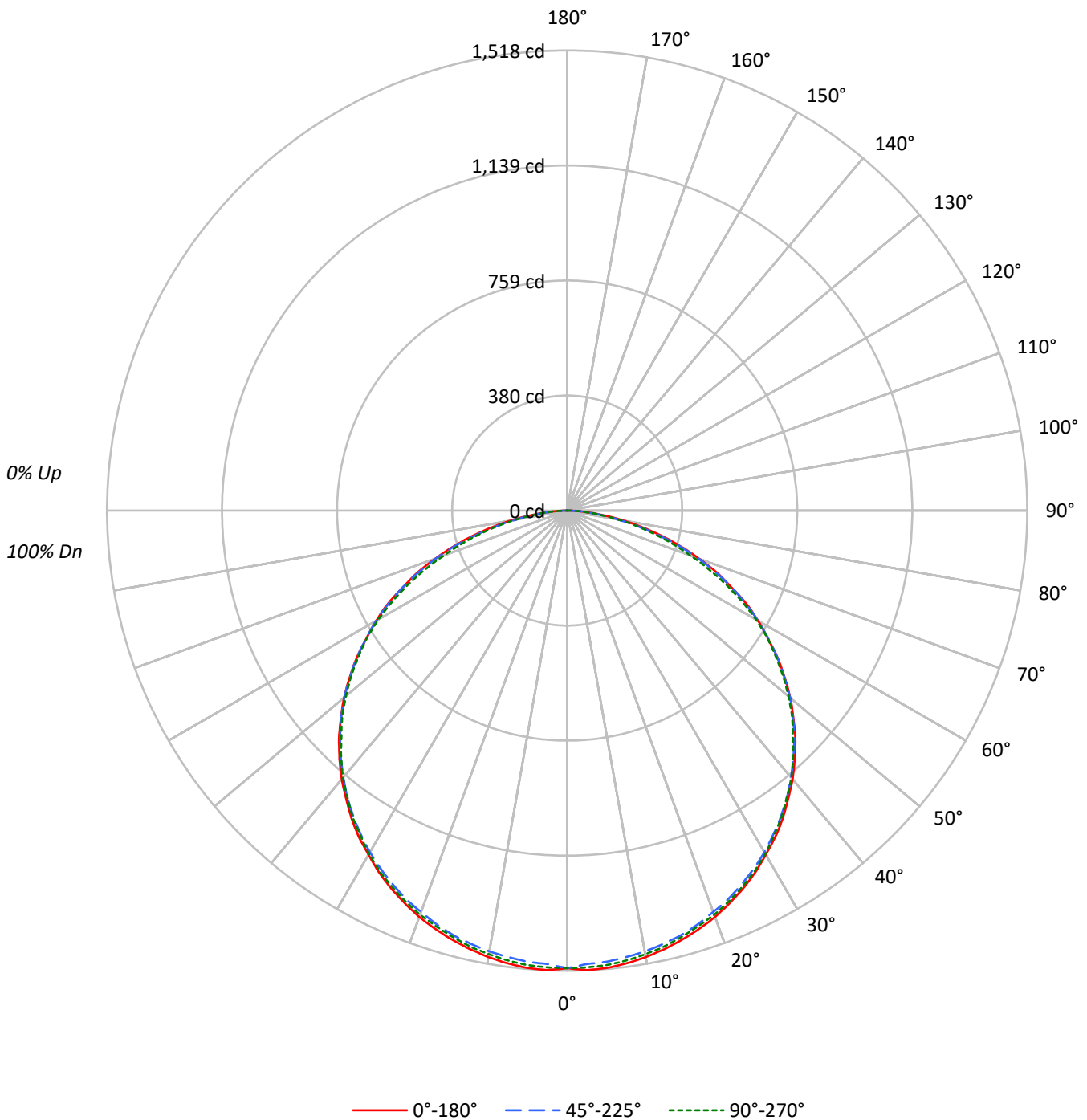
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24327	24327	24327
5°	24407	22703	22385
10°	24293	21386	20672
15°	24182	20203	19161
20°	24097	19057	17837
25°	23978	18007	16595
30°	23812	16986	15422
35°	23699	15970	14275
40°	23514	14938	13161
45°	23286	13907	12004
50°	22949	12807	10902
55°	22485	11611	9722
60°	21861	10300	8488
65°	20902	8852	7033
70°	19548	7156	5440
75°	17479	5155	3898
80°	14001	3063	2420
85°	8636	1323	979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.1	3.2
10°-20°	411.9	9.1
20°-30°	631.0	13.9
30°-40°	772.4	17.0
40°-50°	817.4	18.0
50°-60°	756.0	16.7
60°-70°	587.0	12.9
70°-80°	330.6	7.3
80°-90°	83.6	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°	1186.0	26.2
0°-40°	1958.4	43.2
0°-60°	3531.7	77.9
0°-90°	4533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1510	1510	1510	1510	1510	
5°	1514	1508	1494	1508	1505	144
15°	1466	1461	1450	1463	1456	414
25°	1375	1370	1361	1372	1369	634
35°	1240	1235	1231	1234	1234	775
45°	1064	1063	1060	1058	1054	820
55°	848	851	848	845	840	757
65°	597	602	599	591	580	593
75°	324	324	310	303	296	342
85°	69	69	67	67	66	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1509.7	1509.7	1509.7	1509.7	1509.7
2.5°	1517.5	1511.2	1497.1	1511.2	1508.1
5°	1514.4	1508.1	1494.0	1508.1	1505.0
