

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: P218197

Luminaire Tested: **4SNLED-LD5-37SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-37SL-LN-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3876.0 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

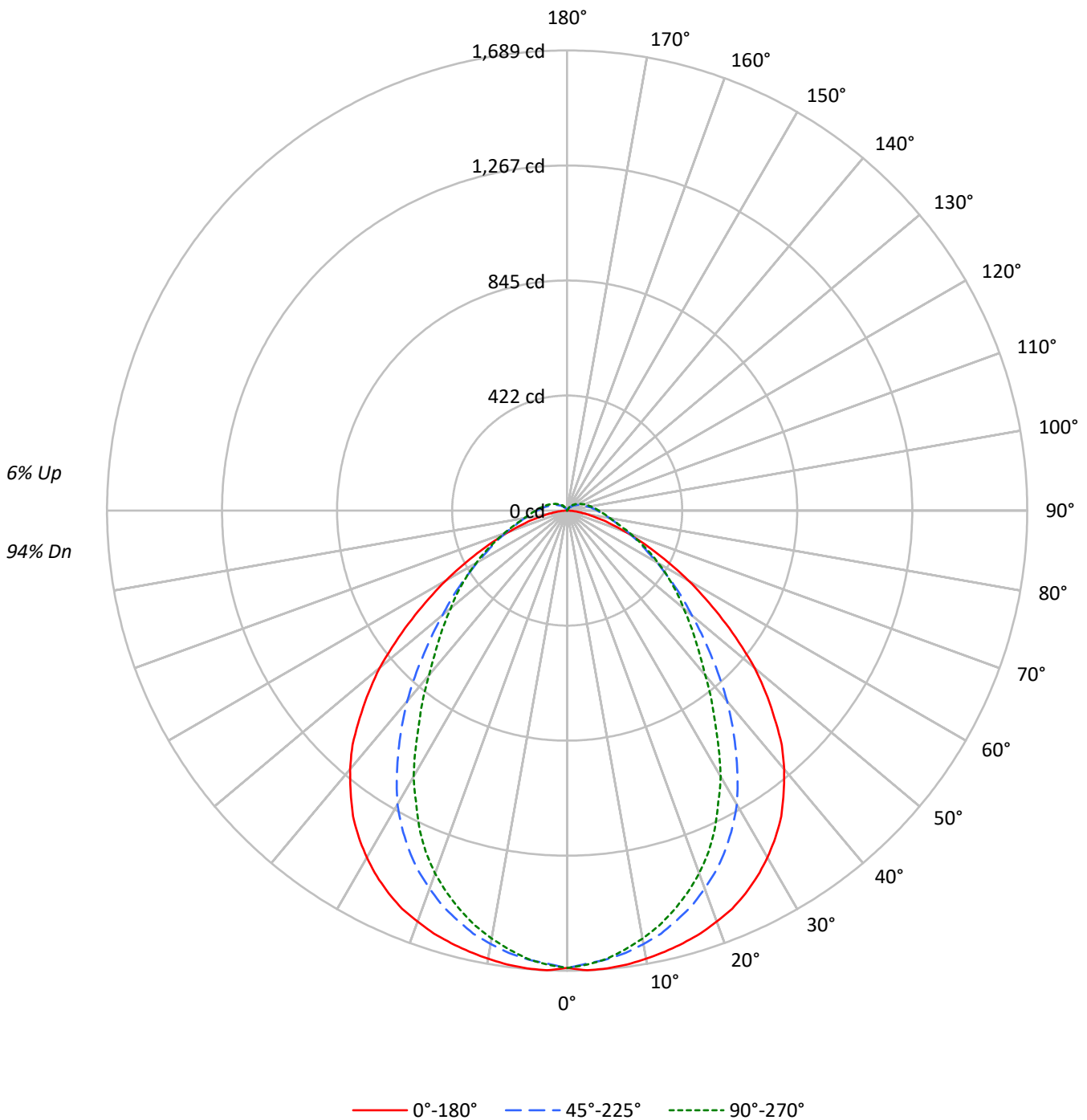
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94				
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80				
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68				
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59				
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51				
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45				
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40				
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36				
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32				
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29				
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27048	27048	27048
5°	27185	25135	24573
10°	27132	23392	22184
15°	27120	21680	19963
20°	27112	19964	17817
25°	27030	18187	15575
30°	26713	16262	13296
35°	26188	14020	10939
40°	25192	11866	9015
45°	23542	9754	7562
50°	21456	7960	6376
55°	18463	6570	5434
60°	15466	5378	4553
65°	12290	4467	3764
70°	9581	3755	3107
75°	7261	3188	2579
80°	5057	2817	2216
85°	3066	2565	2005



