

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: P566465

Luminaire Tested: **4SNX-45SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566465
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-L850-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

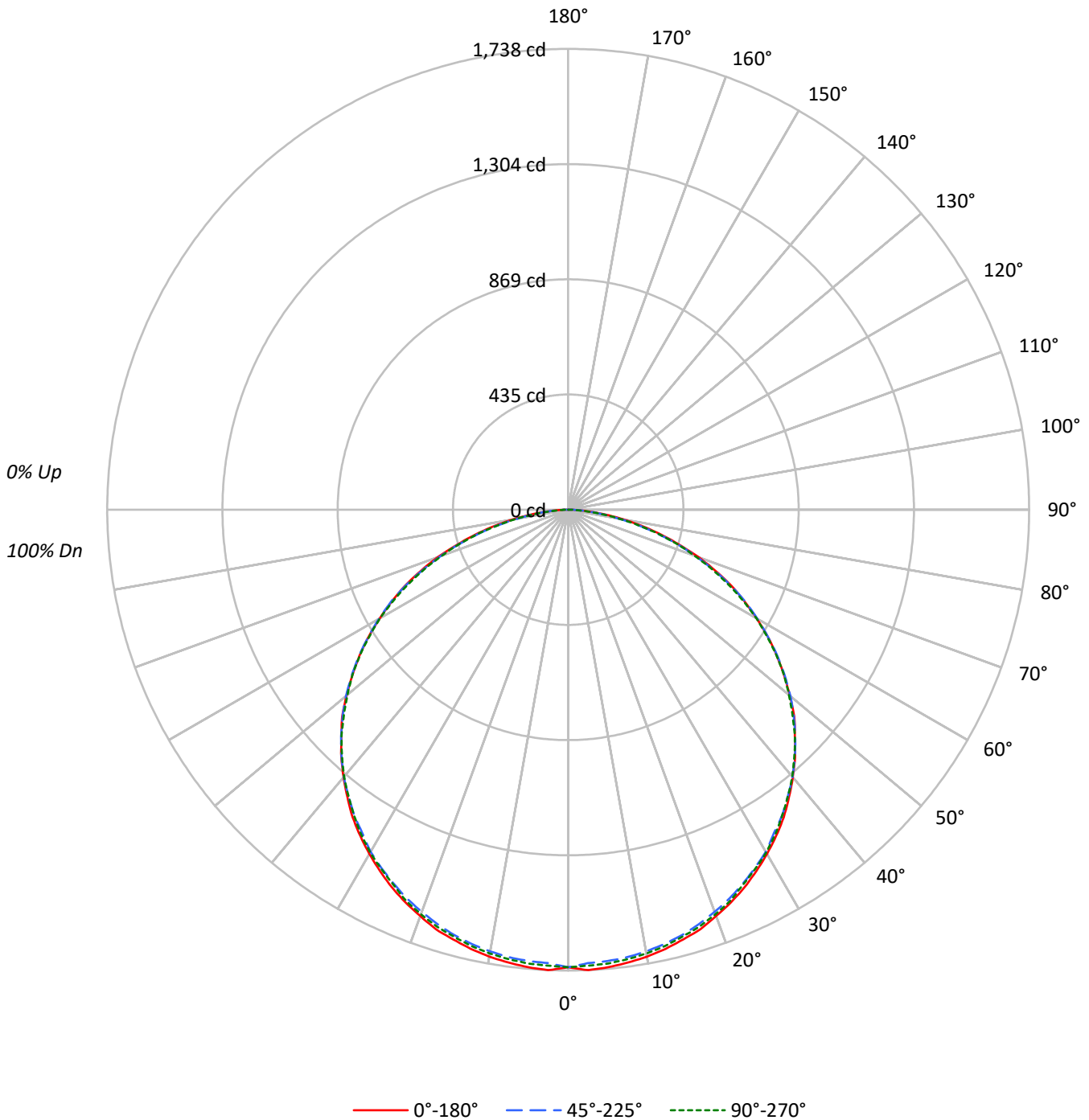
Lumens per Lamp: N/A
Luminaire Lumens: 5160.0 lumens
Efficiency: N/A
Efficacy: 173.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	18576	18576	18576
5°	18714	18463	18563
10°	18710	18489	18574
15°	18695	18505	18574
20°	18684	18488	18594
25°	18671	18487	18524
30°	18634	18518	18557
35°	18619	18477	18496
40°	18514	18492	18470
45°	18404	18427	18404
50°	18270	18321	18193
55°	18029	18087	17999
60°	17674	17741	17640
65°	17314	17195	16958
70°	16460	16117	15921
75°	15038	14523	14585
80°	12986	12025	12311
85°	9769	9386	8435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.7	3.2
10°-20°	471.7	9.1
20°-30°	721.8	14.0
30°-40°	882.5	17.1
40°-50°	933.6	18.1
50°-60°	860.2	16.7
60°-70°	662.8	12.8
70°-80°	371.4	7.2
80°-90°	92.3	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°	1357.3	26.3
0°-40°	2239.8	43.4
0°-60°	4033.5	78.2
0°-90°	5160.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5160.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1726	1726	1726	1726	1726	
5°	1732	1726	1709	1726	1718	165
15°	1678	1674	1661	1674	1667	474
25°	1572	1569	1557	1569	1560	725
35°	1417	1414	1406	1411	1408	885
45°	1209	1214	1210	1209	1209	934
55°	961	968	964	964	959	858
65°	680	680	675	658	666	669
