

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: P566462

Luminaire Tested: **4SNX-45SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566462
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-L830-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

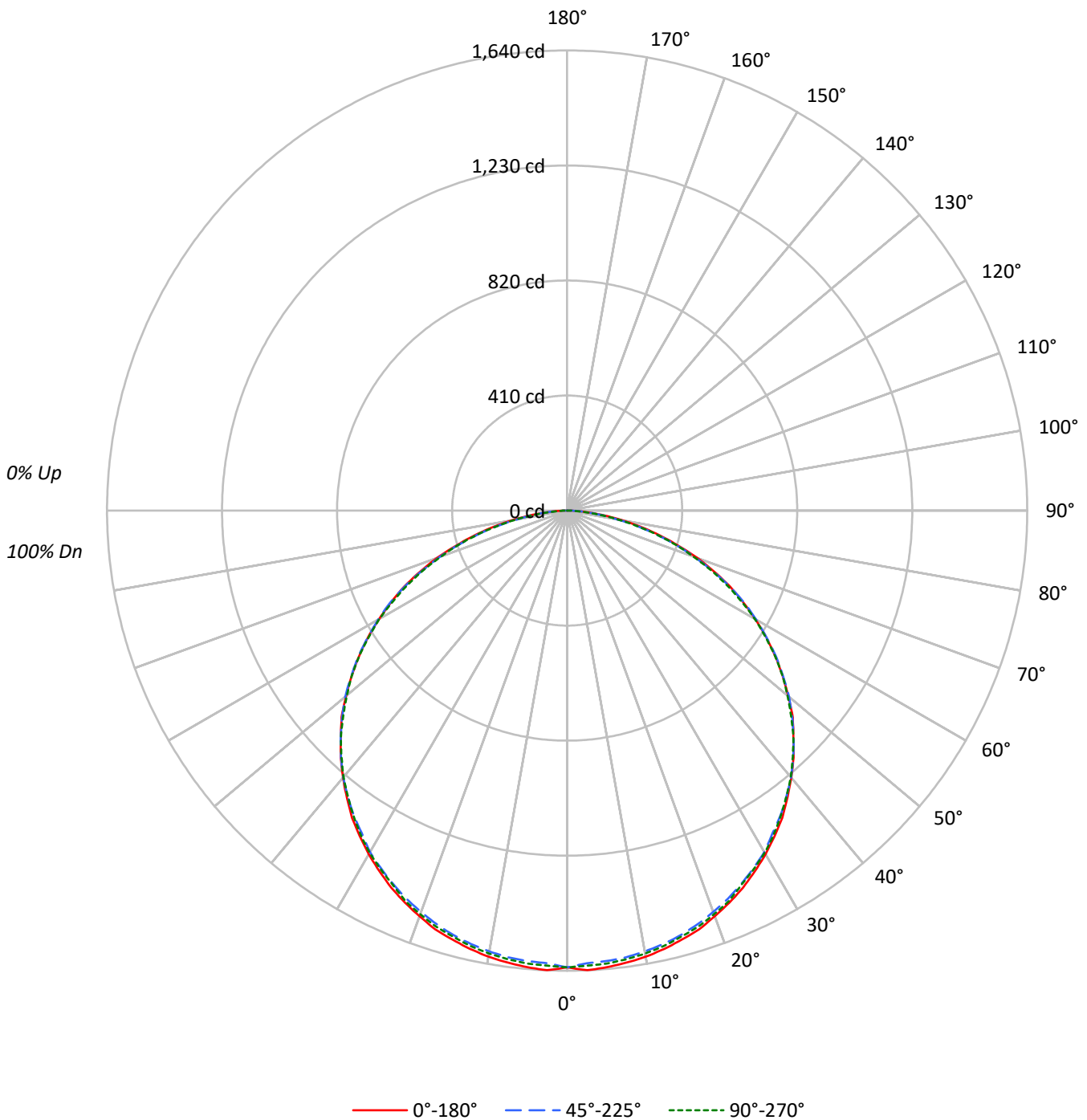
Lumens per Lamp: N/A
Luminaire Lumens: 4867.0 lumens
Efficiency: N/A
Efficacy: 163.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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	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°	17522	17522	17522
5°	17651	17414	17508
10°	17648	17440	17520
15°	17634	17454	17519
20°	17623	17439	17539
25°	17611	17437	17472
30°	17575	17467	17503
35°	17562	17427	17446
40°	17463	17442	17422
45°	17358	17381	17358
50°	17233	17282	17159
55°	17004	17059	16976
60°	16671	16734	16639
65°	16331	16219	15995
70°	15525	15204	15018
75°	14186	13699	13758
80°	12249	11344	11616
85°	9226	8855	7954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.4	3.2
10°-20°	445.0	9.1
20°-30°	680.8	14.0
30°-40°	832.4	17.1
40°-50°	880.5	18.1
50°-60°	811.3	16.7
60°-70°	625.2	12.8
70°-80°	350.3	7.2
80°-90°	87.1	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°	1280.2	26.3
0°-40°	2112.6	43.4
0°-60°	3804.5	78.2
0°-90°	4867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4867.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1628	1628	1628	1628	1628	
5°	1634	1628	1612	1628	1620	155
15°	1582	1580	1566	1580	1572	447
25°	1483	1480	1468	1480	1471	683
35°	1336	1334	1326	1331	1328	835
45°	1140	1145	1142	1140	1140	881
