

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: P566368

Luminaire Tested: **4SNX-37SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-37SL-UNV-L840-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

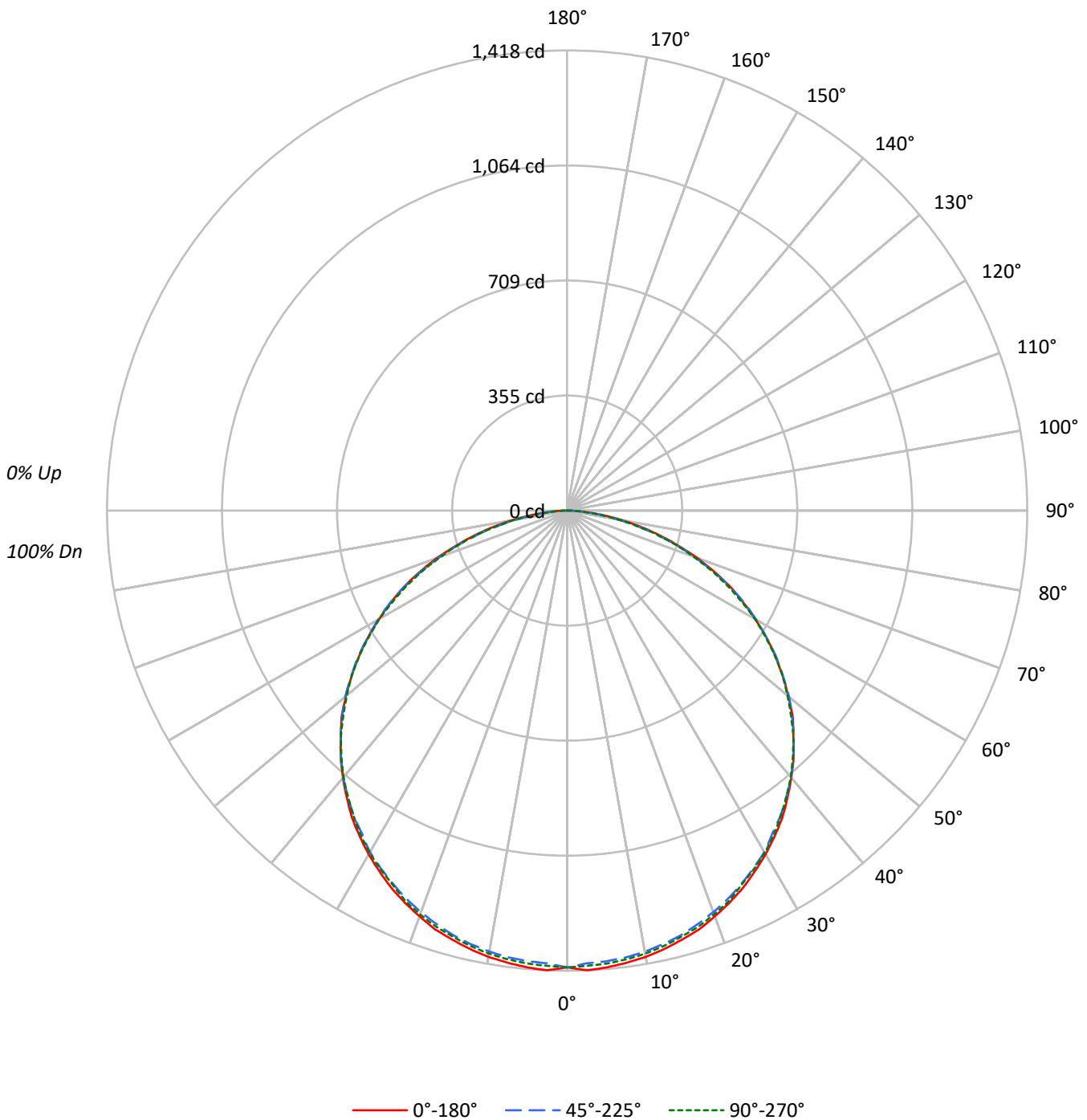
Lumens per Lamp: N/A
Luminaire Lumens: 4209.0 lumens
Efficiency: N/A
Efficacy: 175.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15152	15152	15152
5°	15265	15060	15142
10°	15262	15081	15151
15°	15250	15094	15151
20°	15241	15081	15167
25°	15231	15080	15109
30°	15200	15105	15136
35°	15188	15071	15088
40°	15102	15084	15066
45°	15011	15031	15011
50°	14902	14946	14838
55°	14705	14752	14681
60°	14417	14471	14389
65°	14123	14026	13833
70°	13426	13149	12988
75°	12269	11844	11898
80°	10594	9806	10042
85°	7978	7657	6879



