

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: P565697

Luminaire Tested: **2SNX-40HL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-40HL-FDL-UNV-L950-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

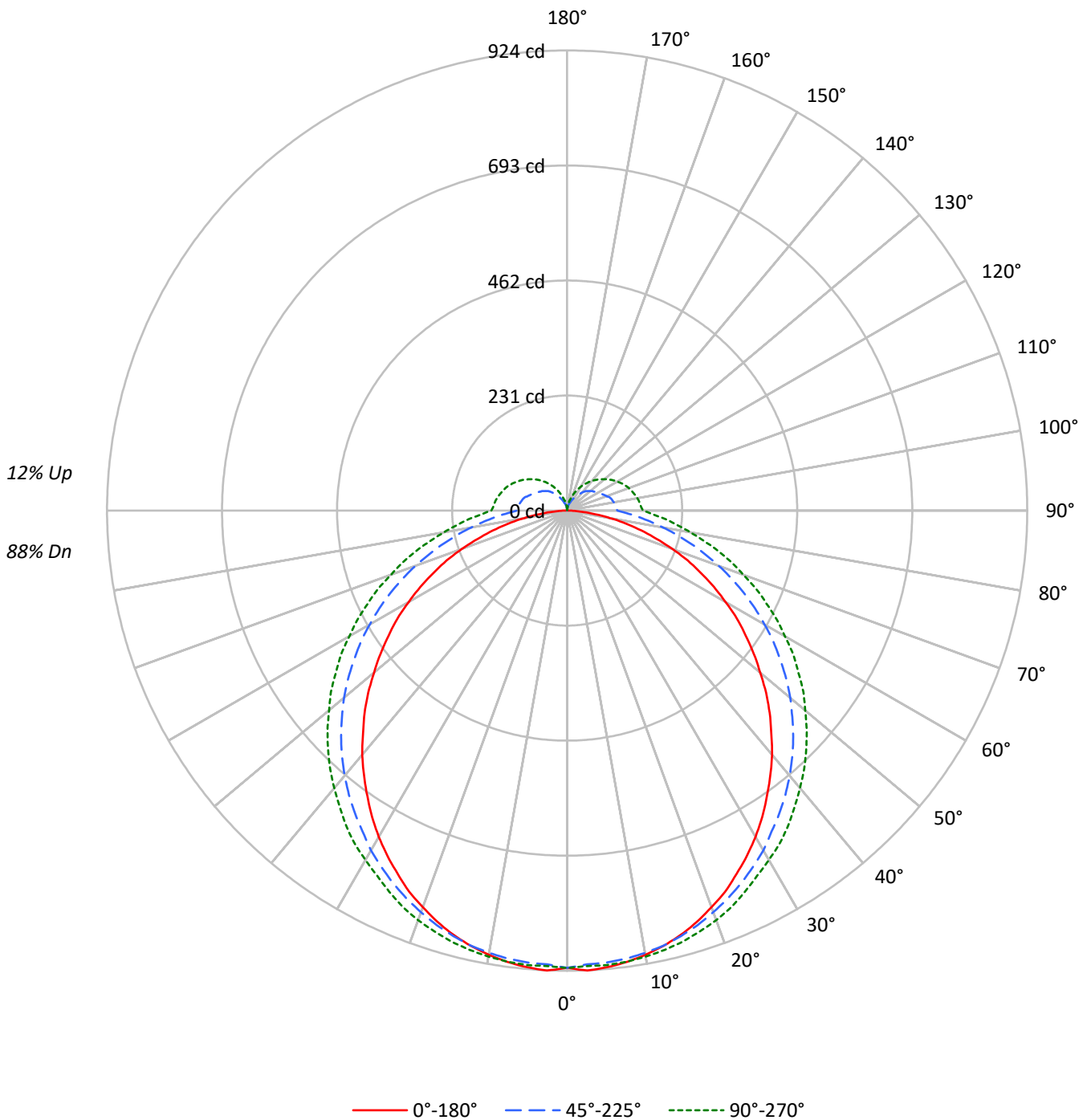
Lumens per Lamp: N/A
Luminaire Lumens: 3306.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: Semi-Direct

Input Watts (W): 27.55
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

TEST NUMBER: P565697

CATALOG NUMBER: 2SNX-40HL-FDL-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	0	
RCR																						
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88				
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71				
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58				
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48				
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41				
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35				
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31				
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27				
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24				
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21				
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19769	19769	19769
5°	19856	19459	19510
10°	19728	19265	19308
15°	19548	19032	19120
20°	19270	18758	18906
25°	18940	18478	18618
30°	18579	18198	18370
35°	18124	17863	18199
40°	17685	17581	17936
45°	17155	17258	17714
50°	16539	16913	17433
55°	15950	16489	17180
60°	15268	16037	16872
65°	14438	15516	16572
70°	13384	14939	16229
75°	11885	14301	16112
80°	9790	13863	15984
85°	6783	14012	16844



