

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: P565784

Luminaire Tested: **2SNX-44HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-44HL-UNV-L940-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

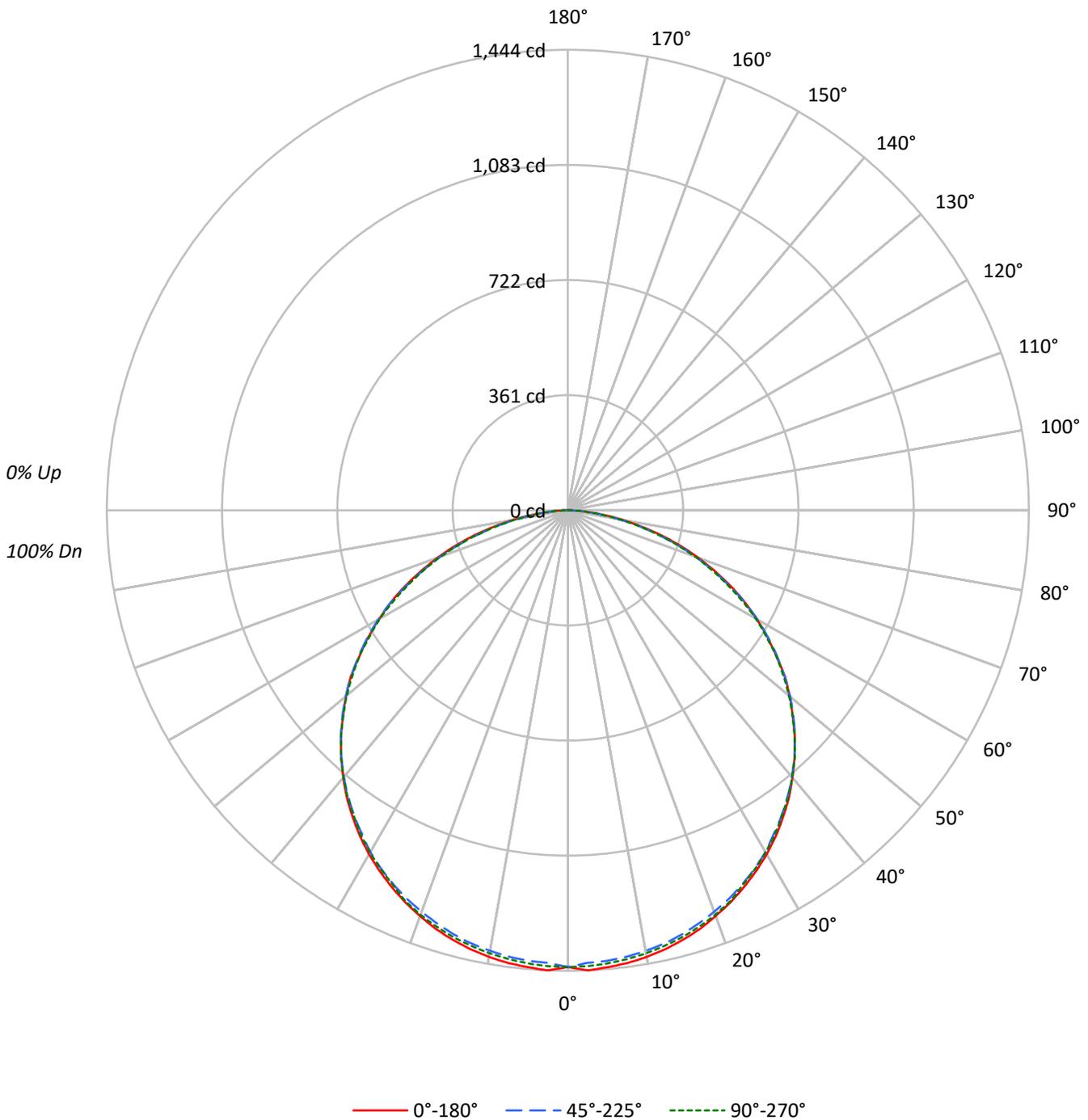
Lumens per Lamp: N/A
Luminaire Lumens: 4286.0 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 31.1
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°	30824	30824	30824
5°	31073	30641	30825
10°	31087	30663	30836
15°	31073	30696	30872
20°	31010	30692	30914
25°	30974	30730	30787
30°	30953	30757	30787
35°	30877	30685	30733
40°	30753	30685	30702
45°	30585	30640	30585
50°	30380	30440	30276
55°	29906	30064	29906
60°	29403	29532	29274
65°	28674	28332	28027
70°	27305	26694	26619
75°	25203	23988	24088
80°	21559	20208	20580
85°	16006	15709	14672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.9	3.2
10°-20°	391.5	9.1
20°-30°	599.4	14.0
30°-40°	733.2	17.1
40°-50°	775.5	18.1
50°-60°	714.5	16.7
60°-70°	549.9	12.8
70°-80°	309.0	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°	1126.8	26.3
0°-40°	1860.0	43.4
0°-60°	3350.0	78.2
0°-90°	4286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1432	1432	1432	1432	1432	
5°	1438	1434	1418	1431	1426	137
15°	1394	1391	1377	1389	1385	394
25°	1304	1303	1294	1303	1296	601
35°	1175	1173	1168	1173	1169	735
45°	1005	1008	1006	1004	1005	775
55°	797	804	801	799	797	714
65°	563	564	556	548	550	555
75°	303	298	288	284	290	319
