

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: P565785

Luminaire Tested: **2SNX-44HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565785
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-L950-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

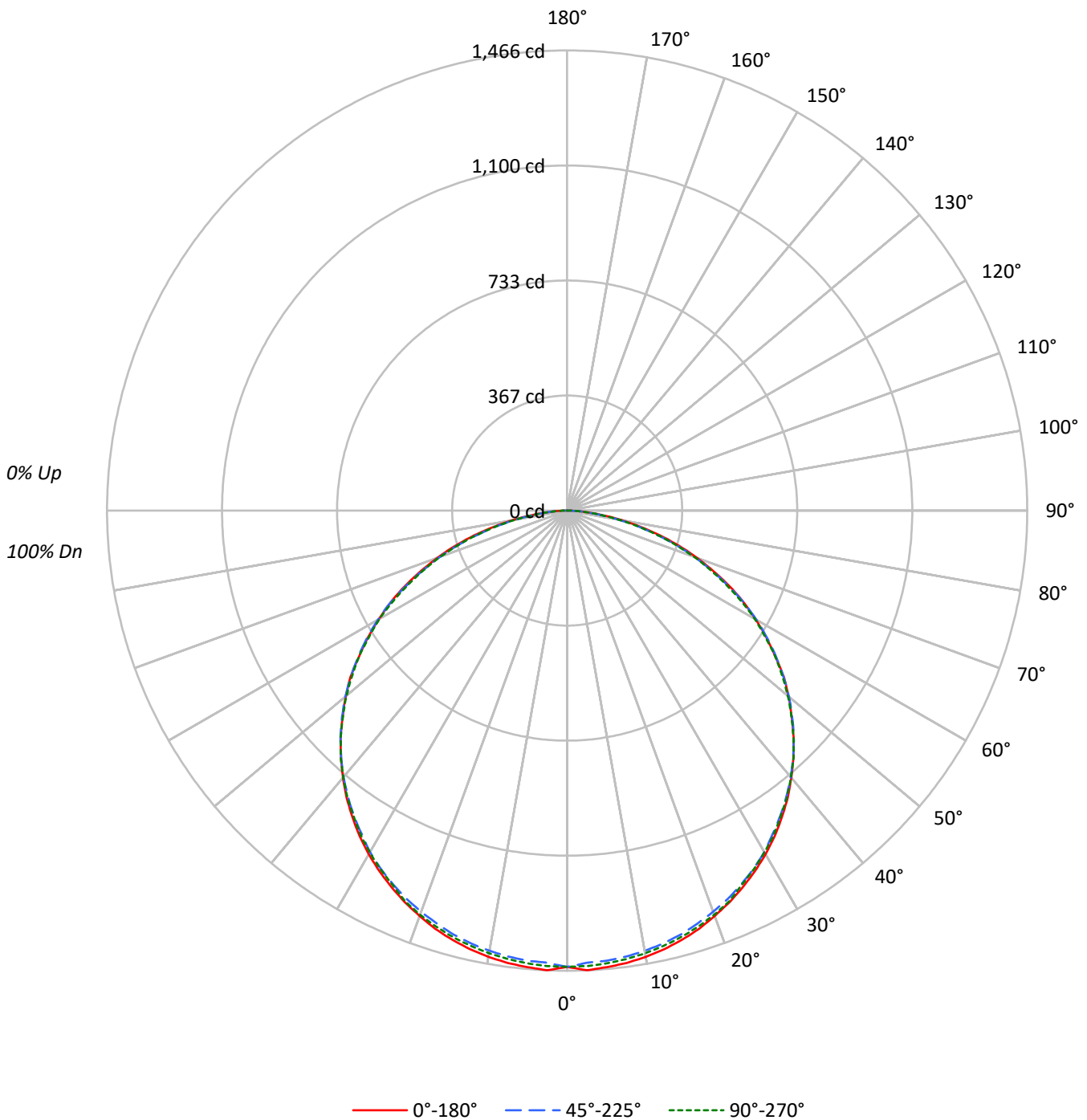
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4351.0 lumens
Efficiency: N/A
Efficacy: 139.9 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