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	2.6
10°-20°	250.8	7.6
20°-30°	381.5	11.5
30°-40°	463.9	14.0
40°-50°	490.7	14.8
50°-60°	460.0	13.9
60°-70°	378.4	11.4
70°-80°	261.8	7.9
80°-90°	145.6	4.4
90°-100°	95.9	2.9
100°-110°	86.0	2.6
110°-120°	71.2	2.2
120°-130°	55.0	1.7
130°-140°	39.0	1.2
140°-150°	23.5	0.7
150°-160°	11.3	0.3
160°-170°	3.7	0.1
170°-180°	0.5	0.0
0°-30°	719.4	21.8
0°-40°	1183.3	35.8
0°-60°	2134.1	64.6
0°-90°	2919.9	88.3
90°-120°	253.2	7.7
90°-150°	370.6	11.2
90°-180°	386.0	11.7
0°-180°	3306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	918	918	918	918	918	
5°	920	919	911	918	916	87
15°	882	885	884	896	896	249
25°	805	816	826	844	845	371
35°	700	718	743	767	773	438
45°	575	605	642	671	679	443
55°	438	477	522	555	567	392
65°	296	339	391	430	442	294
75°	154	199	257	298	314	163
85°	34	84	143	182	198	39
90°	1	48	101	139	152	2
95°	1	45	98	134	147	0
105°	1	39	92	126	138	1
115°	1	34	78	112	125	1
125°	1	29	66	96	108	1
135°	1	23	56	79	88	1
145°	1	16	38	59	67	1
155°	2	11	24	38	44	1
165°	2	7	13	18	23	0
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



TEST NUMBER: P565697

CATALOG NUMBER: 2SNX-40HL-FDL-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	918.3	918.3	918.3	918.3	918.3
2.5°	924.5	921.7	912.1	918.3	915.4
5°	920.5	918.8	910.9	918.3	916.0
7.5°	914.3	913.7	907.5	916.0	913.7
10°	905.8	907.0	901.9	910.9	909.2
12.5°	895.1	896.8	894.5	904.7	903.6
15°	882.0	884.9	884.3	896.2	896.2
17.5°	866.2	870.2	872.4	886.0	886.0
20°	847.5	853.7	858.3	873.0	875.3
22.5°	828.8	836.2	843.0	858.3	861.7
25°	805.1	816.4	826.0	844.1	844.7
27.5°	781.8	794.3	807.3	824.9	826.6
30°	756.4	772.2	788.1	805.1	810.1
32.5°	729.2	746.7	764.3	786.9	793.7
35°	699.7	718.4	742.8	766.6	773.3
37.5°	670.3	691.3	719.6	743.9	750.1
40°	640.3	663.5	695.2	720.1	727.5
42.5°	606.9	635.2	669.2	695.8	704.3
45°	575.2	605.2	642.0	670.9	678.8
47.5°	541.8	573.5	613.1	643.7	652.8
50°	506.1	542.4	584.8	615.4	623.9
52.5°	472.7	509.5	554.3	586.0	597.8
55°	437.6	476.7	522.5	555.4	566.7
57.5°	404.8	442.2	491.4	524.2	538.4
60°	367.4	408.8	458.0	493.7	505.0
62.5°	332.3	374.2	425.2	462.0	475.0
65°	296.1	338.6	391.2	429.7	441.6
67.5°	262.1	304.0	357.8	395.7	411.0
70°	224.8	268.9	323.8	362.9	375.9
72.5°	188.0	233.8	289.9	331.8	346.5
75°	154.0	198.7	257.0	297.8	314.2
77.5°	121.2	166.4	225.3	267.2	281.4
80°	88.3	135.9	195.9	237.2	250.8
82.5°	58.3	108.1	167.6	208.9	223.6
85°	34.0	84.4	142.7	182.3	198.1
87.5°	14.7	64.0	119.5	158.5	171.5
90°	0.6	47.6	100.8	138.7	152.3
92.5°	0.6	46.4	98.5	135.9	148.9
95°	0.6	45.3	97.9	134.2	147.2
97.5°	0.6	44.7	96.8	133.0	145.5
100°	0.6	43.0	95.1	130.8	143.2
102.5°	0.6	40.8	93.4	128.5	140.4
105°	0.6	39.1	91.7	126.2	137.6
107.5°	0.6	37.4	88.9	123.4	134.7
110°	0.6	35.7	84.4	120.6	131.9



TEST NUMBER: P565697

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	35.1	81.0	116.6	128.5
115°	1.1	34.0	77.6	112.1	124.6
117.5°	1.1	33.4	74.7	107.6	120.6
120°	1.1	31.7	71.9	103.6	116.1
122.5°	1.1	30.0	69.1	99.6	112.1
125°	1.1	28.9	66.2	95.7	107.6
127.5°	1.1	27.2	64.0	91.7	102.5
130°	1.1	26.0	61.1	87.2	97.9
132.5°	1.1	24.3	58.3	82.7	92.8
135°	1.1	22.6	55.5	78.7	88.3
137.5°	1.1	20.4	52.1	74.2	83.2
140°	1.1	18.7	47.6	69.6	78.1
142.5°	1.1	17.6	43.0	64.5	72.5
145°	1.1	16.4	38.5	59.4	66.8
147.5°	1.1	15.3	34.5	54.3	61.1
150°	1.1	13.6	30.6	49.8	55.5
152.5°	1.7	12.5	27.2	44.2	49.8
155°	1.7	11.3	23.8	37.9	44.2
157.5°	1.7	10.2	20.4	31.7	38.5
160°	1.7	9.1	17.6	26.0	32.8
162.5°	1.7	8.5	15.3	21.5	27.7
165°	1.7	7.4	13.0	17.6	22.6
167.5°	1.7	5.7	10.8	13.6	18.7
170°	1.7	4.5	8.5	9.6	14.2
172.5°	1.7	3.4	6.2	6.8	7.4
175°	1.7	2.8	4.0	4.0	2.3
177.5°	1.7	2.3	2.3	2.3	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)