

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: P566472

Luminaire Tested: **4SNX-48SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566472
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-L840-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

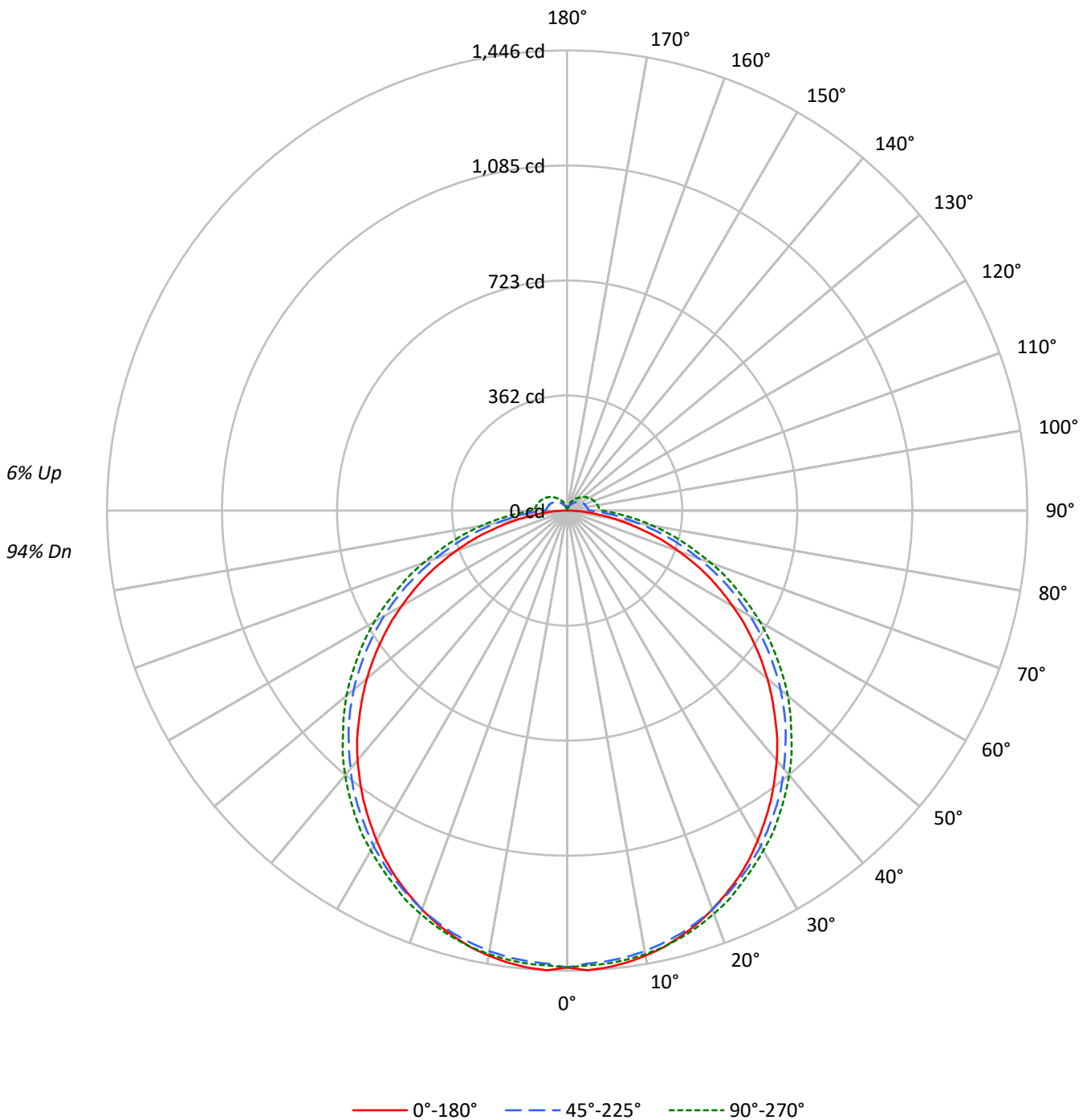
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4562.0 lumens
Efficiency: N/A
Efficacy: 142.1 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): 32.1
Input Voltage (V): NR
Input Current (Ain): 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°	15453	15453	15453
5°	15558	15196	15220
10°	15494	15032	15029
15°	15379	14842	14814
20°	15221	14612	14561
25°	15039	14360	14262
30°	14792	14102	13987
35°	14544	13800	13698
40°	14269	13467	13375
45°	13924	13137	12997
50°	13590	12760	12652
55°	13175	12295	12172
60°	12711	11763	11700
65°	12217	11127	11050
70°	11369	10329	10377
75°	10348	9387	9569
80°	8844	8141	8677
85°	6953	7061	7623



