

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: P566463

Luminaire Tested: **4SNX-45SL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566463
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-45SL-UNV-L835-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

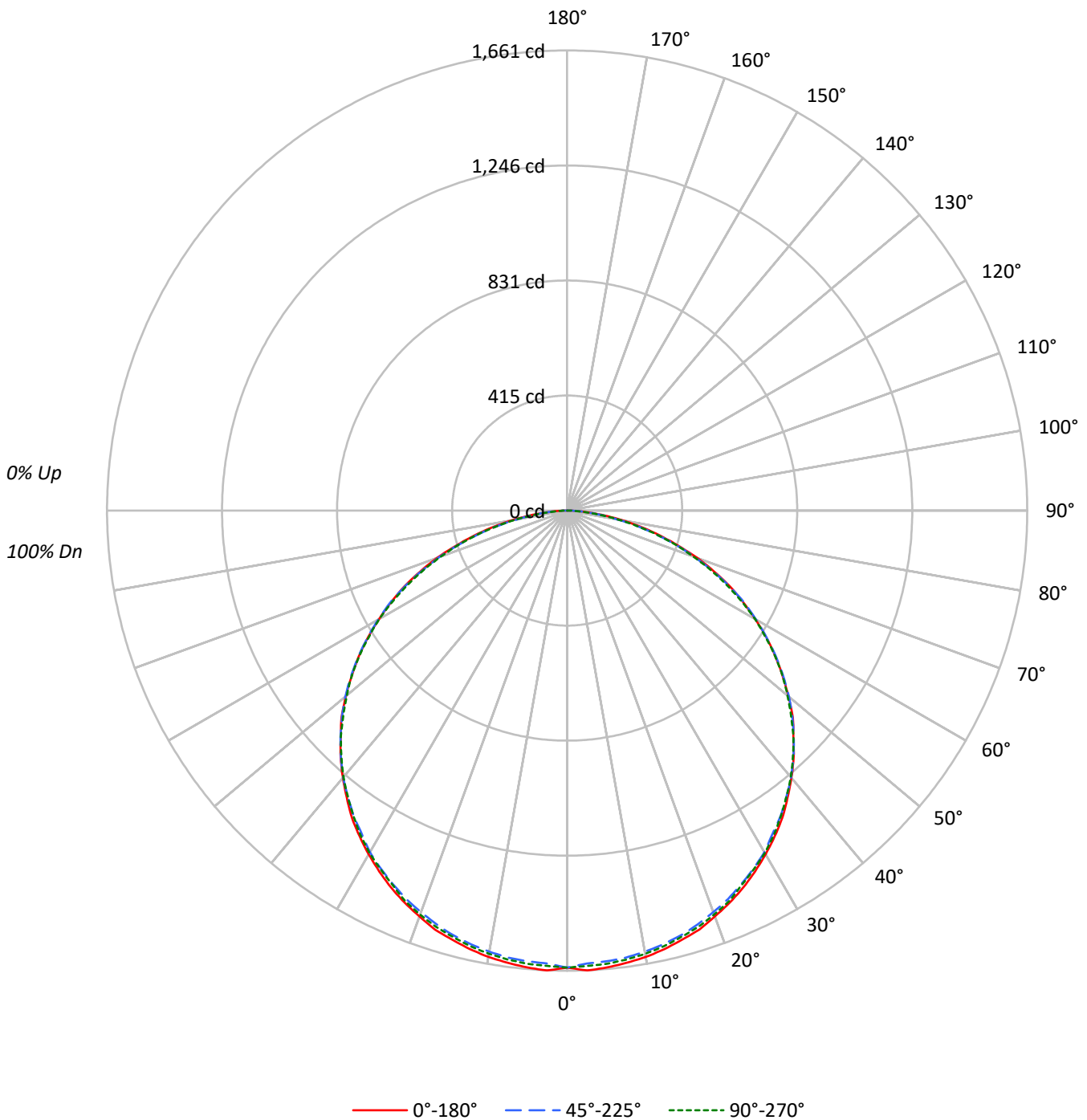
Lumens per Lamp: N/A
Luminaire Lumens: 4932.0 lumens
Efficiency: N/A
Efficacy: 165.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
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	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°	17755	17755	17755
5°	17887	17647	17743
10°	17884	17673	17754
15°	17869	17687	17753
20°	17858	17671	17773
25°	17847	17670	17706
30°	17810	17699	17736
35°	17796	17659	17679
40°	17696	17675	17654
45°	17590	17612	17590
50°	17462	17513	17389
55°	17231	17288	17203
60°	16893	16957	16861
65°	16548	16436	16209
70°	15733	15405	15220
75°	14373	13882	13940
80°	12416	11492	11771
85°	9349	8979	8065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.5	3.2
10°-20°	450.9	9.1
20°-30°	689.9	14.0
30°-40°	843.5	17.1
40°-50°	892.3	18.1
50°-60°	822.2	16.7
60°-70°	633.5	12.8
70°-80°	355.0	7.2
80°-90°	88.2	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°	1297.3	26.3
0°-40°	2140.8	43.4
0°-60°	3855.3	78.2
0°-90°	4932.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4932.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1650	1650	1650	1650	1650	
5°	1655	1650	1633	1650	1642	157
15°	1604	1601	1587	1601	1593	453
25°	1503	1500	1488	1500	1491	693
35°	1354	1351	1344	1348	1345	846
45°	1156	1160	1157	1156	1156	893