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.5	3.2
10°-20°	384.8	9.1
20°-30°	588.8	14.0
30°-40°	719.9	17.1
40°-50°	761.5	18.1
50°-60°	701.6	16.7
60°-70°	540.7	12.8
70°-80°	302.9	7.2
80°-90°	75.3	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°	1107.1	26.3
0°-40°	1827.0	43.4
0°-60°	3290.1	78.2
0°-90°	4209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4209.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1408	1408	1408	1408	1408	
5°	1413	1408	1394	1408	1401	134
15°	1368	1366	1354	1366	1360	387
25°	1282	1280	1270	1280	1272	591
35°	1156	1153	1147	1151	1148	722
45°	986	990	987	986	986	762
55°	784	790	786	786	782	700
65°	554	554	551	537	543	545
75°	295	291	285	275	286	313
85°	65	61	62	62	56	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1407.7	1407.7	1407.7	1407.7	1407.7
2.5°	1417.8	1411.5	1396.3	1410.2	1403.9
5°	1412.8	1407.7	1393.8	1407.7	1401.4
7.5°	1405.2	1401.4	1388.7	1401.4	1395.0
10°	1396.3	1392.5	1379.8	1392.5	1386.2
12.5°	1383.6	1381.1	1368.5	1381.1	1374.8
15°	1368.5	1365.9	1354.5	1365.9	1359.6
17.5°	1353.3	1348.2	1336.8	1349.5	1344.4
20°	1330.5	1327.9	1316.6	1327.9	1324.1
22.5°	1307.7	1305.2	1295.0	1305.2	1302.6
25°	1282.4	1279.8	1269.7	1279.8	1272.2
27.5°	1253.3	1254.5	1243.1	1249.5	1245.7
30°	1222.9	1222.9	1215.3	1217.8	1217.8
32.5°	1190.0	1190.0	1178.6	1186.2	1184.9
35°	1155.8	1153.2	1146.9	1150.7	1148.2
37.5°	1115.3	1114.0	1110.2	1112.7	1110.2
40°	1074.8	1076.0	1073.5	1072.2	1072.2
42.5°	1033.0	1035.5	1031.7	1030.5	1029.2
45°	986.1	989.9	987.4	986.1	986.1
47.5°	943.1	944.4	940.6	939.3	935.5
50°	889.9	895.0	892.5	889.9	886.1
52.5°	836.8	844.4	839.3	836.8	836.8
55°	783.6	789.9	786.1	786.1	782.3
57.5°	727.9	734.2	729.2	729.2	724.1
60°	669.7	676.0	672.2	668.4	668.4
62.5°	611.4	616.5	615.2	608.9	605.1
65°	554.5	554.5	550.7	536.7	543.1
67.5°	489.9	488.6	483.6	469.7	478.5
70°	426.6	426.6	417.8	401.3	412.7
72.5°	358.3	362.1	350.7	339.3	350.7
75°	295.0	291.2	284.8	274.7	286.1
77.5°	234.2	227.9	220.3	215.2	221.5
80°	170.9	167.1	158.2	158.2	162.0
82.5°	116.5	112.7	106.3	107.6	102.5
85°	64.6	60.8	62.0	62.0	55.7
87.5°	26.6	26.6	26.6	24.1	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)