

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: P565729

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565729
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-SLW-UNV-L950-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

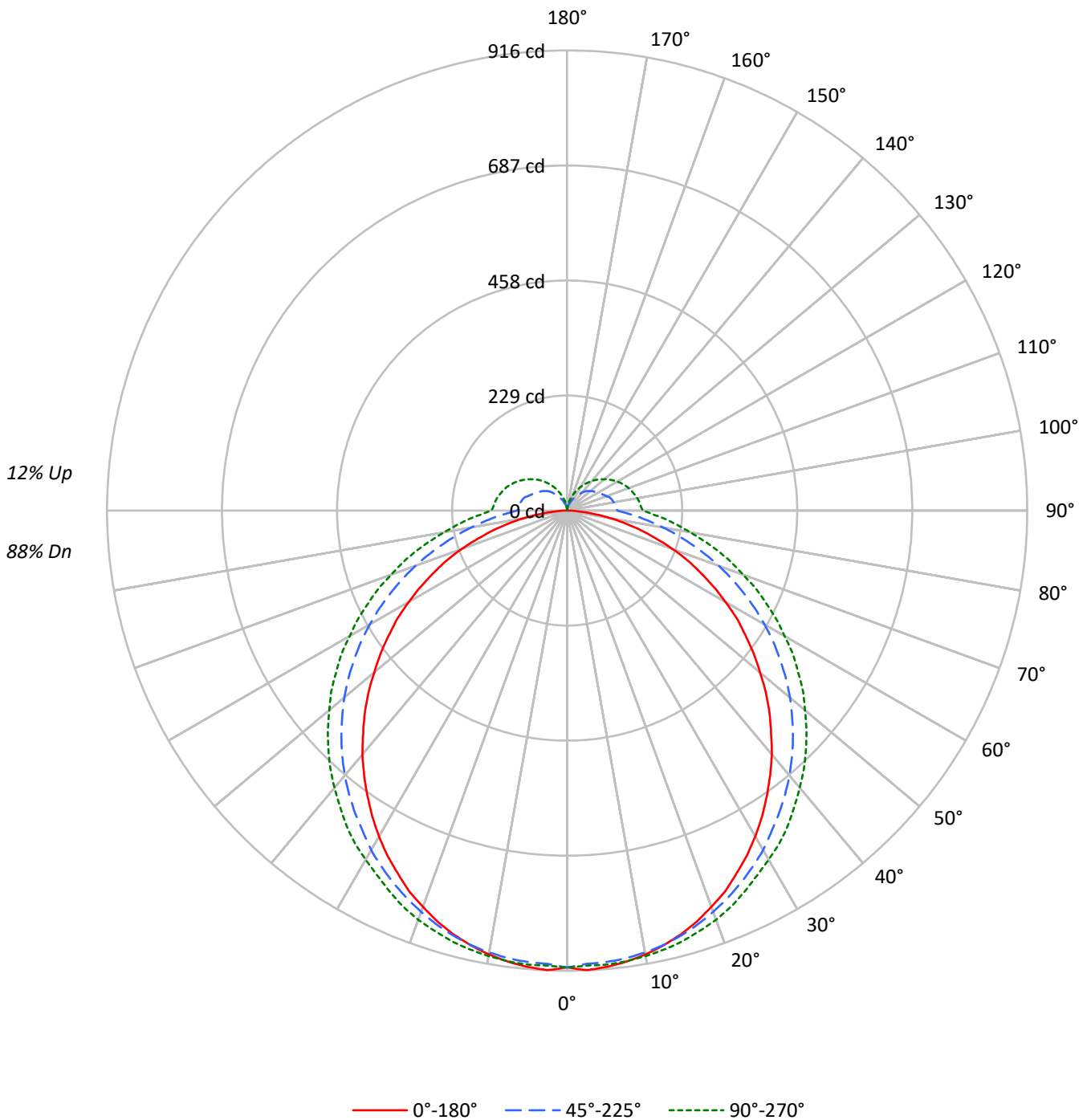
Lumens per Lamp: N/A
Luminaire Lumens: 3274.0 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

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

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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	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°	19577	19577	19577
5°	19628	19054	19049
10°	19468	18654	18594
15°	19254	18229	18164
20°	18942	17765	17717
25°	18579	17300	17206
30°	18183	16833	16736
35°	17698	16315	16332
40°	17220	15839	15834
45°	16650	15313	15364
50°	15995	14754	14825
55°	15356	14104	14288
60°	14617	13400	13671
65°	13715	12598	13012
70°	12577	11698	12255
75°	10983	10661	11561
80°	8781	9629	10682
85°	5629	8685	10107



