

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: P566471

Luminaire Tested: **4SNX-48SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566471
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-48SL-FDL-UNV-L835-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

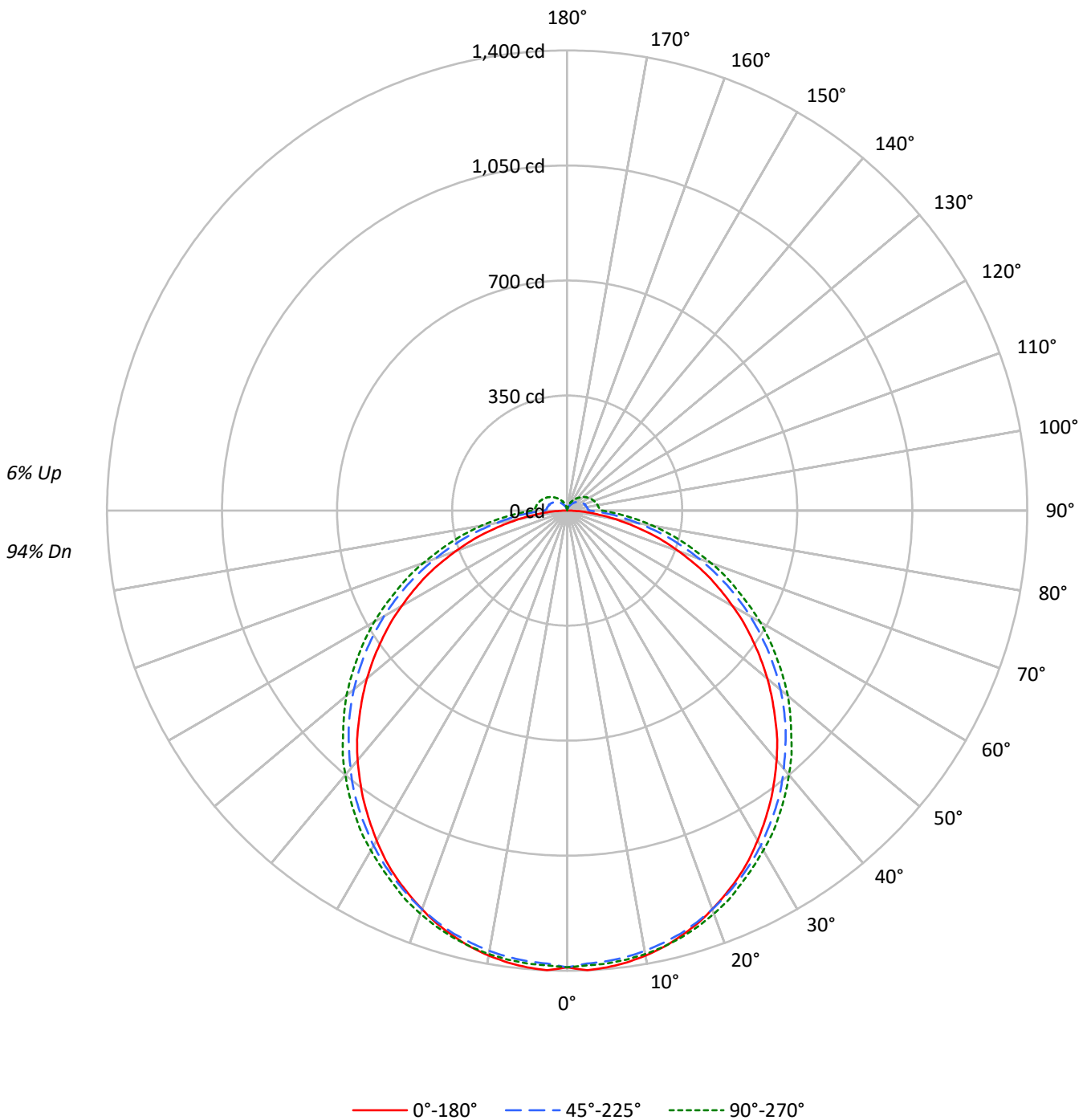
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4416.0 lumens
Efficiency: N/A
Efficacy: 137.6 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): 32.1
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	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°	14958	14958	14958
5°	15060	14710	14733
10°	14999	14551	14548
15°	14886	14367	14340
20°	14733	14145	14096
25°	14558	13900	13806
30°	14318	13651	13539
35°	14078	13359	13260
40°	13813	13036	12946
45°	13478	12717	12581
50°	13155	12352	12247
55°	12753	11901	11783
60°	12303	11386	11326
65°	11826	10772	10697
70°	11005	9999	10044
75°	10016	9087	9264
80°	8557	7880	8397
85°	6732	6832	7380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	3.0
10°-20°	378.2	8.6
20°-30°	573.1	13.0
30°-40°	691.8	15.7
40°-50°	722.5	16.4
50°-60°	663.7	15.0
60°-70°	524.9	11.9
70°-80°	332.2	7.5
80°-90°	142.8	3.2
90°-100°	62.8	1.4
100°-110°	56.2	1.3
110°-120°	47.5	1.1
120°-130°	37.0	0.8
130°-140°	25.6	0.6
140°-150°	15.4	0.3
150°-160°	7.5	0.2
160°-170°	2.6	0.1
170°-180°	0.4	0.0
0°-30°	1083.1	24.5
0°-40°	1774.9	40.2
0°-60°	3161.1	71.6
0°-90°	4160.8	94.2
90°-120°	166.6	3.8
90°-150°	244.7	5.5
90°-180°	255.0	5.8
0°-180°	4416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1390	1390	1390	1390	1390	
5°	1395	1391	1376	1388	1383	132
15°	1340	1340	1332	1347	1344	378
25°	1232	1237	1239	1255	1253	567
35°	1079	1092	1106	1123	1127	675
45°	895	916	940	958	964	691
55°	690	718	748	772	777	617
65°	475	501	536	562	570	467
75°	250	280	321	348	361	265
85°	61	94	134	163	174	67
90°	4	34	69	96	106	5
95°	1	29	63	88	97	1
105°	1	27	59	82	91	1
115°	1	23	53	74	82	1
125°	2	20	45	64	71	1
135°	2	16	36	51	57	1
145°	2	12	25	38	42	1
155°	2	8	16	24	29	1
165°	2	6	9	12	16	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4SNX-48SL-FDL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1389.6	1389.6	1389.6	1389.6	1389.6
2.5°	1399.8	1395.1	1379.5	1390.4	1384.9
5°	1395.1	1391.2	1376.3	1388.1	1383.4
7.5°	1386.5	1383.4	1370.1	1382.6	1377.9
