

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: P217961

Luminaire Tested: **4SNLED-LD5-44SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217961
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4446.0 lumens
Efficiency: N/A
Efficacy: 145.3 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

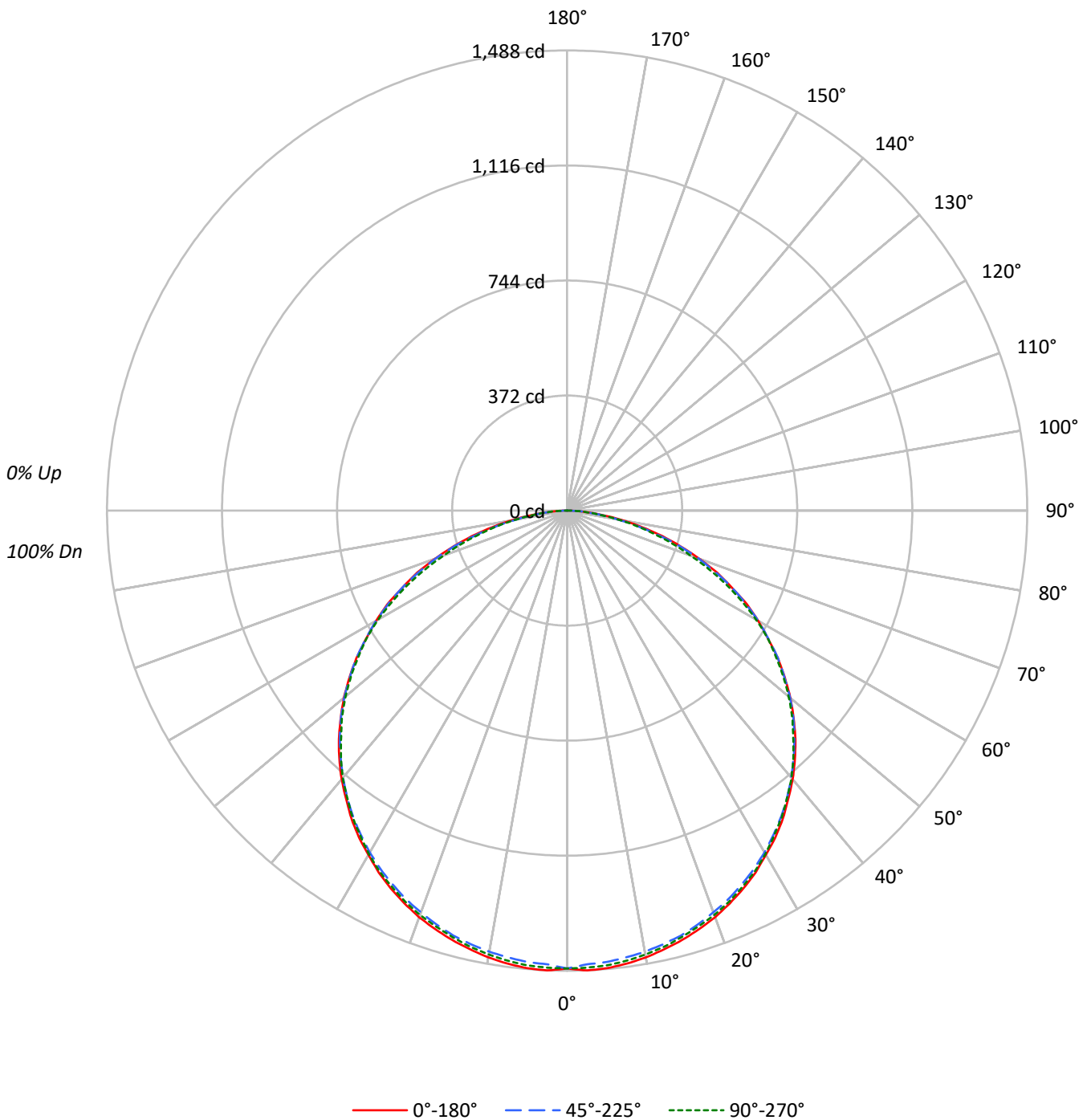
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23859	23859	23859
5°	23938	22267	21955
10°	23826	20975	20275
15°	23718	19816	18793
20°	23634	18692	17494
25°	23518	17662	16276
30°	23354	16660	15127
35°	23245	15664	14001
40°	23060	14652	12908
45°	22837	13639	11773
50°	22507	12562	10693
55°	22053	11388	9536
60°	21441	10102	8326
65°	20500	8682	6898
70°	19171	7019	5336
75°	17145	5055	3823
80°	13730	3004	2374
85°	8473	1297	961