TEST NUMBER: P565785
CATALOG NUMBER: 2SNX-44HL-UNV-L950-CD

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°	31291	31291	31291
5°	31544	31106	31291
10°	31559	31129	31303
15°	31545	31162	31340
20°	31482	31157	31384
25°	31442	31195	31252
30°	31423	31224	31254
35°	31345	31150	31200
40°	31219	31149	31169
45°	31051	31106	31051
50°	30839	30902	30738
55°	30360	30522	30360
60°	29846	29980	29717
65°	29107	28765	28450
70°	27720	27103	27028
75°	25585	24354	24454
80°	21881	20518	20890
85°	16253	15956	14894



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.9	3.2
10°-20°	397.5	9.1
20°-30°	608.5	14.0
30°-40°	744.3	17.1
40°-50°	787.3	18.1
50°-60°	725.4	16.7
60°-70°	558.3	12.8
70°-80°	313.7	7.2
80°-90°	78.3	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°	1143.9	26.3
0°-40°	1888.2	43.4
0°-60°	3400.8	78.2
0°-90°	4351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4351.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1454	1454	1454	1454	1454	
5°	1460	1455	1439	1452	1448	139
15°	1415	1412	1398	1410	1406	400
25°	1324	1322	1313	1322	1316	611
35°	1193	1191	1185	1191	1187	746
45°	1020	1023	1022	1019	1020	786
55°	809	816	813	811	809	724
65°	571	573	565	557	558	564
75°	308	303	293	288	294	324
85°	66	65	65	63	60	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1453.5	1453.5	1453.5	1453.5	1453.5
2.5°	1465.8	1457.8	1441.8	1456.0	1452.3
5°	1459.7	1455.4	1439.4	1452.3	1448.0
7.5°	1453.5	1448.6	1433.2	1447.4	1441.2
10°	1443.7	1439.4	1424.0	1437.5	1432.0
12.5°	1430.8	1427.1	1412.9	1425.8	1420.3
15°	1415.4	1411.7	1398.2	1410.5	1406.2
17.5°	1396.9	1392.6	1379.7	1392.6	1389.5
20°	1374.2	1371.7	1360.0	1371.7	1369.9
22.5°	1350.8	1347.7	1338.5	1347.1	1347.7
25°	1323.7	1322.5	1313.3	1322.5	1315.7
27.5°	1295.4	1295.4	1286.2	1292.4	1288.1
30°	1264.1	1263.4	1256.1	1259.1	1257.3
32.5°	1230.2	1229.6	1219.8	1227.8	1224.7
35°	1192.7	1190.9	1185.3	1190.9	1187.2
37.5°	1154.0	1152.1	1147.8	1150.9	1150.3
40°	1110.9	1110.9	1108.4	1110.9	1109.1
42.5°	1066.6	1068.5	1065.4	1067.8	1067.8
45°	1019.9	1022.9	1021.7	1019.2	1019.9
47.5°	970.0	975.6	972.5	971.9	968.8
50°	920.8	925.8	922.7	919.6	917.8
52.5°	869.8	872.2	868.5	867.3	863.0
55°	808.9	816.3	813.2	810.7	808.9
57.5°	752.9	758.4	756.0	751.1	748.0
60°	693.2	697.5	696.3	690.8	690.2
62.5°	634.8	636.0	634.8	625.0	625.6
65°	571.4	572.7	564.7	556.7	558.5
67.5°	505.0	508.7	497.6	485.9	493.9
70°	440.4	439.2	430.6	417.7	429.4
72.5°	374.0	372.8	362.9	353.7	361.7
75°	307.6	302.6	292.8	288.5	294.0
77.5°	238.7	233.1	228.8	225.7	228.2
80°	176.5	169.2	165.5	163.0	168.5
82.5°	117.5	112.0	110.1	112.0	110.7
85°	65.8	64.6	64.6	62.7	60.3
87.5°	27.1	28.3	28.9	28.3	27.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)