

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: P567764

Luminaire Tested: **8SNX-40SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-40SL-SLW-UNV-L840-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

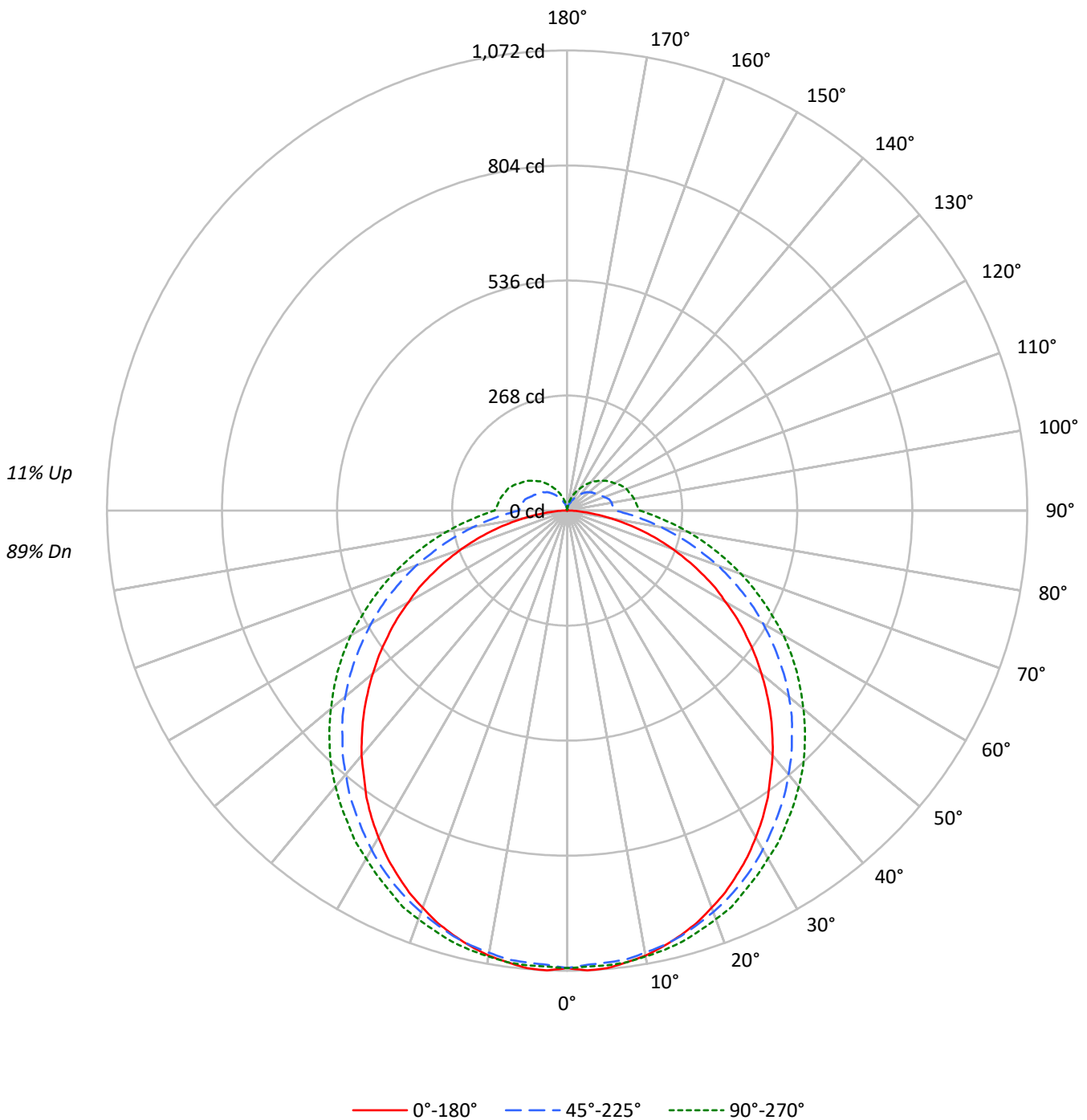
Lumens per Lamp: N/A
Luminaire Lumens: 3794.0 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 24.2
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	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5736	5736	5736
5°	5776	5592	5583
10°	5742	5482	5446
15°	5690	5369	5318
20°	5617	5239	5176
25°	5532	5112	5028
30°	5430	4972	4882
35°	5317	4827	4744
40°	5188	4684	4612
45°	5049	4538	4470
50°	4889	4384	4311
55°	4714	4198	4154
60°	4508	4000	3979
65°	4298	3776	3759
70°	4001	3531	3544
75°	3607	3217	3306
80°	2959	2898	3072
85°	2186	2629	2829



