

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: P567825

Luminaire Tested: **8SNX-44SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567825
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-44SL-UNV-L950-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

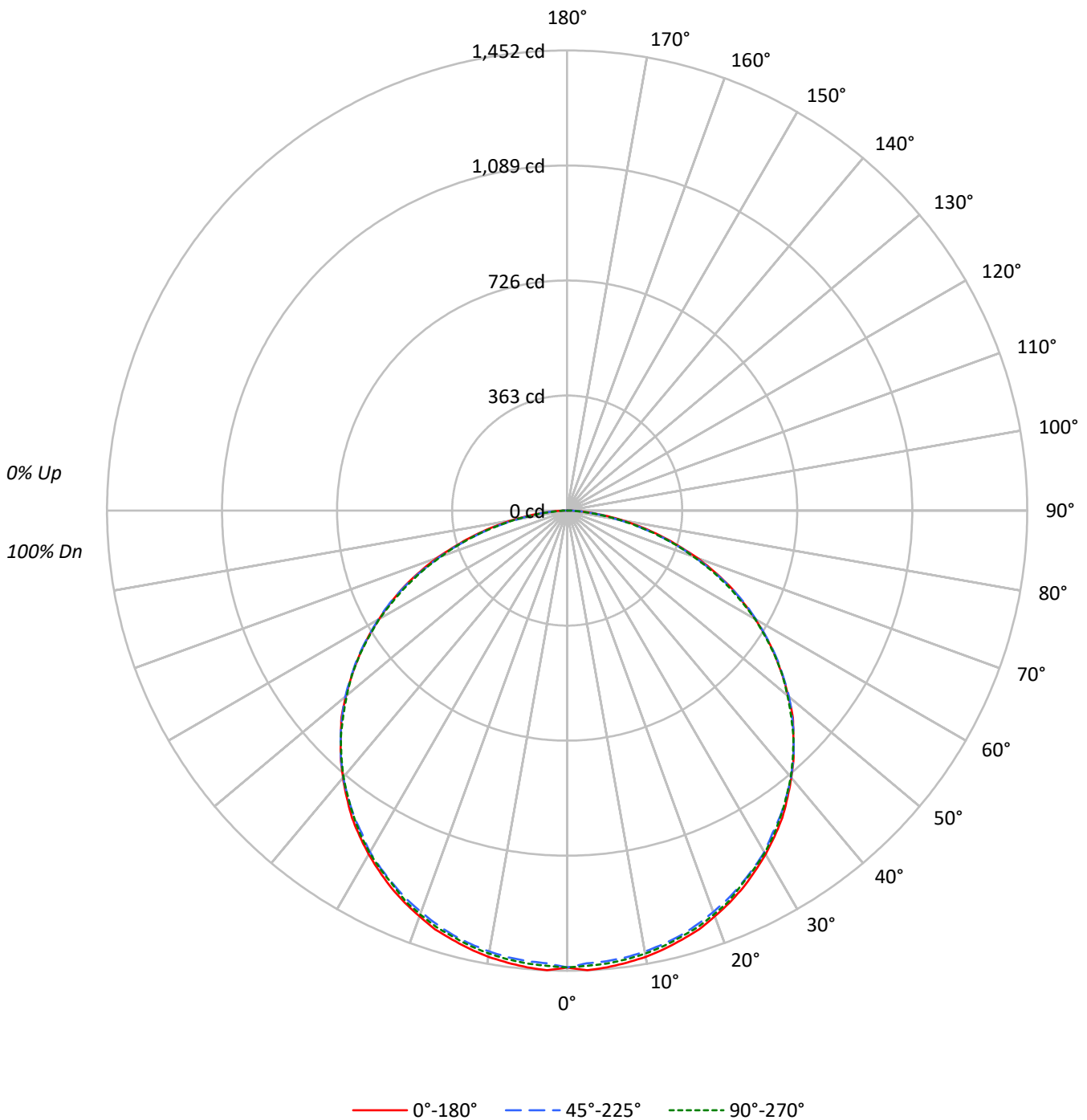
Lumens per Lamp: N/A
Luminaire Lumens: 4310.0 lumens
Efficiency: N/A
Efficacy: 156.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 27.6
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°	7758	7758	7758
5°	7816	7710	7753
10°	7814	7722	7757
15°	7808	7728	7757
20°	7803	7721	7766
25°	7798	7721	7736
30°	7782	7733	7750
35°	7776	7716	7725
40°	7732	7723	7714
45°	7686	7696	7686
50°	7630	7652	7598
55°	7529	7553	7517
60°	7381	7409	7367
65°	7231	7181	7082
70°	6875	6732	6650
75°	6280	6066	6093
80°	5424	5021	5142
85°	4082	3921	3520



