

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: P565723

Luminaire Tested: **2SNX-40HL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565723
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-L835-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

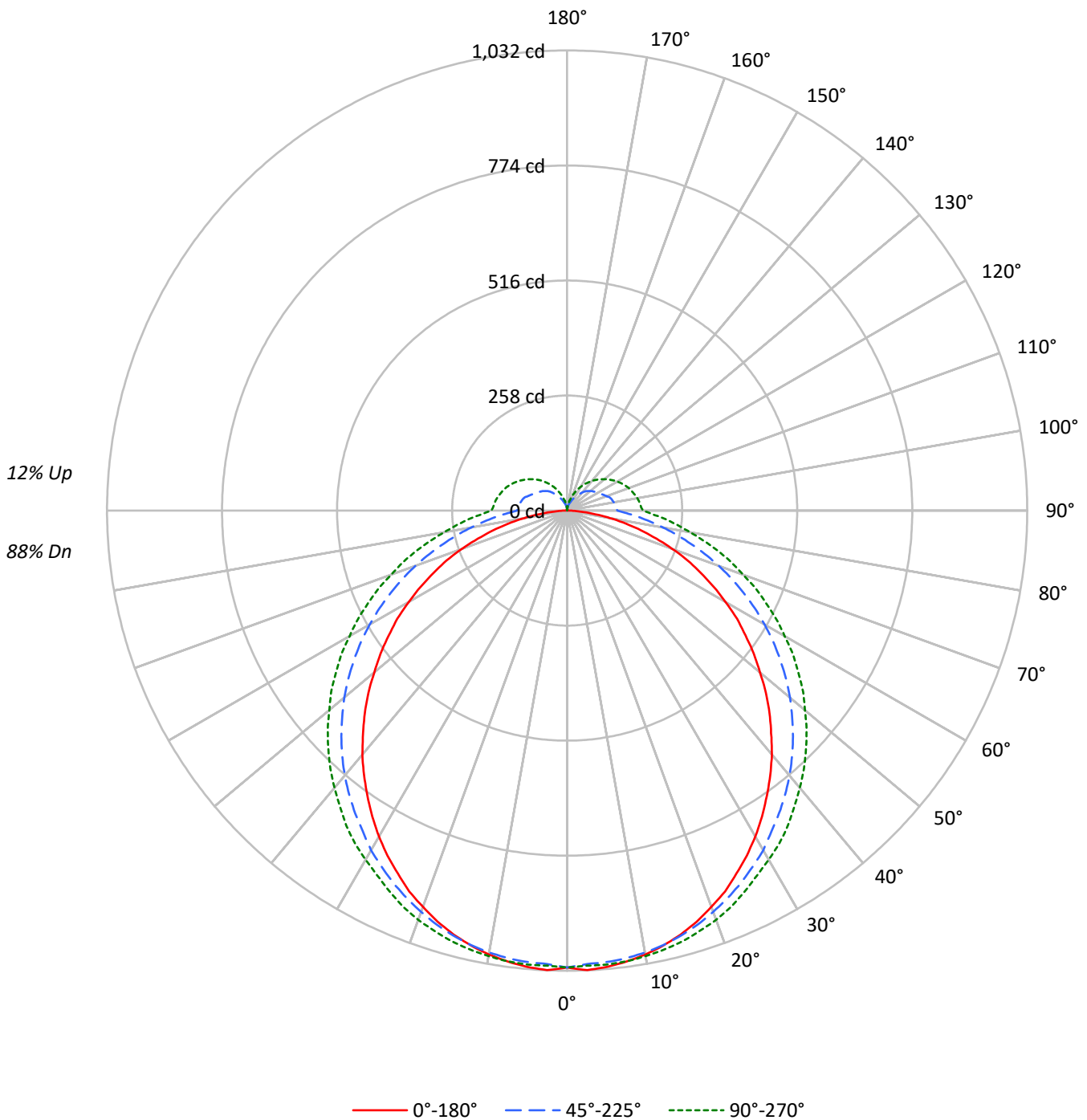
Lumens per Lamp: N/A
Luminaire Lumens: 3689.0 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 27.55
Input Voltage (V): NR
Input Current (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	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°	22060	22060	22060
5°	22118	21468	21464
10°	21936	21019	20953
15°	21694	20540	20467
20°	21343	20016	19963
25°	20933	19493	19386
30°	20489	18968	18857
35°	19940	18382	18400
40°	19404	17847	17843
45°	18761	17254	17312
50°	18024	16624	16707
55°	17302	15891	16101
60°	16469	15099	15404
65°	15455	14195	14660
70°	14170	13179	13809
75°	12373	12014	13024
80°	9885	10850	12037
85°	6350	9785	11390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	2.6
10°-20°	279.8	7.6
20°-30°	425.7	11.5
30°-40°	517.6	14.0
40°-50°	547.6	14.8
50°-60°	513.3	13.9
60°-70°	422.3	11.4
70°-80°	292.2	7.9
80°-90°	162.5	4.4
90°-100°	107.0	2.9
100°-110°	96.0	2.6
110°-120°	79.4	2.2
120°-130°	61.4	1.7
130°-140°	43.5	1.2
140°-150°	26.2	0.7
150°-160°	12.6	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	802.8	21.8
0°-40°	1320.4	35.8
0°-60°	2381.3	64.6
0°-90°	3258.2	88.3
90°-120°	282.4	7.7
90°-150°	413.6	11.2
90°-180°	431.0	11.7
0°-180°	3689.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1025	1025	1025	1025	1025	
5°	1027	1025	1016	1025	1022	98
15°	984	987	987	1000	1000	277
25°	898	911	922	942	942	414
35°	781	802	829	855	863	489
45°	642	675	716	749	757	495
55°	488	532	583	620	632	437
65°	330	378	436	480	493	328
75°	172	222	287	332	351	182
85°	38	94	159	203	221	44
90°	1	53	112	155	170	2
95°	1	50	109	150	164	0
105°	1	44	102	141	154	1
115°	1	38	86	125	139	1
125°	1	32	74	107	120	1
135°	1	25	62	88	98	1
145°	1	18	43	66	74	1
155°	2	13	26	42	49	1
165°	2	8	14	20	25	1
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°	1024.7	1024.7	1024.7	1024.7	1024.7
2.5°	1031.6	1028.5	1017.7	1024.7	1021.5
5°	1027.2	1025.3	1016.4	1024.7	1022.1
7.5°	1020.2	1019.6	1012.7	1022.1	1019.6
10°	1010.8	1012.0	1006.3	1016.4	1014.6
