

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: P567771

Luminaire Tested: **8SNX-40SL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567771  
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: 8SNX-40SL-UNV-L835-CD  
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

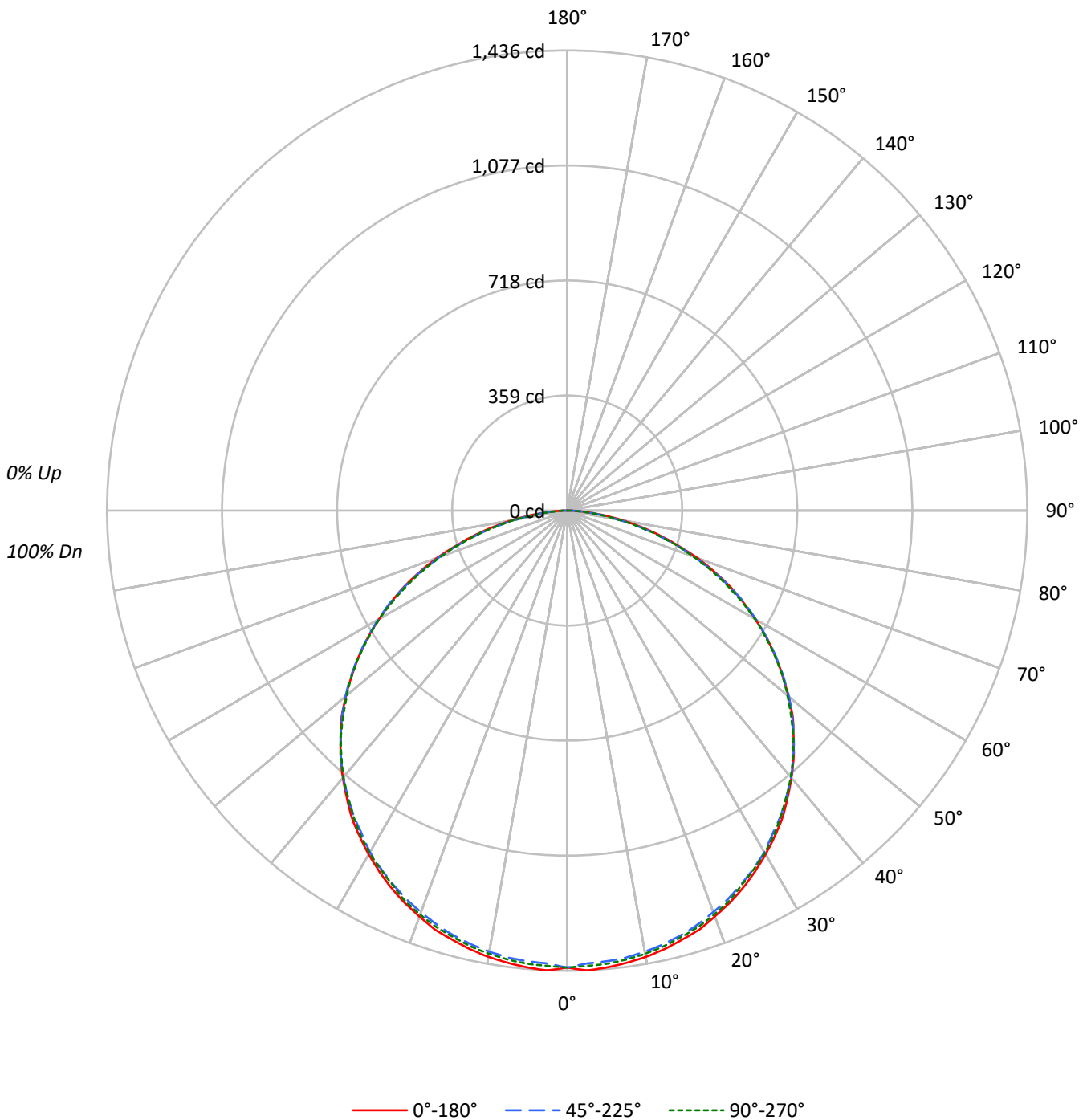
Lumens per Lamp: N/A  
Luminaire Lumens: 4264.0 lumens  
Efficiency: N/A  
Efficacy: 176.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.2  
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°	7675	7675	7675
5°	7732	7628	7670
10°	7730	7639	7674
15°	7724	7646	7675
20°	7720	7639	7683
25°	7714	7638	7654
30°	7699	7651	7667
35°	7693	7634	7642
40°	7650	7640	7631
45°	7604	7614	7604
50°	7549	7570	7516
55°	7448	7473	7437
60°	7302	7330	7288
65°	7153	7105	7007
70°	6801	6659	6579
75°	6213	6001	6026
80°	5365	4968	5089
85°	4039	3878	3483