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	3.2
10°-20°	404.0	9.1
20°-30°	618.9	13.9
30°-40°	757.6	17.0
40°-50°	801.7	18.0
50°-60°	741.5	16.7
60°-70°	575.7	12.9
70°-80°	324.3	7.3
80°-90°	82.0	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°	1163.2	26.2
0°-40°	1920.8	43.2
0°-60°	3463.9	77.9
0°-90°	4446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4446.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1481	1481	1481	1481	1481	
5°	1485	1479	1465	1479	1476	141
15°	1438	1433	1422	1435	1428	406
25°	1348	1344	1335	1345	1342	622
35°	1216	1212	1207	1210	1210	760
45°	1044	1042	1039	1038	1033	805
55°	832	835	832	829	824	742
65°	586	590	587	580	569	581
75°	318	318	304	297	291	335
85°	68	68	66	66	65	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1480.7	1480.7	1480.7	1480.7	1480.7
2.5°	1488.4	1482.2	1468.4	1482.2	1479.2
5°	1485.3	1479.2	1465.3	1479.2	1476.1
7.5°	1477.6	1473.0	1457.6	1471.5	1468.4
10°	1466.9	1462.3	1448.4	1462.3	1457.6
12.5°	1453.0	1448.4	1436.1	1448.4	1445.3
15°	1437.7	1433.0	1422.3	1434.6	1428.4
17.5°	1419.2	1416.1	1403.8	1416.1	1410.0
20°	1399.2	1393.1	1382.3	1394.6	1391.5
22.5°	1374.6	1371.5	1360.8	1371.5	1368.5
25°	1348.5	1343.9	1334.6	1345.4	1342.3
27.5°	1319.3	1316.2	1307.0	1314.6	1314.6
30°	1285.4	1283.9	1276.2	1283.9	1282.4
32.5°	1253.1	1250.1	1242.4	1248.5	1245.5
35°	1216.2	1211.6	1207.0	1210.1	1210.1
37.5°	1174.7	1173.2	1168.6	1173.2	1168.6
40°	1134.7	1131.7	1127.1	1128.6	1128.6
42.5°	1090.2	1088.6	1084.0	1084.0	1082.5
45°	1044.0	1042.5	1039.4	1037.9	1033.3
47.5°	993.3	991.7	991.7	990.2	987.1
50°	942.5	942.5	941.0	936.4	934.9
52.5°	887.2	890.3	885.7	882.6	881.0
55°	831.8	834.9	831.8	828.8	824.2
57.5°	770.3	776.5	771.9	770.3	768.8
60°	713.4	716.5	713.4	708.8	705.8
62.5°	655.0	655.0	650.4	647.3	638.1
65°	585.8	590.4	587.4	579.7	568.9
67.5°	524.3	521.2	518.2	508.9	496.6
70°	453.6	455.1	450.5	436.7	424.4
72.5°	385.9	389.0	379.8	361.3	358.3
75°	318.3	318.3	304.4	296.8	290.6
77.5°	249.1	250.6	232.2	230.6	229.1
80°	183.0	186.0	167.6	172.2	170.7
82.5°	124.5	121.5	113.8	113.8	112.2
85°	67.7	67.7	66.1	66.1	64.6
87.5°	26.1	27.7	30.8	33.8	32.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)