

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: P217956

Luminaire Tested: **4SNLED-LD5-40SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217956
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-LD5-40SL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4004.0 lumens
Efficiency: N/A
Efficacy: 144.5 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

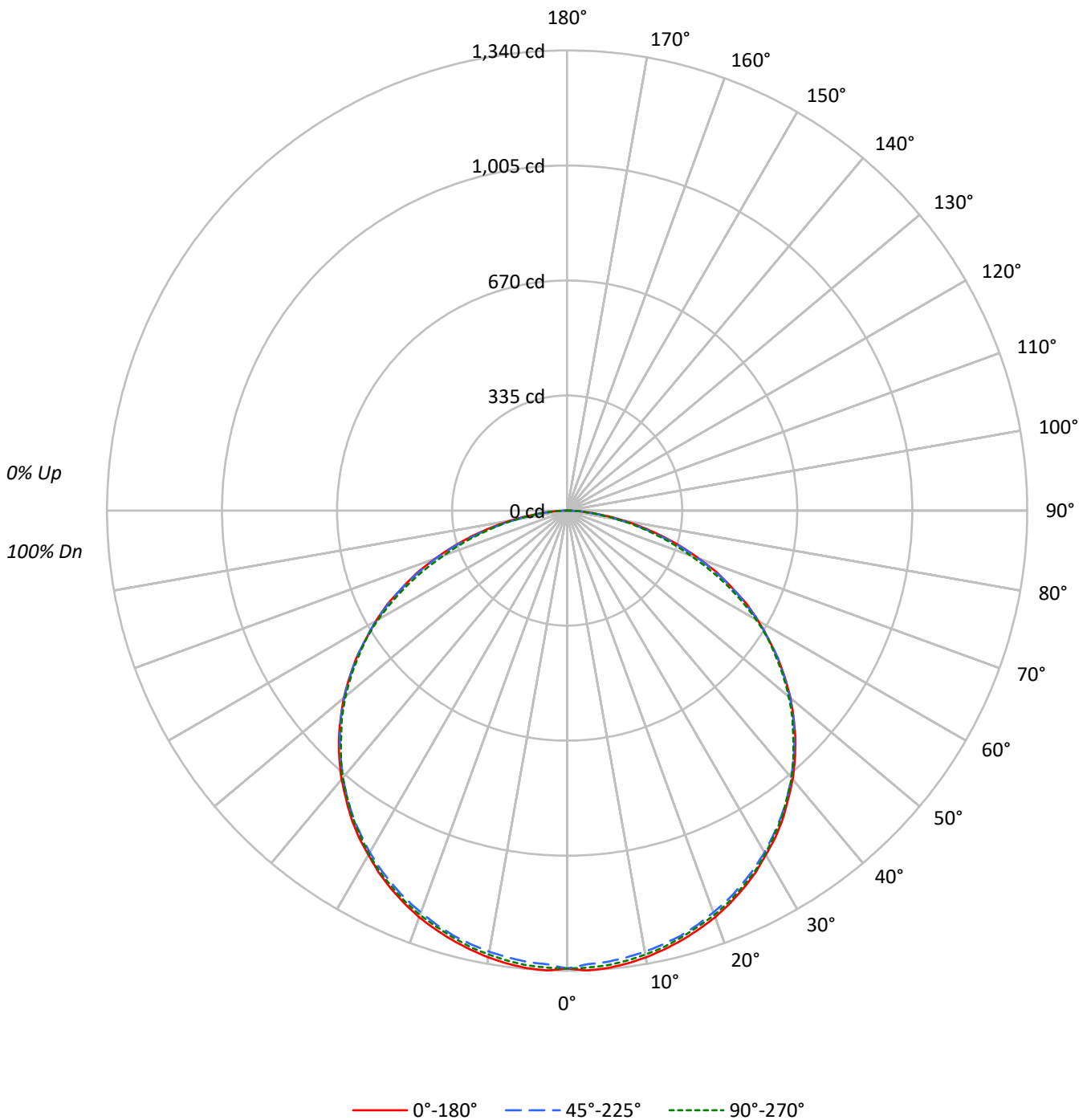
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P217956

