

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: P567870

Luminaire Tested: **8SNX-52SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567870
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-52SL-UNV-L930-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

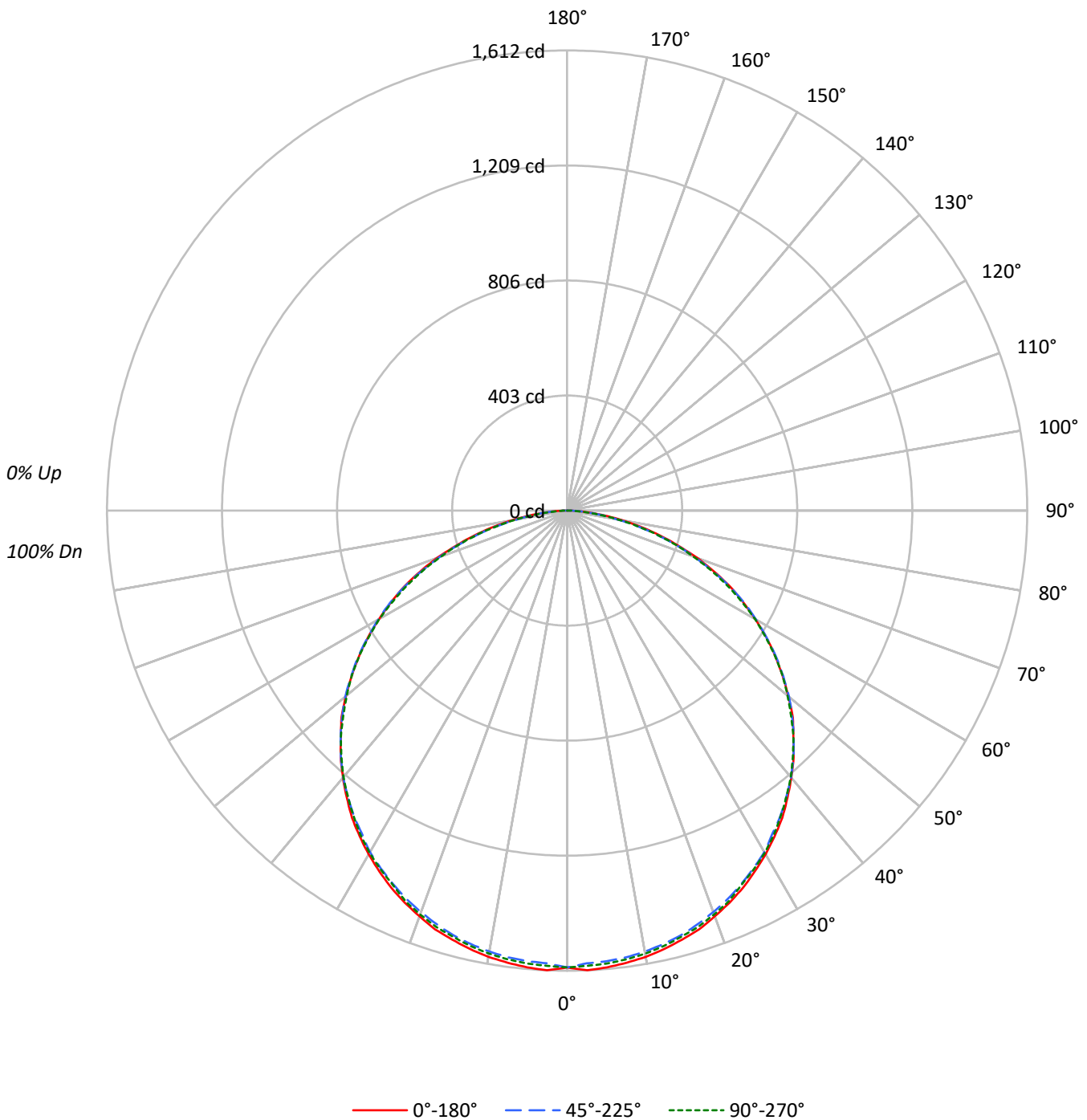
Lumens per Lamp: N/A
Luminaire Lumens: 4785.0 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 32.8
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	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°	8613	8613	8613
5°	8677	8560	8607
10°	8675	8573	8612
15°	8668	8580	8612
20°	8663	8572	8622
25°	8657	8572	8589
30°	8639	8586	8604
35°	8633	8567	8576
40°	8584	8574	8564
45°	8533	8544	8533
50°	8471	8495	8435
55°	8359	8386	8345
60°	8195	8226	8179
65°	8027	7972	7862
70°	7632	7473	7383
75°	6972	6733	6762
80°	6022	5576	5709
85°	4533	4353	3909