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.3	3.2
10°-20°	389.8	9.1
20°-30°	596.5	14.0
30°-40°	729.3	17.1
40°-50°	771.4	18.1
50°-60°	710.8	16.7
60°-70°	547.7	12.8
70°-80°	306.9	7.2
80°-90°	76.3	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°	1121.6	26.3
0°-40°	1850.9	43.4
0°-60°	3333.1	78.2
0°-90°	4264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4264.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1426	1426	1426	1426	1426	
5°	1431	1426	1412	1426	1420	136
15°	1386	1384	1372	1384	1377	392
25°	1299	1297	1286	1297	1289	599
35°	1171	1168	1162	1166	1163	732
45°	999	1003	1000	999	999	772
55°	794	800	796	796	793	709
65°	562	562	558	544	550	553
75°	299	295	289	278	290	317
85°	65	62	63	63	56	81
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1426.1	1426.1	1426.1	1426.1	1426.1
2.5°	1436.4	1429.9	1414.5	1428.7	1422.2
5°	1431.2	1426.1	1412.0	1426.1	1419.7
7.5°	1423.5	1419.7	1406.9	1419.7	1413.3
10°	1414.5	1410.7	1397.9	1410.7	1404.3
12.5°	1401.7	1399.2	1386.3	1399.2	1392.7
15°	1386.3	1383.8	1372.2	1383.8	1377.4
17.5°	1370.9	1365.8	1354.3	1367.1	1362.0
20°	1347.9	1345.3	1333.8	1345.3	1341.4
22.5°	1324.8	1322.2	1312.0	1322.2	1319.6
25°	1299.1	1296.6	1286.3	1296.6	1288.9
27.5°	1269.6	1270.9	1259.4	1265.8	1261.9
30°	1238.9	1238.9	1231.2	1233.7	1233.7
32.5°	1205.5	1205.5	1194.0	1201.7	1200.4
35°	1170.9	1168.3	1161.9	1165.8	1163.2
37.5°	1129.8	1128.6	1124.7	1127.3	1124.7
40°	1088.8	1090.1	1087.5	1086.2	1086.2
42.5°	1046.5	1049.0	1045.2	1043.9	1042.6
45°	999.0	1002.9	1000.3	999.0	999.0
47.5°	955.4	956.7	952.9	951.6	947.7
50°	901.6	906.7	904.1	901.6	897.7
52.5°	847.7	855.4	850.3	847.7	847.7
55°	793.8	800.3	796.4	796.4	792.6
57.5°	737.4	743.8	738.7	738.7	733.6
60°	678.4	684.8	681.0	677.1	677.1
62.5°	619.4	624.6	623.3	616.9	613.0
65°	561.7	561.7	557.9	543.8	550.2
67.5°	496.3	495.0	489.9	475.8	484.8
70°	432.2	432.2	423.2	406.5	418.1
72.5°	362.9	366.8	355.2	343.7	355.2
75°	298.8	295.0	288.6	278.3	289.8
77.5°	237.3	230.8	223.1	218.0	224.4
80°	173.1	169.3	160.3	160.3	164.2
82.5°	118.0	114.1	107.7	109.0	103.9
85°	65.4	61.6	62.8	62.8	56.4
87.5°	26.9	26.9	26.9	24.4	21.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)