

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: P217960

Luminaire Tested: **4SNLED-LD5-44SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217960
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-LD5-44SL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4359.0 lumens
Efficiency: N/A
Efficacy: 142.5 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

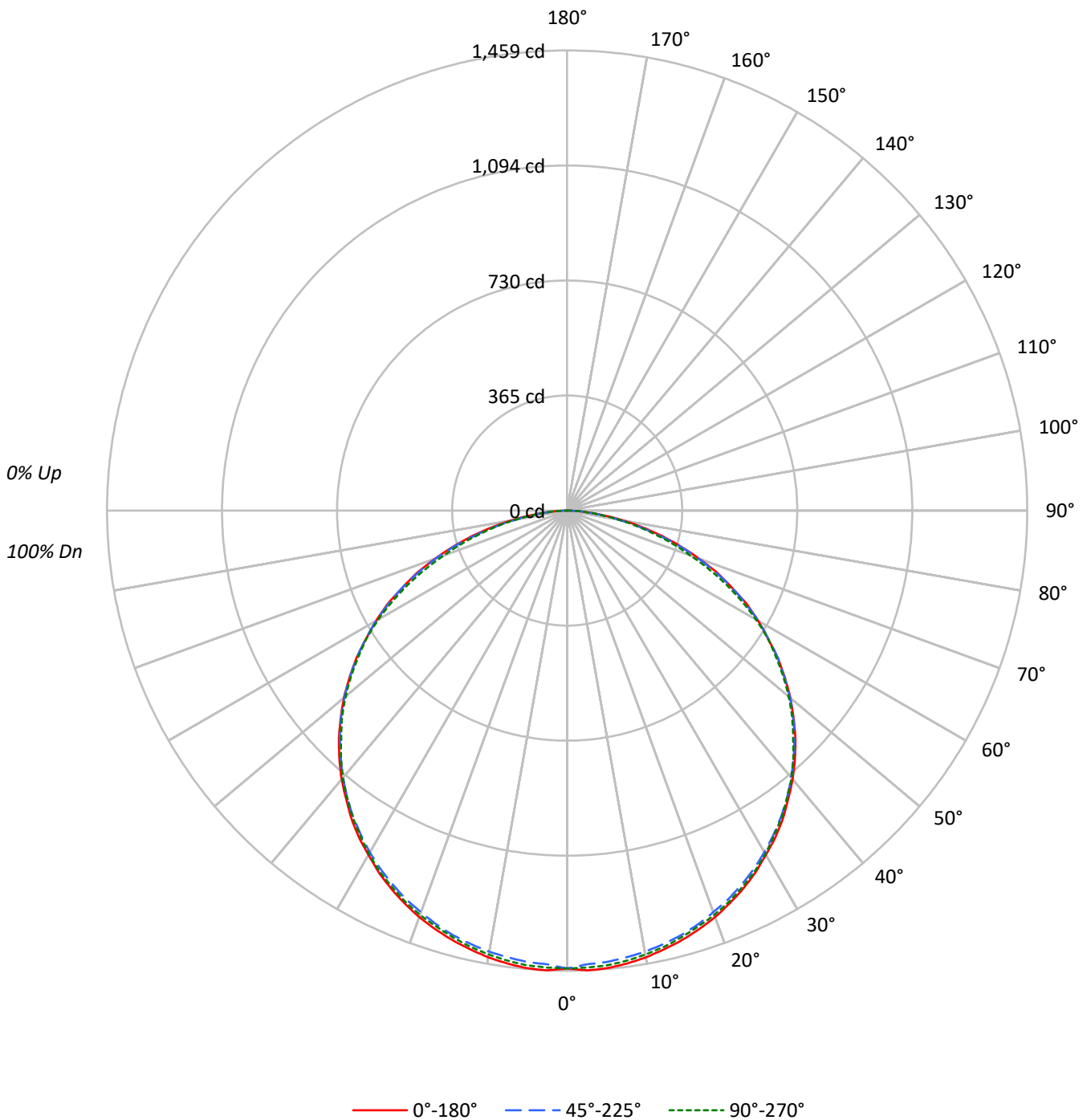
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23392	23392	23392
5°	23470	21832	21526
10°	23360	20565	19878
15°	23253	19427	18426
20°	23171	18325	17152
25°	23057	17316	15958
30°	22898	16334	14831
35°	22790	15358	13726
40°	22609	14365	12656
45°	22391	13373	11542
50°	22068	12316	10484
55°	21624	11166	9348
60°	21023	9905	8162
65°	20101	8512	6764
70°	18795	6882	5231
75°	16811	4957	3748
80°	13460	2945	2327
85°	8298	1272	942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.6	3.2
10°-20°	396.1	9.1
20°-30°	606.8	13.9
30°-40°	742.7	17.0
40°-50°	786.0	18.0
50°-60°	727.0	16.7
60°-70°	564.5	12.9
70°-80°	318.0	7.3
80°-90°	80.4	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°	1140.5	26.2
0°-40°	1883.2	43.2
0°-60°	3396.1	77.9
0°-90°	4359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4359.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1452	1452	1452	1452	1452	
5°	1456	1450	1437	1450	1447	138
15°	1410	1405	1394	1406	1400	398
25°	1322	1318	1308	1319	1316	609
35°	1192	1188	1183	1186	1186	746
45°	1024	1022	1019	1018	1013	789
55°	816	819	816	812	808	728
