

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: P566519

Luminaire Tested: **4SNX-51SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-51SL-FDL-UNV-L835-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

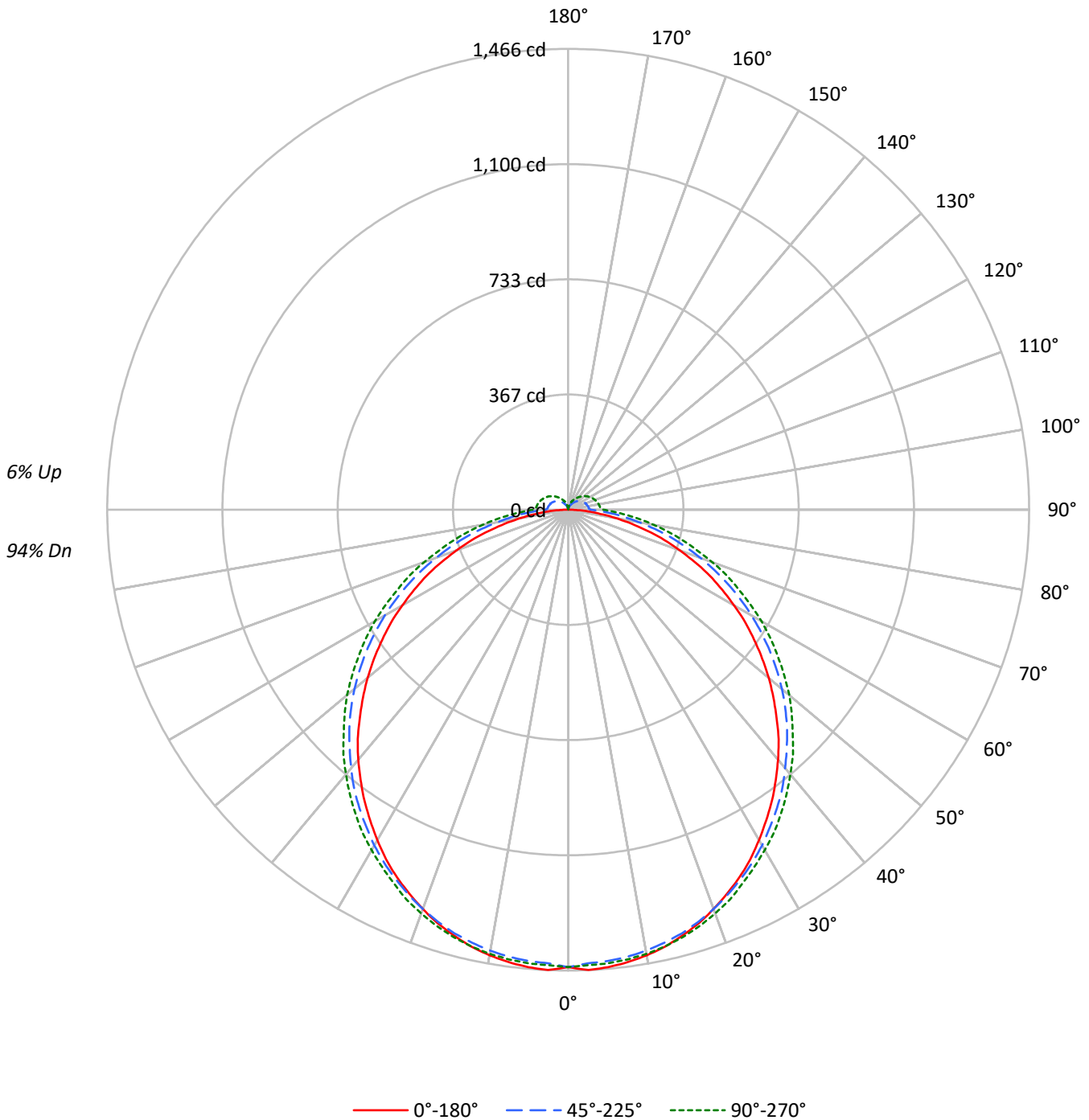
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4624.0 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 35
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	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77				
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64				
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53				
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45				
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39				
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34				
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30				
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27				
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24				
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15663	15663	15663
5°	15770	15403	15426
10°	15705	15237	15232
15°	15588	15044	15015
20°	15427	14811	14760
25°	15243	14554	14456
30°	14993	14294	14177
35°	14741	13987	13885
40°	14463	13650	13556
45°	14113	13316	13173
50°	13775	12933	12824
55°	13354	12462	12337
60°	12882	11922	11859
65°	12382	11278	11200
70°	11525	10469	10517
75°	10488	9515	9700
80°	8961	8250	8795
85°	7052	7152	7729