CATALOG NUMBER: 4SNLED-LD5-40SL-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P217956

CATALOG NUMBER: 4SNLED-LD5-40SL-UNV-L835-CD1-U

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°	21488	21488	21488
5°	21559	20054	19772
10°	21457	18889	18259
15°	21359	17846	16925
20°	21284	16834	15755
25°	21179	15906	14658
30°	21032	15003	13623
35°	20934	14106	12609
40°	20768	13195	11625
45°	20567	12284	10602
50°	20270	11314	9629
55°	19860	10256	8587
60°	19310	9098	7498
65°	18463	7819	6213
70°	17265	6321	4805
75°	15438	4553	3443
80°	12365	2704	2138
85°	7622	1168	866



TEST NUMBER: P217956

CATALOG NUMBER: 4SNLED-LD5-40SL-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	3.2
10°-20°	363.8	9.1
20°-30°	557.4	13.9
30°-40°	682.3	17.0
40°-50°	722.0	18.0
50°-60°	667.7	16.7
60°-70°	518.5	12.9
70°-80°	292.1	7.3
80°-90°	73.9	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°	1047.6	26.2
0°-40°	1729.8	43.2
0°-60°	3119.6	77.9
0°-90°	4004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4004.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1334	1334	1334	1334	1334	
5°	1338	1332	1320	1332	1329	127
15°	1295	1291	1281	1292	1286	366
25°	1214	1210	1202	1212	1209	560
35°	1095	1091	1087	1090	1090	685
45°	940	939	936	935	930	725
55°	749	752	749	746	742	668
65°	528	532	529	522	512	523
75°	287	287	274	267	262	302
85°	61	61	60	60	58	76
90°	0	0	0	0	0	



TEST NUMBER: P217956

CATALOG NUMBER: 4SNLED-LD5-40SL-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1333.5	1333.5	1333.5	1333.5	1333.5
2.5°	1340.4	1334.9	1322.4	1334.9	1332.1
5°	1337.7	1332.1	1319.7	1332.1	1329.3
7.5°	1330.7	1326.6	1312.7	1325.2	1322.4
10°	1321.0	1316.9	1304.4	1316.9	1312.7
12.5°	1308.6	1304.4	1293.3	1304.4	1301.7
15°	1294.7	1290.6	1280.9	1292.0	1286.4
17.5°	1278.1	1275.3	1264.3	1275.3	1269.8
20°	1260.1	1254.6	1244.9	1256.0	1253.2
22.5°	1238.0	1235.2	1225.5	1235.2	1232.4
25°	1214.4	1210.3	1201.9	1211.6	1208.9
27.5°	1188.1	1185.3	1177.0	1183.9	1183.9
30°	1157.6	1156.3	1149.3	1156.3	1154.9
32.5°	1128.6	1125.8	1118.9	1124.4	1121.6
35°	1095.3	1091.2	1087.0	1089.8	1089.8
37.5°	1057.9	1056.6	1052.4	1056.6	1052.4
40°	1021.9	1019.2	1015.0	1016.4	1016.4
42.5°	981.8	980.4	976.2	976.2	974.9
45°	940.2	938.9	936.1	934.7	930.5
47.5°	894.5	893.2	893.2	891.8	889.0
50°	848.8	848.8	847.5	843.3	841.9
52.5°	799.0	801.8	797.6	794.8	793.5
55°	749.1	751.9	749.1	746.4	742.2
57.5°	693.8	699.3	695.1	693.8	692.4
60°	642.5	645.3	642.5	638.4	635.6
62.5°	589.9	589.9	585.7	583.0	574.7
65°	527.6	531.7	529.0	522.0	512.4
67.5°	472.2	469.4	466.7	458.3	447.3
70°	408.5	409.9	405.7	393.3	382.2
72.5°	347.6	350.3	342.0	325.4	322.6
75°	286.6	286.6	274.2	267.3	261.7
77.5°	224.3	225.7	209.1	207.7	206.3
80°	164.8	167.6	150.9	155.1	153.7
82.5°	112.2	109.4	102.5	102.5	101.1
85°	60.9	60.9	59.5	59.5	58.2
87.5°	23.5	24.9	27.7	30.5	29.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)