7.5°	1506.5	1501.8	1486.2	1500.3	1497.1
10°	1495.6	1490.9	1476.8	1490.9	1486.2
12.5°	1481.5	1476.8	1464.2	1476.8	1473.6
15°	1465.8	1461.1	1450.1	1462.6	1456.4
17.5°	1447.0	1443.8	1431.3	1443.8	1437.6
20°	1426.6	1420.3	1409.3	1421.9	1418.8
22.5°	1401.5	1398.4	1387.4	1398.4	1395.2
25°	1374.9	1370.2	1360.7	1371.7	1368.6
27.5°	1345.1	1341.9	1332.5	1340.4	1340.4
30°	1310.6	1309.0	1301.2	1309.0	1307.4
32.5°	1277.7	1274.5	1266.7	1273.0	1269.8
35°	1240.0	1235.3	1230.6	1233.8	1233.8
37.5°	1197.7	1196.1	1191.4	1196.1	1191.4
40°	1157.0	1153.8	1149.1	1150.7	1150.7
42.5°	1111.5	1109.9	1105.2	1105.2	1103.6
45°	1064.5	1062.9	1059.8	1058.2	1053.5
47.5°	1012.7	1011.2	1011.2	1009.6	1006.5
50°	961.0	961.0	959.4	954.7	953.2
52.5°	904.6	907.7	903.0	899.9	898.3
55°	848.1	851.3	848.1	845.0	840.3
57.5°	785.4	791.7	787.0	785.4	783.8
60°	727.4	730.5	727.4	722.7	719.6
62.5°	667.8	667.8	663.1	660.0	650.6
65°	597.3	602.0	598.9	591.0	580.0
67.5°	534.6	531.4	528.3	518.9	506.4
70°	462.5	464.0	459.3	445.2	432.7
72.5°	393.5	396.6	387.2	368.4	365.3
75°	324.5	324.5	310.4	302.6	296.3
77.5°	254.0	255.5	236.7	235.2	233.6
80°	186.6	189.7	170.9	175.6	174.0
82.5°	127.0	123.8	116.0	116.0	114.4
85°	69.0	69.0	67.4	67.4	65.8
87.5°	26.7	28.2	31.4	34.5	32.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)