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.8	4.1
10°-20°	442.9	11.4
20°-30°	641.4	16.5
30°-40°	698.0	18.0
40°-50°	619.9	16.0
50°-60°	471.9	12.2
60°-70°	313.3	8.1
70°-80°	190.9	4.9
80°-90°	118.3	3.1
90°-100°	80.8	2.1
100°-110°	56.7	1.5
110°-120°	38.6	1.0
120°-130°	24.5	0.6
130°-140°	13.9	0.4
140°-150°	6.5	0.2
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1242.1	32.0
0°-40°	1940.1	50.1
0°-60°	3031.9	78.2
0°-90°	3654.5	94.3
90°-120°	176.1	4.5
90°-150°	221.1	5.7
90°-180°	222.0	5.7
0°-180°	3876.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1679	1679	1679	1679	1679	
5°	1687	1677	1654	1662	1652	160
15°	1644	1615	1556	1538	1517	464
25°	1550	1480	1374	1319	1284	714
35°	1370	1248	1080	986	946	854
45°	1076	915	743	680	664	829
55°	696	566	480	472	470	625
65°	351	302	302	314	310	354
75°	135	153	192	202	196	146
85°	24	78	131	139	135	29
90°	0	57	110	120	116	2
95°	0	45	94	104	102	0
105°	0	29	67	78	78	0
115°	0	18	49	59	57	0
125°	0	12	33	41	41	0
135°	0	8	22	29	29	0
145°	0	4	12	16	16	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1678.6	1678.6	1678.6	1678.6	1678.6
2.5°	1688.8	1680.6	1664.3	1674.5	1668.4
5°	1686.8	1676.6	1654.1	1662.3	1652.1
7.5°	1680.6	1668.4	1637.8	1641.8	1625.5
10°	1670.4	1654.1	1615.3	1611.2	1594.9
12.5°	1658.2	1637.8	1590.8	1576.5	1560.2
15°	1643.9	1615.3	1556.1	1537.7	1517.3
17.5°	1627.5	1588.7	1521.4	1492.8	1470.3
20°	1605.1	1558.1	1476.4	1441.7	1417.2
22.5°	1582.6	1521.4	1429.5	1382.5	1356.0
25°	1549.9	1480.5	1374.3	1319.2	1284.5
27.5°	1513.2	1433.6	1313.1	1241.6	1202.8
30°	1470.3	1378.4	1245.7	1162.0	1127.2
32.5°	1423.3	1317.2	1164.0	1074.1	1035.3
35°	1370.2	1247.7	1080.3	986.3	945.5
37.5°	1304.9	1172.2	996.5	900.6	867.9
40°	1239.6	1092.5	912.8	823.0	788.2
42.5°	1166.0	1004.7	827.0	745.4	720.9
45°	1076.2	914.9	743.3	680.0	663.7
47.5°	988.4	823.0	667.8	622.8	608.5
50°	898.5	733.1	596.3	567.7	557.5
52.5°	794.4	645.3	537.1	518.7	514.6
55°	696.4	565.7	479.9	471.7	469.7
57.5°	602.4	490.1	426.8	432.9	428.8
60°	514.6	420.7	379.8	388.0	386.0
62.5°	428.8	357.4	336.9	353.3	349.2
65°	351.2	302.2	302.2	314.5	310.4
67.5°	283.9	257.3	269.6	281.8	277.7
70°	226.7	216.5	241.0	251.2	247.1
72.5°	175.6	181.7	212.4	224.6	218.5
75°	134.8	153.2	192.0	202.2	196.0
77.5°	96.0	128.7	173.6	181.7	175.6
80°	67.4	108.2	157.2	165.4	159.3
82.5°	42.9	91.9	142.9	151.1	147.0
85°	24.5	77.6	130.7	138.9	134.8
87.5°	12.3	67.4	118.4	128.7	124.6
90°	0.0	57.2	110.3	120.5	116.4
92.5°	0.0	51.1	102.1	112.3	108.2
95°	0.0	44.9	93.9	104.1	102.1
97.5°	0.0	40.8	87.8	98.0	93.9
100°	0.0	34.7	79.6	89.9	87.8
102.5°	0.0	32.7	73.5	83.7	81.7
105°	0.0	28.6	67.4	77.6	77.6
107.5°	0.0	26.5	63.3	73.5	71.5
110°	0.0	22.5	57.2	67.4	67.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.4	53.1	63.3	61.3
115°	0.0	18.4	49.0	59.2	57.2
117.5°	0.0	18.4	44.9	53.1	53.1
120°	0.0	16.3	40.8	49.0	49.0
122.5°	0.0	14.3	36.8	44.9	44.9
125°	0.0	12.3	32.7	40.8	40.8
127.5°	0.0	12.3	30.6	38.8	38.8
130°	0.0	10.2	26.5	34.7	34.7
132.5°	0.0	8.2	24.5	30.6	30.6
135°	0.0	8.2	22.5	28.6	28.6
137.5°	0.0	6.1	18.4	24.5	24.5
140°	0.0	6.1	16.3	22.5	22.5
142.5°	0.0	4.1	14.3	20.4	18.4
145°	0.0	4.1	12.3	16.3	16.3
147.5°	0.0	2.0	10.2	14.3	14.3
150°	0.0	2.0	8.2	12.3	10.2
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)