55°	906	913	909	909	905	809
65°	641	641	637	621	628	631
75°	341	337	329	318	331	362
85°	75	70	72	72	64	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1627.8	1627.8	1627.8	1627.8	1627.8
2.5°	1639.5	1632.2	1614.6	1630.7	1623.4
5°	1633.6	1627.8	1611.7	1627.8	1620.4
7.5°	1624.8	1620.4	1605.8	1620.4	1613.1
10°	1614.6	1610.2	1595.6	1610.2	1602.9
12.5°	1600.0	1597.0	1582.4	1597.0	1589.7
15°	1582.4	1579.5	1566.3	1579.5	1572.1
17.5°	1564.8	1559.0	1545.8	1560.4	1554.6
20°	1538.5	1535.5	1522.4	1535.5	1531.2
22.5°	1512.1	1509.2	1497.5	1509.2	1506.3
25°	1482.8	1479.9	1468.2	1479.9	1471.1
27.5°	1449.2	1450.6	1437.5	1444.8	1440.4
30°	1414.0	1414.0	1405.3	1408.2	1408.2
32.5°	1376.0	1376.0	1362.8	1371.6	1370.1
35°	1336.5	1333.5	1326.2	1330.6	1327.7
37.5°	1289.6	1288.2	1283.8	1286.7	1283.8
40°	1242.8	1244.2	1241.3	1239.9	1239.9
42.5°	1194.5	1197.4	1193.0	1191.5	1190.1
45°	1140.3	1144.7	1141.8	1140.3	1140.3
47.5°	1090.5	1092.0	1087.6	1086.2	1081.8
50°	1029.1	1034.9	1032.0	1029.1	1024.7
52.5°	967.6	976.4	970.5	967.6	967.6
55°	906.1	913.4	909.0	909.0	904.6
57.5°	841.7	849.0	843.2	843.2	837.3
60°	774.4	781.7	777.3	772.9	772.9
62.5°	707.0	712.9	711.4	704.1	699.7
65°	641.2	641.2	636.8	620.7	628.0
67.5°	566.5	565.0	559.2	543.1	553.3
70°	493.3	493.3	483.1	464.0	477.2
72.5°	414.3	418.7	405.5	392.3	405.5
75°	341.1	336.7	329.4	317.6	330.8
77.5°	270.8	263.5	254.7	248.8	256.2
80°	197.6	193.2	183.0	183.0	187.4
82.5°	134.7	130.3	123.0	124.4	118.6
85°	74.7	70.3	71.7	71.7	64.4
87.5°	30.7	30.7	30.7	27.8	24.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)