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	3.0
10°-20°	390.7	8.6
20°-30°	592.0	13.0
30°-40°	714.7	15.7
40°-50°	746.3	16.4
50°-60°	685.7	15.0
60°-70°	542.2	11.9
70°-80°	343.2	7.5
80°-90°	147.5	3.2
90°-100°	64.9	1.4
100°-110°	58.1	1.3
110°-120°	49.1	1.1
120°-130°	38.2	0.8
130°-140°	26.5	0.6
140°-150°	15.9	0.3
150°-160°	7.8	0.2
160°-170°	2.7	0.1
170°-180°	0.4	0.0
0°-30°	1118.9	24.5
0°-40°	1833.6	40.2
0°-60°	3265.6	71.6
0°-90°	4298.4	94.2
90°-120°	172.1	3.8
90°-150°	252.7	5.5
90°-180°	264.0	5.8
0°-180°	4562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1436	1436	1436	1436	1436	
5°	1441	1437	1422	1434	1429	137
15°	1384	1384	1377	1391	1389	390
25°	1272	1278	1280	1297	1294	586
35°	1115	1128	1142	1160	1164	697
45°	924	947	971	990	996	714
55°	712	742	772	797	803	637
65°	490	518	554	580	589	483
75°	258	289	331	360	373	274
85°	63	97	139	169	179	70
90°	4	35	71	99	110	5
95°	1	30	65	90	100	1
105°	1	28	61	85	94	1
115°	1	23	55	77	85	1
125°	2	21	46	66	74	1
135°	2	16	37	52	59	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°	1435.6	1435.6	1435.6	1435.6	1435.6
2.5°	1446.1	1441.2	1425.1	1436.4	1430.7
5°	1441.2	1437.2	1421.8	1434.0	1429.1
7.5°	1432.3	1429.1	1415.4	1428.3	1423.5
10°	1420.2	1417.8	1405.7	1418.6	1415.4
12.5°	1404.9	1404.1	1392.0	1406.5	1404.1
15°	1383.9	1383.9	1376.6	1391.1	1388.7
17.5°	1361.3	1362.1	1356.4	1371.8	1370.1
20°	1333.8	1337.8	1333.8	1349.9	1348.3
22.5°	1303.9	1309.5	1307.9	1324.1	1324.9
25°	1272.4	1278.0	1279.7	1296.6	1294.2
27.5°	1237.6	1246.5	1249.8	1265.1	1264.3
30°	1197.3	1209.4	1216.6	1229.6	1233.6
32.5°	1156.1	1170.6	1179.5	1197.3	1202.1
35°	1114.9	1127.8	1142.3	1160.1	1164.1
37.5°	1069.6	1084.2	1103.5	1120.5	1125.4
40°	1024.4	1040.5	1059.1	1077.7	1085.0
42.5°	977.5	994.5	1014.7	1036.5	1043.8
45°	924.2	946.8	971.1	989.6	996.1
47.5°	873.3	898.3	924.2	944.4	951.7
50°	821.6	848.3	875.7	894.3	905.6
52.5°	767.5	796.6	824.0	847.5	854.7
55°	712.5	741.6	772.3	797.4	803.0
57.5°	659.2	687.5	718.2	741.6	752.9
60°	601.1	631.8	664.9	688.3	700.4
62.5°	544.5	574.4	609.9	635.0	644.7
65°	490.4	517.8	554.2	580.0	588.9
67.5°	430.6	462.1	496.8	526.7	538.0
70°	371.6	401.5	441.1	469.4	480.7
72.5°	316.7	345.8	385.4	413.6	424.1
75°	258.5	289.2	331.2	359.5	373.2
77.5°	202.8	236.7	277.1	307.8	323.1
80°	151.1	181.0	224.6	258.5	272.3
82.5°	102.6	134.9	180.2	211.7	227.0
85°	63.0	96.9	139.0	168.8	179.3
87.5°	29.9	62.2	101.0	130.1	143.0
90°	4.0	34.7	71.1	99.4	109.9
92.5°	0.8	29.9	65.4	92.1	101.8
95°	0.8	29.9	64.6	90.5	100.2
97.5°	0.8	29.1	63.8	89.7	98.6
100°	0.8	28.3	63.0	88.1	97.8
102.5°	0.8	28.3	61.4	86.4	95.3
105°	0.8	27.5	60.6	84.8	93.7
107.5°	0.8	26.7	59.0	83.2	92.1
110°	0.8	25.0	58.2	80.8	89.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	24.2	56.6	79.2	87.2
115°	0.8	23.4	54.9	76.7	84.8
117.5°	0.8	22.6	52.5	74.3	82.4
120°	1.6	22.6	50.9	71.9	79.2
122.5°	1.6	21.8	48.5	68.7	75.9
125°	1.6	21.0	46.0	66.2	73.5
127.5°	1.6	20.2	43.6	63.0	69.5
130°	1.6	18.6	42.0	59.8	66.2
132.5°	1.6	17.8	39.6	55.7	62.2
135°	1.6	16.2	37.2	52.5	59.0
137.5°	1.6	15.3	34.7	49.3	54.9
140°	1.6	14.5	31.5	46.0	51.7
142.5°	1.6	12.9	29.1	42.8	47.7
145°	1.6	12.1	25.9	39.6	43.6
147.5°	1.6	10.5	23.4	36.4	40.4
150°	1.6	9.7	21.0	33.1	37.2
152.5°	1.6	8.9	18.6	29.1	33.1
155°	1.6	8.1	17.0	25.0	29.9
157.5°	1.6	7.3	14.5	21.8	26.7
160°	2.4	6.5	12.9	18.6	22.6
162.5°	2.4	5.7	10.5	15.3	20.2
165°	2.4	5.7	8.9	12.1	17.0
167.5°	2.4	4.8	7.3	9.7	13.7
170°	2.4	4.0	6.5	7.3	10.5
172.5°	2.4	3.2	4.8	4.8	5.7
175°	2.4	3.2	4.0	4.0	2.4
177.5°	2.4	2.4	2.4	2.4	1.6
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)