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	3.2
10°-20°	437.5	9.1
20°-30°	669.3	14.0
30°-40°	818.4	17.1
40°-50°	865.7	18.1
50°-60°	797.7	16.7
60°-70°	614.6	12.8
70°-80°	344.4	7.2
80°-90°	85.6	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°	1258.6	26.3
0°-40°	2077.0	43.4
0°-60°	3740.4	78.2
0°-90°	4785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4785.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1600	1600	1600	1600	1600	
5°	1606	1600	1584	1600	1593	153
15°	1556	1553	1540	1553	1546	440
25°	1458	1455	1444	1455	1446	672
35°	1314	1311	1304	1308	1305	821
45°	1121	1125	1122	1121	1121	866
55°	891	898	894	894	889	795
65°	630	630	626	610	617	620
75°	335	331	324	312	325	356
85°	73	69	70	70	63	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	1611.9	1604.7	1587.4	1603.2	1596.0
5°	1606.1	1600.3	1584.5	1600.3	1593.1
7.5°	1597.5	1593.1	1578.8	1593.1	1585.9
10°	1587.4	1583.1	1568.7	1583.1	1575.9
12.5°	1573.0	1570.1	1555.7	1570.1	1562.9
15°	1555.7	1552.8	1539.9	1552.8	1545.7
17.5°	1538.5	1532.7	1519.7	1534.1	1528.4
20°	1512.6	1509.7	1496.7	1509.7	1505.4
22.5°	1486.6	1483.8	1472.3	1483.8	1480.9
25°	1457.9	1455.0	1443.5	1455.0	1446.4
27.5°	1424.8	1426.2	1413.2	1420.4	1416.1
30°	1390.2	1390.2	1381.6	1384.5	1384.5
32.5°	1352.8	1352.8	1339.9	1348.5	1347.0
35°	1313.9	1311.1	1303.9	1308.2	1305.3
37.5°	1267.9	1266.5	1262.1	1265.0	1262.1
40°	1221.8	1223.3	1220.4	1219.0	1219.0
42.5°	1174.3	1177.2	1172.9	1171.5	1170.0
45°	1121.1	1125.4	1122.5	1121.1	1121.1
47.5°	1072.2	1073.6	1069.3	1067.9	1063.5
50°	1011.7	1017.5	1014.6	1011.7	1007.4
52.5°	951.3	959.9	954.2	951.3	951.3
55°	890.8	898.0	893.7	893.7	889.4
57.5°	827.5	834.7	829.0	829.0	823.2
60°	761.3	768.5	764.2	759.9	759.9
62.5°	695.1	700.9	699.4	692.2	687.9
65°	630.3	630.3	626.0	610.2	617.4
67.5°	557.0	555.5	549.8	533.9	544.0
70°	485.0	485.0	474.9	456.2	469.2
72.5°	407.3	411.6	398.6	385.7	398.6
75°	335.3	331.0	323.8	312.3	325.2
77.5°	266.2	259.0	250.4	244.7	251.9
80°	194.3	190.0	179.9	179.9	184.2
82.5°	132.4	128.1	120.9	122.3	116.6
85°	73.4	69.1	70.5	70.5	63.3
87.5°	30.2	30.2	30.2	27.3	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)