12.5°	998.8	1000.7	998.1	1009.5	1008.2
15°	984.2	987.4	986.8	1000.0	1000.0
17.5°	966.5	971.0	973.5	988.7	988.7
20°	945.7	952.6	957.7	974.1	976.7
22.5°	924.8	933.1	940.6	957.7	961.5
25°	898.3	911.0	921.7	941.9	942.5
27.5°	872.4	886.3	900.8	920.4	922.3
30°	844.0	861.7	879.4	898.3	904.0
32.5°	813.7	833.2	852.8	878.1	885.7
35°	780.8	801.7	828.8	855.4	862.9
37.5°	748.0	771.3	802.9	830.1	837.0
40°	714.5	740.4	775.8	803.6	811.8
42.5°	677.2	708.8	746.7	776.4	785.9
45°	641.8	675.3	716.4	748.6	757.4
47.5°	604.6	639.9	684.2	718.3	728.4
50°	564.8	605.2	652.6	686.7	696.2
52.5°	527.5	568.6	618.5	653.8	667.1
55°	488.3	531.9	583.1	619.7	632.4
57.5°	451.7	493.4	548.3	585.0	600.8
60°	410.0	456.1	511.1	550.9	563.5
62.5°	370.8	417.6	474.4	515.5	530.0
65°	330.4	377.8	436.5	479.5	492.7
67.5°	292.5	339.2	399.3	441.6	458.6
70°	250.8	300.1	361.3	404.9	419.5
72.5°	209.7	260.9	323.4	370.2	386.6
75°	171.8	221.7	286.8	332.3	350.6
77.5°	135.2	185.7	251.4	298.2	314.0
80°	98.5	151.6	218.6	264.7	279.9
82.5°	65.1	120.7	187.0	233.1	249.5
85°	37.9	94.1	159.2	203.4	221.1
87.5°	16.4	71.4	133.3	176.9	191.4
90°	0.6	53.1	112.4	154.8	169.9
92.5°	0.6	51.8	109.9	151.6	166.1
95°	0.6	50.5	109.3	149.7	164.2
97.5°	0.6	49.9	108.0	148.5	162.4
100°	0.6	48.0	106.1	145.9	159.8
102.5°	0.6	45.5	104.2	143.4	156.7
105°	0.6	43.6	102.3	140.9	153.5
107.5°	0.6	41.7	99.2	137.7	150.4
110°	0.6	39.8	94.1	134.6	147.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	39.2	90.3	130.1	143.4
115°	1.3	37.9	86.5	125.1	139.0
117.5°	1.3	37.3	83.4	120.0	134.6
120°	1.3	35.4	80.2	115.6	129.5
122.5°	1.3	33.5	77.1	111.2	125.1
125°	1.3	32.2	73.9	106.8	120.0
127.5°	1.3	30.3	71.4	102.3	114.3
130°	1.3	29.1	68.2	97.3	109.3
132.5°	1.3	27.2	65.1	92.2	103.6
135°	1.3	25.3	61.9	87.8	98.5
137.5°	1.3	22.7	58.1	82.8	92.9
140°	1.3	20.8	53.1	77.7	87.2
142.5°	1.3	19.6	48.0	72.0	80.9
145°	1.3	18.3	43.0	66.3	74.5
147.5°	1.3	17.1	38.5	60.6	68.2
150°	1.3	15.2	34.1	55.6	61.9
152.5°	1.9	13.9	30.3	49.3	55.6
155°	1.9	12.6	26.5	42.3	49.3
157.5°	1.9	11.4	22.7	35.4	43.0
160°	1.9	10.1	19.6	29.1	36.6
162.5°	1.9	9.5	17.1	24.0	31.0
165°	1.9	8.2	14.5	19.6	25.3
167.5°	1.9	6.3	12.0	15.2	20.8
170°	1.9	5.1	9.5	10.7	15.8
172.5°	1.9	3.8	6.9	7.6	8.2
175°	1.9	3.2	4.4	4.4	2.5
177.5°	1.9	2.5	2.5	2.5	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)