75°	362	357	349	337	351	383
85°	79	74	76	76	68	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1725.8	1725.8	1725.8	1725.8	1725.8
2.5°	1738.2	1730.4	1711.8	1728.9	1721.1
5°	1732.0	1725.8	1708.7	1725.8	1718.0
7.5°	1722.7	1718.0	1702.5	1718.0	1710.2
10°	1711.8	1707.1	1691.6	1707.1	1699.4
12.5°	1696.3	1693.2	1677.6	1693.2	1685.4
15°	1677.6	1674.5	1660.6	1674.5	1666.8
17.5°	1659.0	1652.8	1638.8	1654.4	1648.2
20°	1631.1	1628.0	1614.0	1628.0	1623.3
22.5°	1603.2	1600.1	1587.6	1600.1	1596.9
25°	1572.1	1569.0	1556.6	1569.0	1559.7
27.5°	1536.4	1538.0	1524.0	1531.8	1527.1
30°	1499.2	1499.2	1489.9	1493.0	1493.0
32.5°	1458.8	1458.8	1444.9	1454.2	1452.6
35°	1416.9	1413.8	1406.1	1410.7	1407.6
37.5°	1367.3	1365.7	1361.1	1364.2	1361.1
40°	1317.6	1319.1	1316.0	1314.5	1314.5
42.5°	1266.4	1269.5	1264.8	1263.3	1261.7
45°	1209.0	1213.6	1210.5	1209.0	1209.0
47.5°	1156.2	1157.7	1153.1	1151.5	1146.9
50°	1091.0	1097.2	1094.1	1091.0	1086.4
52.5°	1025.8	1035.1	1028.9	1025.8	1025.8
55°	960.7	968.4	963.8	963.8	959.1
57.5°	892.4	900.1	893.9	893.9	887.7
60°	821.0	828.7	824.1	819.4	819.4
62.5°	749.6	755.8	754.2	746.5	741.8
65°	679.8	679.8	675.1	658.0	665.8
67.5°	600.6	599.0	592.8	575.8	586.6
70°	523.0	523.0	512.1	492.0	505.9
72.5°	439.2	443.9	429.9	415.9	429.9
75°	361.6	356.9	349.2	336.8	350.7
77.5°	287.1	279.3	270.0	263.8	271.6
80°	209.5	204.9	194.0	194.0	198.6
82.5°	142.8	138.1	130.4	131.9	125.7
85°	79.1	74.5	76.0	76.0	68.3
87.5°	32.6	32.6	32.6	29.5	26.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)