10°	1374.8	1372.4	1360.7	1373.2	1370.1
12.5°	1359.9	1359.1	1347.4	1361.5	1359.1
15°	1339.6	1339.6	1332.5	1346.6	1344.3
17.5°	1317.7	1318.5	1313.0	1327.9	1326.3
20°	1291.1	1295.0	1291.1	1306.7	1305.2
22.5°	1262.2	1267.6	1266.1	1281.7	1282.5
25°	1231.7	1237.1	1238.7	1255.1	1252.8
27.5°	1198.0	1206.6	1209.8	1224.6	1223.8
30°	1158.9	1170.7	1177.7	1190.2	1194.1
32.5°	1119.1	1133.1	1141.7	1158.9	1163.6
35°	1079.2	1091.7	1105.8	1123.0	1126.9
37.5°	1035.4	1049.5	1068.2	1084.6	1089.3
40°	991.6	1007.2	1025.2	1043.2	1050.2
42.5°	946.2	962.7	982.2	1003.3	1010.4
45°	894.6	916.5	940.0	958.0	964.2
47.5°	845.4	869.6	894.6	914.2	921.2
50°	795.3	821.1	847.7	865.7	876.6
52.5°	742.9	771.1	797.7	820.3	827.4
55°	689.7	717.9	747.6	771.8	777.3
57.5°	638.1	665.5	695.2	717.9	728.8
60°	581.8	611.5	643.6	666.3	678.0
62.5°	527.1	556.0	590.4	614.7	624.0
65°	474.7	501.3	536.5	561.5	570.1
67.5°	416.8	447.3	480.9	509.9	520.8
70°	359.7	388.7	427.0	454.3	465.3
72.5°	306.5	334.7	373.0	400.4	410.6
75°	250.2	280.0	320.6	348.0	361.3
77.5°	196.3	229.1	268.2	297.9	312.8
80°	146.2	175.2	217.4	250.2	263.5
82.5°	99.3	130.6	174.4	204.9	219.7
85°	61.0	93.8	134.5	163.4	173.6
87.5°	28.9	60.2	97.8	125.9	138.4
90°	3.9	33.6	68.8	96.2	106.4
92.5°	0.8	28.9	63.3	89.1	98.5
95°	0.8	28.9	62.6	87.6	97.0
97.5°	0.8	28.2	61.8	86.8	95.4
100°	0.8	27.4	61.0	85.2	94.6
102.5°	0.8	27.4	59.4	83.7	92.3
105°	0.8	26.6	58.7	82.1	90.7
107.5°	0.8	25.8	57.1	80.5	89.1
110°	0.8	24.2	56.3	78.2	86.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	23.5	54.7	76.6	84.5
115°	0.8	22.7	53.2	74.3	82.1
117.5°	0.8	21.9	50.8	71.9	79.8
120°	1.6	21.9	49.3	69.6	76.6
122.5°	1.6	21.1	46.9	66.5	73.5
125°	1.6	20.3	44.6	64.1	71.2
127.5°	1.6	19.6	42.2	61.0	67.3
130°	1.6	18.0	40.7	57.9	64.1
132.5°	1.6	17.2	38.3	54.0	60.2
135°	1.6	15.6	36.0	50.8	57.1
137.5°	1.6	14.9	33.6	47.7	53.2
140°	1.6	14.1	30.5	44.6	50.0
142.5°	1.6	12.5	28.2	41.4	46.1
145°	1.6	11.7	25.0	38.3	42.2
147.5°	1.6	10.2	22.7	35.2	39.1
150°	1.6	9.4	20.3	32.1	36.0
152.5°	1.6	8.6	18.0	28.2	32.1
155°	1.6	7.8	16.4	24.2	28.9
157.5°	1.6	7.0	14.1	21.1	25.8
160°	2.3	6.3	12.5	18.0	21.9
162.5°	2.3	5.5	10.2	14.9	19.6
165°	2.3	5.5	8.6	11.7	16.4
167.5°	2.3	4.7	7.0	9.4	13.3
170°	2.3	3.9	6.3	7.0	10.2
172.5°	2.3	3.1	4.7	4.7	5.5
175°	2.3	3.1	3.9	3.9	2.3
177.5°	2.3	2.3	2.3	2.3	1.6
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)