55°	918	926	921	921	917	820
65°	650	650	645	629	636	639
75°	346	341	334	322	335	366
85°	76	71	73	73	65	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1649.5	1649.5	1649.5	1649.5	1649.5
2.5°	1661.4	1654.0	1636.2	1652.5	1645.1
5°	1655.4	1649.5	1633.2	1649.5	1642.1
7.5°	1646.5	1642.1	1627.3	1642.1	1634.7
10°	1636.2	1631.7	1616.9	1631.7	1624.3
12.5°	1621.3	1618.4	1603.5	1618.4	1610.9
15°	1603.5	1600.6	1587.2	1600.6	1593.1
17.5°	1585.7	1579.8	1566.4	1581.3	1575.3
20°	1559.0	1556.1	1542.7	1556.1	1551.6
22.5°	1532.3	1529.4	1517.5	1529.4	1526.4
25°	1502.7	1499.7	1487.8	1499.7	1490.8
27.5°	1468.5	1470.0	1456.7	1464.1	1459.6
30°	1432.9	1432.9	1424.0	1427.0	1427.0
32.5°	1394.4	1394.4	1381.0	1389.9	1388.4
35°	1354.3	1351.3	1343.9	1348.4	1345.4
37.5°	1306.8	1305.4	1300.9	1303.9	1300.9
40°	1259.4	1260.9	1257.9	1256.4	1256.4
42.5°	1210.4	1213.4	1208.9	1207.5	1206.0
45°	1155.5	1160.0	1157.0	1155.5	1155.5
47.5°	1105.1	1106.6	1102.1	1100.7	1096.2
50°	1042.8	1048.7	1045.8	1042.8	1038.4
52.5°	980.5	989.4	983.5	980.5	980.5
55°	918.2	925.6	921.2	921.2	916.7
57.5°	852.9	860.4	854.4	854.4	848.5
60°	784.7	792.1	787.7	783.2	783.2
62.5°	716.5	722.4	720.9	713.5	709.0
65°	649.7	649.7	645.3	628.9	636.4
67.5°	574.1	572.6	566.6	550.3	560.7
70°	499.9	499.9	489.5	470.2	483.6
72.5°	419.8	424.2	410.9	397.5	410.9
75°	345.6	341.2	333.8	321.9	335.2
77.5°	274.4	267.0	258.1	252.2	259.6
80°	200.3	195.8	185.4	185.4	189.9
82.5°	136.5	132.0	124.6	126.1	120.2
85°	75.7	71.2	72.7	72.7	65.3
87.5°	31.2	31.2	31.2	28.2	25.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)