

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: P217953

Luminaire Tested: **4SNLED-LD5-36SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217953
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-LD5-36SL-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3722.0 lumens
Efficiency: N/A
Efficacy: 149.5 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

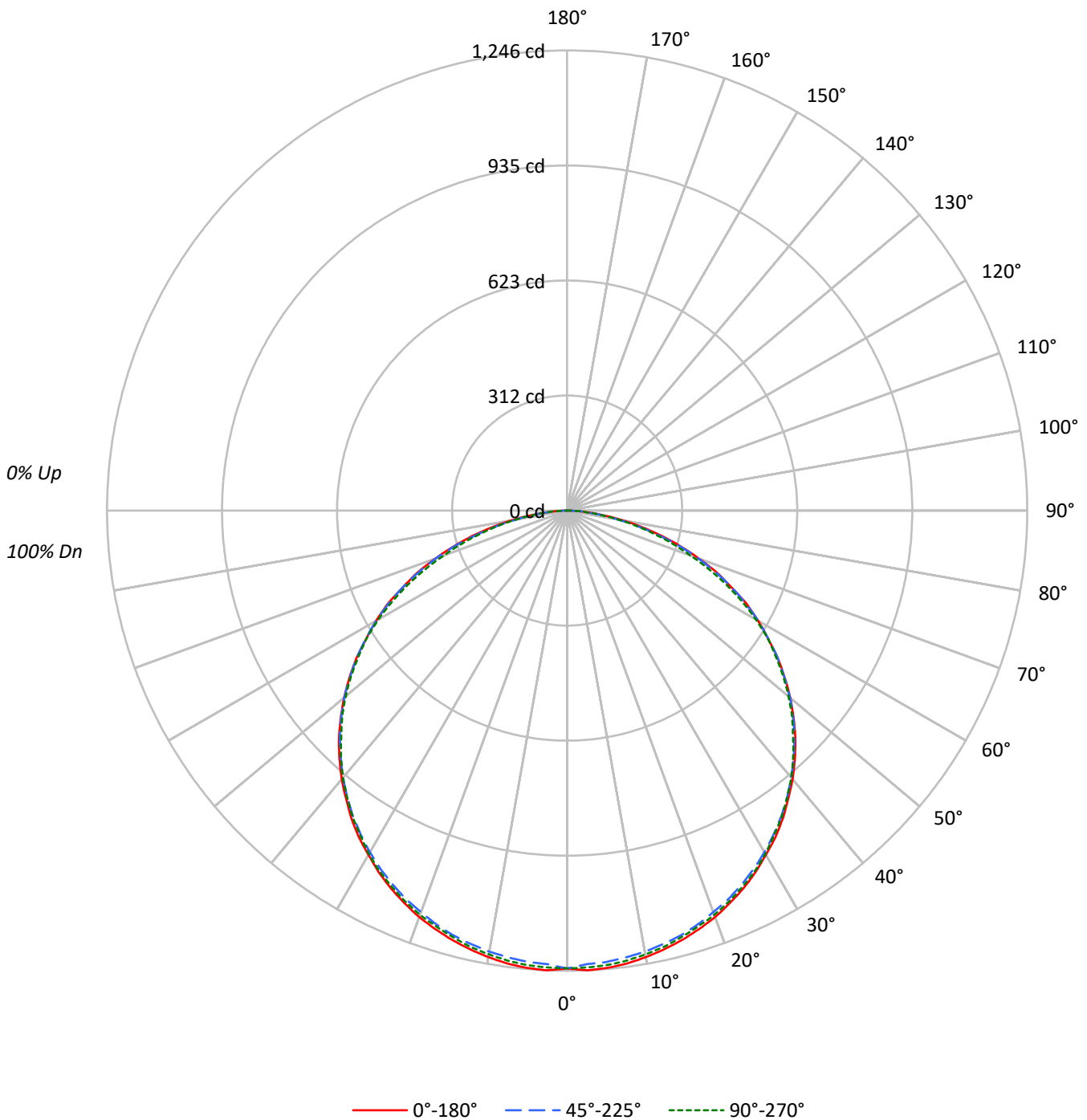
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	19974	19974	19974
5°	20039	18641	18380
10°	19946	17560	16974
15°	19855	16589	15733
20°	19786	15648	14645
25°	19688	14786	13625
30°	19551	13947	12663
35°	19460	13114	11720
40°	19307	12265	10806
45°	19119	11419	9856
50°	18844	10517	8951
55°	18463	9534	7982
60°	17951	8458	6969
65°	17162	7267	5775
70°	16048	5877	4467
75°	14355	4233	3201
80°	11495	2514	1988
85°	7084	1085	805