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	3.2
10°-20°	394.0	9.1
20°-30°	602.9	14.0
30°-40°	737.1	17.1
40°-50°	779.8	18.1
50°-60°	718.5	16.7
60°-70°	553.6	12.8
70°-80°	310.2	7.2
80°-90°	77.1	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°	1133.7	26.3
0°-40°	1870.8	43.4
0°-60°	3369.0	78.2
0°-90°	4310.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4310.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1442	1442	1442	1442	1442	
5°	1447	1442	1427	1442	1435	138
15°	1401	1399	1387	1399	1392	396
25°	1313	1311	1300	1311	1303	605
35°	1184	1181	1174	1178	1176	739
45°	1010	1014	1011	1010	1010	780
55°	802	809	805	805	801	717
65°	568	568	564	550	556	558
75°	302	298	292	281	293	320
85°	66	62	64	64	57	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1441.5	1441.5	1441.5	1441.5	1441.5
2.5°	1451.8	1445.4	1429.8	1444.1	1437.6
5°	1446.7	1441.5	1427.2	1441.5	1435.0
7.5°	1438.9	1435.0	1422.0	1435.0	1428.5
10°	1429.8	1425.9	1413.0	1425.9	1419.4
12.5°	1416.8	1414.3	1401.3	1414.3	1407.8
15°	1401.3	1398.7	1387.0	1398.7	1392.2
17.5°	1385.7	1380.6	1368.9	1381.8	1376.7
20°	1362.4	1359.8	1348.1	1359.8	1355.9
22.5°	1339.1	1336.5	1326.1	1336.5	1333.9
25°	1313.1	1310.6	1300.2	1310.6	1302.8
27.5°	1283.3	1284.6	1273.0	1279.4	1275.6
30°	1252.2	1252.2	1244.4	1247.0	1247.0
32.5°	1218.5	1218.5	1206.8	1214.6	1213.3
35°	1183.5	1180.9	1174.4	1178.3	1175.7
37.5°	1142.0	1140.7	1136.8	1139.4	1136.8
40°	1100.6	1101.8	1099.3	1098.0	1098.0
42.5°	1057.8	1060.4	1056.5	1055.2	1053.9
45°	1009.8	1013.7	1011.1	1009.8	1009.8
47.5°	965.7	967.0	963.1	961.8	958.0
50°	911.3	916.5	913.9	911.3	907.4
52.5°	856.8	864.6	859.4	856.8	856.8
55°	802.4	808.9	805.0	805.0	801.1
57.5°	745.4	751.8	746.7	746.7	741.5
60°	685.7	692.2	688.3	684.4	684.4
62.5°	626.1	631.3	630.0	623.5	619.6
65°	567.8	567.8	563.9	549.6	556.1
67.5°	501.7	500.4	495.2	480.9	490.0
70°	436.9	436.9	427.8	410.9	422.6
72.5°	366.9	370.7	359.1	347.4	359.1
75°	302.0	298.1	291.7	281.3	293.0
77.5°	239.8	233.3	225.6	220.4	226.9
80°	175.0	171.1	162.0	162.0	165.9
82.5°	119.3	115.4	108.9	110.2	105.0
85°	66.1	62.2	63.5	63.5	57.0
87.5°	27.2	27.2	27.2	24.6	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)