

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: P566415

Luminaire Tested: **4SNX-41SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566415
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-41SL-UNV-L835-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

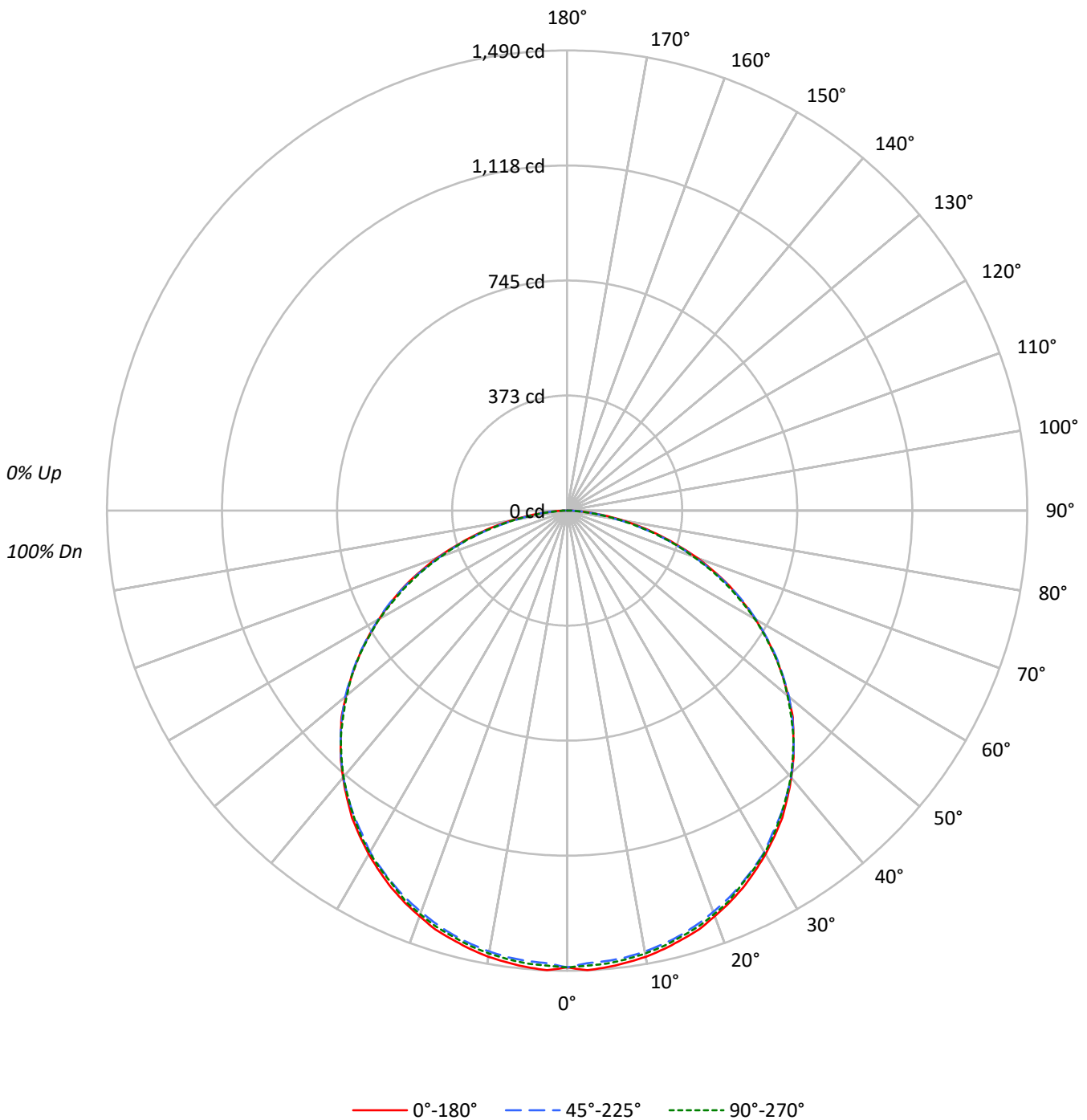
Lumens per Lamp: N/A
Luminaire Lumens: 4422.0 lumens
Efficiency: N/A
Efficacy: 168.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
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