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	2.7
10°-20°	291.0	7.7
20°-30°	442.4	11.7
30°-40°	537.0	14.2
40°-50°	567.5	15.0
50°-60°	531.0	14.0
60°-70°	435.7	11.5
70°-80°	299.7	7.9
80°-90°	164.1	4.3
90°-100°	105.7	2.8
100°-110°	94.8	2.5
110°-120°	78.5	2.1
120°-130°	60.5	1.6
130°-140°	42.5	1.1
140°-150°	25.6	0.7
150°-160°	12.3	0.3
160°-170°	4.0	0.1
170°-180°	0.5	0.0
0°-30°	834.6	22.0
0°-40°	1371.6	36.2
0°-60°	2470.2	65.1
0°-90°	3369.7	88.8
90°-120°	279.0	7.4
90°-150°	407.5	10.7
90°-180°	424.0	11.2
0°-180°	3794.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1066	1066	1066	1066	1066	
5°	1070	1068	1057	1066	1064	101
15°	1024	1028	1026	1039	1039	289
25°	936	947	958	978	978	431
35°	815	835	859	883	890	509
45°	670	701	740	774	782	517
55°	510	552	602	639	653	456
65°	345	391	450	492	505	342
75°	180	228	294	341	356	190
85°	40	94	160	204	220	46
90°	0	53	112	154	169	3
95°	0	50	108	147	163	0
105°	0	42	101	138	152	1
115°	2	37	86	123	138	2
125°	2	31	72	106	119	2
135°	2	24	59	86	97	2
145°	2	18	42	66	72	1
155°	2	11	26	42	48	1
165°	2	7	13	20	24	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1065.7	1065.7	1065.7	1065.7	1065.7
2.5°	1072.3	1070.1	1059.2	1067.9	1063.5
5°	1070.1	1067.9	1057.0	1065.7	1063.5
7.5°	1061.3	1061.3	1054.8	1063.5	1061.3
10°	1052.6	1052.6	1046.0	1057.0	1054.8
12.5°	1039.4	1041.6	1037.2	1050.4	1048.2
15°	1024.0	1028.4	1026.2	1039.4	1039.4
17.5°	1006.4	1010.8	1010.8	1026.2	1026.2
20°	984.4	991.0	995.4	1013.0	1013.0
22.5°	962.5	971.3	977.8	993.2	999.8
25°	936.1	947.1	958.1	977.8	977.8
27.5°	909.7	922.9	936.1	955.9	958.1
30°	879.0	894.3	911.9	931.7	936.1
32.5°	848.2	868.0	885.6	909.7	916.3
35°	815.2	835.0	859.2	883.4	890.0
37.5°	777.9	802.1	832.8	859.2	865.8
40°	744.9	771.3	802.1	832.8	839.4
42.5°	707.6	736.1	773.5	802.1	813.0
45°	670.2	701.0	740.5	773.5	782.3
47.5°	630.7	665.8	709.8	740.5	751.5
50°	591.1	628.5	674.6	709.8	718.6
52.5°	551.5	591.1	639.4	674.6	685.6
55°	509.8	551.5	602.1	639.4	652.6
57.5°	470.2	512.0	564.7	604.3	617.5
60°	426.3	474.6	527.4	566.9	582.3
62.5°	388.9	432.9	490.0	529.6	542.8
65°	345.0	391.1	450.5	492.2	505.4
67.5°	303.2	351.6	410.9	454.9	468.0
70°	261.5	309.8	373.6	415.3	430.7
72.5°	219.7	270.3	331.8	378.0	393.3
75°	180.2	228.5	294.5	340.6	356.0
77.5°	138.4	191.2	257.1	303.2	320.8
80°	101.1	156.0	221.9	268.1	285.7
82.5°	68.1	123.1	189.0	235.1	252.7
85°	39.6	94.5	160.4	204.4	219.7
87.5°	19.8	72.5	134.0	178.0	193.4
90°	0.0	52.7	112.1	153.8	169.2
92.5°	0.0	50.5	109.9	149.4	164.8
95°	0.0	50.5	107.7	147.2	162.6
97.5°	0.0	48.3	105.5	147.2	160.4
100°	0.0	46.1	105.5	145.0	158.2
102.5°	0.0	43.9	103.3	142.8	156.0
105°	0.0	41.8	101.1	138.4	151.6
107.5°	2.2	41.8	96.7	136.2	149.4
110°	2.2	39.6	92.3	134.0	147.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	37.4	87.9	129.6	142.8
115°	2.2	37.4	85.7	123.1	138.4
117.5°	2.2	35.2	81.3	118.7	134.0
120°	2.2	35.2	79.1	114.3	127.4
122.5°	2.2	33.0	74.7	109.9	123.1
125°	2.2	30.8	72.5	105.5	118.7
127.5°	2.2	28.6	70.3	101.1	114.3
130°	2.2	26.4	65.9	96.7	107.7
132.5°	2.2	26.4	63.7	90.1	103.3
135°	2.2	24.2	59.3	85.7	96.7
137.5°	2.2	22.0	54.9	81.3	92.3
140°	2.2	19.8	50.5	76.9	85.7
142.5°	2.2	19.8	46.1	70.3	79.1
145°	2.2	17.6	41.8	65.9	72.5
147.5°	2.2	15.4	37.4	59.3	65.9
150°	2.2	15.4	33.0	52.7	59.3
152.5°	2.2	13.2	28.6	48.3	54.9
155°	2.2	11.0	26.4	41.8	48.3
157.5°	2.2	11.0	22.0	35.2	41.8
160°	2.2	8.8	19.8	28.6	35.2
162.5°	2.2	8.8	17.6	24.2	30.8
165°	2.2	6.6	13.2	19.8	24.2
167.5°	2.2	6.6	11.0	15.4	19.8
170°	2.2	4.4	8.8	11.0	15.4
172.5°	2.2	4.4	6.6	6.6	6.6
175°	2.2	2.2	4.4	4.4	2.2
177.5°	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)