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	3.0
10°-20°	396.0	8.6
20°-30°	600.1	13.0
30°-40°	724.4	15.7
40°-50°	756.5	16.4
50°-60°	695.0	15.0
60°-70°	549.6	11.9
70°-80°	347.8	7.5
80°-90°	149.5	3.2
90°-100°	65.8	1.4
100°-110°	58.9	1.3
110°-120°	49.7	1.1
120°-130°	38.8	0.8
130°-140°	26.8	0.6
140°-150°	16.1	0.3
150°-160°	7.9	0.2
160°-170°	2.7	0.1
170°-180°	0.4	0.0
0°-30°	1134.1	24.5
0°-40°	1858.5	40.2
0°-60°	3310.0	71.6
0°-90°	4356.8	94.2
90°-120°	174.4	3.8
90°-150°	256.1	5.5
90°-180°	267.0	5.8
0°-180°	4624.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1455	1455	1455	1455	1455	
5°	1461	1457	1441	1453	1448	139
15°	1403	1403	1395	1410	1408	396
25°	1290	1295	1297	1314	1312	594
35°	1130	1143	1158	1176	1180	706
45°	937	960	984	1003	1010	724
55°	722	752	783	808	814	646
65°	497	525	562	588	597	489
75°	262	293	336	364	378	278
85°	64	98	141	171	182	71
90°	4	35	72	101	111	5
95°	1	30	66	92	102	1
105°	1	28	61	86	95	1
115°	1	24	56	78	86	1
125°	2	21	47	67	74	1
135°	2	16	38	53	60	1
145°	2	12	26	40	44	1
155°	2	8	17	25	30	1
165°	2	6	9	12	17	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1455.1	1455.1	1455.1	1455.1	1455.1
2.5°	1465.7	1460.8	1444.4	1455.9	1450.2
5°	1460.8	1456.7	1441.2	1453.4	1448.5
7.5°	1451.8	1448.5	1434.6	1447.7	1442.8
10°	1439.5	1437.1	1424.8	1437.9	1434.6
12.5°	1424.0	1423.2	1410.9	1425.6	1423.2
15°	1402.7	1402.7	1395.3	1410.0	1407.6
17.5°	1379.8	1380.6	1374.8	1390.4	1388.8
20°	1351.9	1356.0	1351.9	1368.3	1366.7
22.5°	1321.6	1327.3	1325.7	1342.1	1342.9
25°	1289.7	1295.4	1297.0	1314.2	1311.8
27.5°	1254.5	1263.5	1266.8	1282.3	1281.5
30°	1213.5	1225.8	1233.2	1246.3	1250.4
32.5°	1171.8	1186.5	1195.5	1213.5	1218.4
35°	1130.0	1143.1	1157.8	1175.9	1180.0
37.5°	1084.1	1098.9	1118.5	1135.7	1140.6
40°	1038.3	1054.7	1073.5	1092.3	1099.7
42.5°	990.8	1008.0	1028.5	1050.6	1057.9
45°	936.8	959.7	984.3	1003.1	1009.6
47.5°	885.2	910.6	936.8	957.2	964.6
50°	832.8	859.8	887.6	906.5	917.9
52.5°	777.9	807.4	835.2	859.0	866.3
55°	722.2	751.7	782.8	808.2	813.9
57.5°	668.2	696.8	728.0	751.7	763.2
60°	609.2	640.3	673.9	697.7	709.9
62.5°	551.9	582.2	618.2	643.6	653.4
65°	497.0	524.9	561.7	587.9	596.9
67.5°	436.4	468.4	503.6	533.9	545.4
70°	376.7	407.0	447.1	475.7	487.2
72.5°	321.0	350.5	390.6	419.2	429.9
75°	262.0	293.1	335.7	364.4	378.3
77.5°	205.5	239.9	280.9	312.0	327.5
80°	153.1	183.4	227.6	262.0	276.0
82.5°	104.0	136.7	182.6	214.5	230.1
85°	63.9	98.3	140.8	171.1	181.8
87.5°	30.3	63.1	102.4	131.8	144.9
90°	4.1	35.2	72.1	100.7	111.4
92.5°	0.8	30.3	66.3	93.3	103.2
95°	0.8	30.3	65.5	91.7	101.5
97.5°	0.8	29.5	64.7	90.9	99.9
100°	0.8	28.7	63.9	89.3	99.1
102.5°	0.8	28.7	62.2	87.6	96.6
105°	0.8	27.8	61.4	86.0	95.0
107.5°	0.8	27.0	59.8	84.3	93.3
110°	0.8	25.4	59.0	81.9	90.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	24.6	57.3	80.2	88.4
115°	0.8	23.7	55.7	77.8	86.0
117.5°	0.8	22.9	53.2	75.3	83.5
120°	1.6	22.9	51.6	72.9	80.2
122.5°	1.6	22.1	49.1	69.6	77.0
125°	1.6	21.3	46.7	67.1	74.5
127.5°	1.6	20.5	44.2	63.9	70.4
130°	1.6	18.8	42.6	60.6	67.1
132.5°	1.6	18.0	40.1	56.5	63.1
135°	1.6	16.4	37.7	53.2	59.8
137.5°	1.6	15.6	35.2	49.9	55.7
140°	1.6	14.7	31.9	46.7	52.4
142.5°	1.6	13.1	29.5	43.4	48.3
145°	1.6	12.3	26.2	40.1	44.2
147.5°	1.6	10.6	23.7	36.8	40.9
150°	1.6	9.8	21.3	33.6	37.7
152.5°	1.6	9.0	18.8	29.5	33.6
155°	1.6	8.2	17.2	25.4	30.3
157.5°	1.6	7.4	14.7	22.1	27.0
160°	2.5	6.6	13.1	18.8	22.9
162.5°	2.5	5.7	10.6	15.6	20.5
165°	2.5	5.7	9.0	12.3	17.2
167.5°	2.5	4.9	7.4	9.8	13.9
170°	2.5	4.1	6.6	7.4	10.6
172.5°	2.5	3.3	4.9	4.9	5.7
175°	2.5	3.3	4.1	4.1	2.5
177.5°	2.5	2.5	2.5	2.5	1.6
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)