TEST NUMBER: P566415

CATALOG NUMBER: 4SNX-41SL-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566415

CATALOG NUMBER: 4SNX-41SL-UNV-L835-CD

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15919	15919	15919
5°	16038	15822	15908
10°	16034	15845	15917
15°	16021	15858	15918
20°	16011	15844	15936
25°	16001	15843	15874
30°	15969	15869	15902
35°	15956	15834	15851
40°	15867	15847	15829
45°	15772	15792	15772
50°	15657	15701	15590
55°	15450	15499	15424
60°	15147	15203	15117
65°	14836	14734	14533
70°	14106	13813	13646
75°	12888	12443	12502
80°	11127	10302	10550
85°	8373	8052	7225



TEST NUMBER: P566415

CATALOG NUMBER: 4SNX-41SL-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	3.2
10°-20°	404.3	9.1
20°-30°	618.6	14.0
30°-40°	756.3	17.1
40°-50°	800.0	18.1
50°-60°	737.1	16.7
60°-70°	568.0	12.8
70°-80°	318.3	7.2
80°-90°	79.1	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°	1163.1	26.3
0°-40°	1919.4	43.4
0°-60°	3456.6	78.2
0°-90°	4422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4422.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1479	1479	1479	1479	1479	
5°	1484	1479	1464	1479	1472	141
15°	1438	1435	1423	1435	1428	406
25°	1347	1345	1334	1345	1337	621
35°	1214	1212	1205	1209	1206	759
45°	1036	1040	1037	1036	1036	800
55°	823	830	826	826	822	735
65°	582	582	578	564	571	573
75°	310	306	299	289	301	329
85°	68	64	65	65	58	84
90°	0	0	0	0	0	



TEST NUMBER: P566415

CATALOG NUMBER: 4SNX-41SL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1478.9	1478.9	1478.9	1478.9	1478.9
2.5°	1489.6	1482.9	1467.0	1481.6	1474.9
5°	1484.3	1478.9	1464.3	1478.9	1472.3
7.5°	1476.3	1472.3	1459.0	1472.3	1465.6
10°	1467.0	1463.0	1449.7	1463.0	1456.3
12.5°	1453.7	1451.0	1437.7	1451.0	1444.4
15°	1437.7	1435.0	1423.1	1435.0	1428.4
17.5°	1421.7	1416.4	1404.5	1417.8	1412.4
20°	1397.8	1395.1	1383.2	1395.1	1391.2
22.5°	1373.9	1371.2	1360.6	1371.2	1368.5
25°	1347.3	1344.6	1334.0	1344.6	1336.6
27.5°	1316.7	1318.0	1306.0	1312.7	1308.7
30°	1284.8	1284.8	1276.8	1279.4	1279.4
32.5°	1250.2	1250.2	1238.2	1246.2	1244.9
35°	1214.3	1211.6	1205.0	1208.9	1206.3
37.5°	1171.7	1170.4	1166.4	1169.0	1166.4
40°	1129.2	1130.5	1127.8	1126.5	1126.5
42.5°	1085.3	1087.9	1083.9	1082.6	1081.3
45°	1036.1	1040.0	1037.4	1036.1	1036.1
47.5°	990.8	992.2	988.2	986.8	982.9
50°	935.0	940.3	937.6	935.0	931.0
52.5°	879.1	887.1	881.8	879.1	879.1
55°	823.3	829.9	825.9	825.9	821.9
57.5°	764.7	771.4	766.1	766.1	760.7
60°	703.6	710.2	706.2	702.2	702.2
62.5°	642.4	647.7	646.4	639.7	635.7
65°	582.5	582.5	578.5	563.9	570.6
67.5°	514.7	513.4	508.1	493.4	502.7
70°	448.2	448.2	438.9	421.6	433.6
72.5°	376.4	380.4	368.4	356.4	368.4
75°	309.9	305.9	299.2	288.6	300.6
77.5°	246.0	239.4	231.4	226.1	232.7
80°	179.5	175.6	166.2	166.2	170.2
82.5°	122.4	118.4	111.7	113.0	107.7
85°	67.8	63.8	65.2	65.2	58.5
87.5°	27.9	27.9	27.9	25.3	22.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)