65°	574	579	576	568	558	570
75°	312	312	298	291	285	329
85°	66	66	65	65	63	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1451.7	1451.7	1451.7	1451.7	1451.7
2.5°	1459.3	1453.2	1439.7	1453.2	1450.2
5°	1456.3	1450.2	1436.7	1450.2	1447.2
7.5°	1448.7	1444.2	1429.1	1442.7	1439.7
10°	1438.2	1433.6	1420.1	1433.6	1429.1
12.5°	1424.6	1420.1	1408.0	1420.1	1417.1
15°	1409.5	1405.0	1394.4	1406.5	1400.5
17.5°	1391.4	1388.4	1376.4	1388.4	1382.4
20°	1371.8	1365.8	1355.2	1367.3	1364.3
22.5°	1347.7	1344.7	1334.1	1344.7	1341.7
25°	1322.1	1317.6	1308.5	1319.1	1316.1
27.5°	1293.4	1290.4	1281.4	1288.9	1288.9
30°	1260.3	1258.8	1251.2	1258.8	1257.3
32.5°	1228.6	1225.6	1218.1	1224.1	1221.1
35°	1192.4	1187.9	1183.4	1186.4	1186.4
37.5°	1151.7	1150.2	1145.7	1150.2	1145.7
40°	1112.5	1109.5	1105.0	1106.5	1106.5
42.5°	1068.8	1067.3	1062.8	1062.8	1061.3
45°	1023.6	1022.1	1019.1	1017.6	1013.0
47.5°	973.8	972.3	972.3	970.8	967.8
50°	924.1	924.1	922.6	918.1	916.6
52.5°	869.8	872.8	868.3	865.3	863.8
55°	815.6	818.6	815.6	812.5	808.0
57.5°	755.3	761.3	756.8	755.3	753.8
60°	699.5	702.5	699.5	695.0	691.9
62.5°	642.2	642.2	637.7	634.7	625.6
65°	574.4	578.9	575.9	568.3	557.8
67.5°	514.1	511.0	508.0	499.0	486.9
70°	444.7	446.2	441.7	428.1	416.1
72.5°	378.4	381.4	372.4	354.3	351.2
75°	312.1	312.1	298.5	290.9	284.9
77.5°	244.2	245.7	227.6	226.1	224.6
80°	179.4	182.4	164.3	168.8	167.3
82.5°	122.1	119.1	111.6	111.6	110.0
85°	66.3	66.3	64.8	64.8	63.3
87.5°	25.6	27.1	30.2	33.2	31.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)