85°	65	64	64	62	59	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1431.8	1431.8	1431.8	1431.8	1431.8
2.5°	1443.9	1436.0	1420.3	1434.2	1430.6
5°	1437.9	1433.6	1417.9	1430.6	1426.4
7.5°	1431.8	1427.0	1411.8	1425.7	1419.7
10°	1422.1	1417.9	1402.7	1416.1	1410.6
12.5°	1409.4	1405.8	1391.8	1404.5	1399.1
15°	1394.2	1390.6	1377.3	1389.4	1385.2
17.5°	1376.1	1371.8	1359.1	1371.8	1368.8
20°	1353.6	1351.2	1339.7	1351.2	1349.4
22.5°	1330.6	1327.6	1318.5	1327.0	1327.6
25°	1304.0	1302.7	1293.7	1302.7	1296.1
27.5°	1276.1	1276.1	1267.0	1273.1	1268.8
30°	1245.2	1244.6	1237.3	1240.3	1238.5
32.5°	1211.9	1211.2	1201.6	1209.4	1206.4
35°	1174.9	1173.1	1167.6	1173.1	1169.4
37.5°	1136.7	1134.9	1130.7	1133.7	1133.1
40°	1094.3	1094.3	1091.9	1094.3	1092.5
42.5°	1050.7	1052.5	1049.5	1051.9	1051.9
45°	1004.6	1007.7	1006.4	1004.0	1004.6
47.5°	955.5	961.0	958.0	957.4	954.3
50°	907.1	911.9	908.9	905.9	904.0
52.5°	856.8	859.2	855.6	854.4	850.1
55°	796.8	804.1	801.0	798.6	796.8
57.5°	741.7	747.1	744.7	739.8	736.8
60°	682.9	687.1	685.9	680.5	679.9
62.5°	625.3	626.5	625.3	615.6	616.2
65°	562.9	564.1	556.2	548.4	550.2
67.5°	497.5	501.1	490.2	478.7	486.6
70°	433.8	432.6	424.1	411.4	422.9
72.5°	368.4	367.2	357.5	348.4	356.3
75°	303.0	298.1	288.4	284.2	289.6
77.5°	235.1	229.6	225.4	222.4	224.8
80°	173.9	166.6	163.0	160.6	166.0
82.5°	115.7	110.3	108.5	110.3	109.1
85°	64.8	63.6	63.6	61.8	59.4
87.5°	26.7	27.9	28.5	27.9	26.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)