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	3.2
10°-20°	338.2	9.1
20°-30°	518.1	13.9
30°-40°	634.2	17.0
40°-50°	671.1	18.0
50°-60°	620.7	16.7
60°-70°	482.0	13.0
70°-80°	271.5	7.3
80°-90°	68.7	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°	973.8	26.2
0°-40°	1608.0	43.2
0°-60°	2899.9	77.9
0°-90°	3722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3722.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1240	1240	1240	1240	1240	
5°	1243	1238	1227	1238	1236	118
15°	1204	1200	1191	1201	1196	340
25°	1129	1125	1117	1126	1124	520
35°	1018	1014	1010	1013	1013	637
45°	874	873	870	869	865	674
55°	696	699	696	694	690	621
65°	490	494	492	485	476	487
75°	266	266	255	248	243	281
85°	57	57	55	55	54	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1239.6	1239.6	1239.6	1239.6	1239.6
2.5°	1246.0	1240.9	1229.3	1240.9	1238.3
5°	1243.4	1238.3	1226.7	1238.3	1235.7
7.5°	1237.0	1233.1	1220.3	1231.9	1229.3
10°	1228.0	1224.1	1212.6	1224.1	1220.3
12.5°	1216.4	1212.6	1202.3	1212.6	1210.0
15°	1203.5	1199.7	1190.7	1201.0	1195.8
17.5°	1188.1	1185.5	1175.2	1185.5	1180.4
20°	1171.4	1166.2	1157.2	1167.5	1164.9
22.5°	1150.8	1148.2	1139.2	1148.2	1145.6
25°	1128.9	1125.0	1117.3	1126.3	1123.7
27.5°	1104.4	1101.9	1094.1	1100.6	1100.6
30°	1076.1	1074.8	1068.4	1074.8	1073.5
32.5°	1049.1	1046.5	1040.1	1045.2	1042.6
35°	1018.2	1014.3	1010.5	1013.0	1013.0
37.5°	983.4	982.1	978.3	982.1	978.3
40°	950.0	947.4	943.5	944.8	944.8
42.5°	912.6	911.3	907.5	907.5	906.2
45°	874.0	872.7	870.2	868.9	865.0
47.5°	831.5	830.2	830.2	829.0	826.4
50°	789.1	789.1	787.8	783.9	782.6
52.5°	742.7	745.3	741.4	738.9	737.6
55°	696.4	699.0	696.4	693.8	689.9
57.5°	644.9	650.0	646.2	644.9	643.6
60°	597.3	599.8	597.3	593.4	590.8
62.5°	548.4	548.4	544.5	541.9	534.2
65°	490.4	494.3	491.7	485.3	476.3
67.5°	438.9	436.4	433.8	426.1	415.8
70°	379.7	381.0	377.2	365.6	355.3
72.5°	323.1	325.7	317.9	302.5	299.9
75°	266.5	266.5	254.9	248.4	243.3
77.5°	208.5	209.8	194.4	193.1	191.8
80°	153.2	155.8	140.3	144.2	142.9
82.5°	104.3	101.7	95.3	95.3	94.0
85°	56.6	56.6	55.3	55.3	54.1
87.5°	21.9	23.2	25.7	28.3	27.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)