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	2.6
10°-20°	248.3	7.6
20°-30°	377.8	11.5
30°-40°	459.4	14.0
40°-50°	486.0	14.8
50°-60°	455.6	13.9
60°-70°	374.8	11.4
70°-80°	259.3	7.9
80°-90°	144.2	4.4
90°-100°	95.0	2.9
100°-110°	85.2	2.6
110°-120°	70.5	2.2
120°-130°	54.5	1.7
130°-140°	38.6	1.2
140°-150°	23.3	0.7
150°-160°	11.2	0.3
160°-170°	3.7	0.1
170°-180°	0.4	0.0
0°-30°	712.5	21.8
0°-40°	1171.8	35.8
0°-60°	2113.4	64.6
0°-90°	2891.7	88.3
90°-120°	250.7	7.7
90°-150°	367.1	11.2
90°-180°	382.0	11.7
0°-180°	3274.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	912	910	902	909	907	87
15°	874	876	876	888	888	246
25°	797	808	818	836	836	367
35°	693	712	736	759	766	434
45°	570	599	636	664	672	439
55°	433	472	518	550	561	388
65°	293	335	387	426	437	291
75°	152	197	254	295	311	162
85°	34	84	141	180	196	39
90°	1	47	100	137	151	2
95°	1	45	97	133	146	0
105°	1	39	91	125	136	1
115°	1	34	77	111	123	1
125°	1	29	66	95	106	1
135°	1	22	55	78	88	1
145°	1	16	38	59	66	1
155°	2	11	24	38	44	1
165°	2	7	13	17	22	0
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	909.4	909.4	909.4	909.4	909.4
2.5°	915.6	912.8	903.2	909.4	906.6
5°	911.6	910.0	902.1	909.4	907.1
7.5°	905.5	904.9	898.7	907.1	904.9
10°	897.1	898.2	893.1	902.1	900.4
12.5°	886.4	888.1	885.8	895.9	894.8
15°	873.5	876.3	875.8	887.5	887.5
17.5°	857.8	861.7	864.0	877.4	877.4
20°	839.3	845.5	850.0	864.5	866.8
22.5°	820.8	828.1	834.8	850.0	853.3
25°	797.3	808.5	818.0	835.9	836.5
27.5°	774.3	786.6	799.5	816.9	818.6
30°	749.0	764.7	780.4	797.3	802.3
32.5°	722.1	739.5	756.9	779.3	786.0
35°	693.0	711.5	735.6	759.1	765.9
37.5°	663.8	684.6	712.6	736.7	742.9
40°	634.1	657.1	688.5	713.2	720.4
42.5°	601.0	629.1	662.7	689.1	697.5
45°	569.6	599.3	635.8	664.4	672.2
47.5°	536.6	567.9	607.2	637.5	646.4
50°	501.2	537.1	579.2	609.4	617.8
52.5°	468.2	504.6	548.9	580.3	592.1
55°	433.4	472.1	517.5	550.0	561.2
57.5°	400.9	437.9	486.7	519.2	533.2
60°	363.9	404.8	453.6	488.9	500.1
62.5°	329.1	370.6	421.1	457.5	470.4
65°	293.2	335.3	387.4	425.5	437.3
67.5°	259.6	301.1	354.3	391.9	407.0
70°	222.6	266.3	320.7	359.4	372.3
72.5°	186.1	231.6	287.1	328.5	343.1
75°	152.5	196.8	254.5	294.9	311.2
77.5°	120.0	164.8	223.1	264.6	278.6
80°	87.5	134.6	194.0	234.9	248.4
82.5°	57.7	107.1	166.0	206.9	221.5
85°	33.6	83.5	141.3	180.5	196.2
87.5°	14.6	63.4	118.3	157.0	169.9
90°	0.6	47.1	99.8	137.4	150.8
92.5°	0.6	46.0	97.6	134.6	147.5
95°	0.6	44.9	97.0	132.9	145.8
97.5°	0.6	44.3	95.9	131.8	144.1
100°	0.6	42.6	94.2	129.5	141.8
102.5°	0.6	40.4	92.5	127.3	139.0
105°	0.6	38.7	90.8	125.0	136.2
107.5°	0.6	37.0	88.0	122.2	133.4
110°	0.6	35.3	83.5	119.4	130.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	34.8	80.2	115.5	127.3
115°	1.1	33.6	76.8	111.0	123.3
117.5°	1.1	33.1	74.0	106.5	119.4
120°	1.1	31.4	71.2	102.6	114.9
122.5°	1.1	29.7	68.4	98.7	111.0
125°	1.1	28.6	65.6	94.8	106.5
127.5°	1.1	26.9	63.4	90.8	101.5
130°	1.1	25.8	60.6	86.3	97.0
132.5°	1.1	24.1	57.7	81.9	91.9
135°	1.1	22.4	54.9	77.9	87.5
137.5°	1.1	20.2	51.6	73.4	82.4
140°	1.1	18.5	47.1	69.0	77.4
142.5°	1.1	17.4	42.6	63.9	71.8
145°	1.1	16.3	38.1	58.9	66.2
147.5°	1.1	15.1	34.2	53.8	60.6
150°	1.1	13.5	30.3	49.3	54.9
152.5°	1.7	12.3	26.9	43.7	49.3
155°	1.7	11.2	23.5	37.6	43.7
157.5°	1.7	10.1	20.2	31.4	38.1
160°	1.7	9.0	17.4	25.8	32.5
162.5°	1.7	8.4	15.1	21.3	27.5
165°	1.7	7.3	12.9	17.4	22.4
167.5°	1.7	5.6	10.7	13.5	18.5
170°	1.7	4.5	8.4	9.5	14.0
172.5°	1.7	3.4	6.2	6.7	7.3
175°	1.7	2.8	3.9	3.9	2.2
177.5°	1.7	2.2	2.2	2.2	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)