

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: P567763

Luminaire Tested: **8SNX-40SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567763
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-L835-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

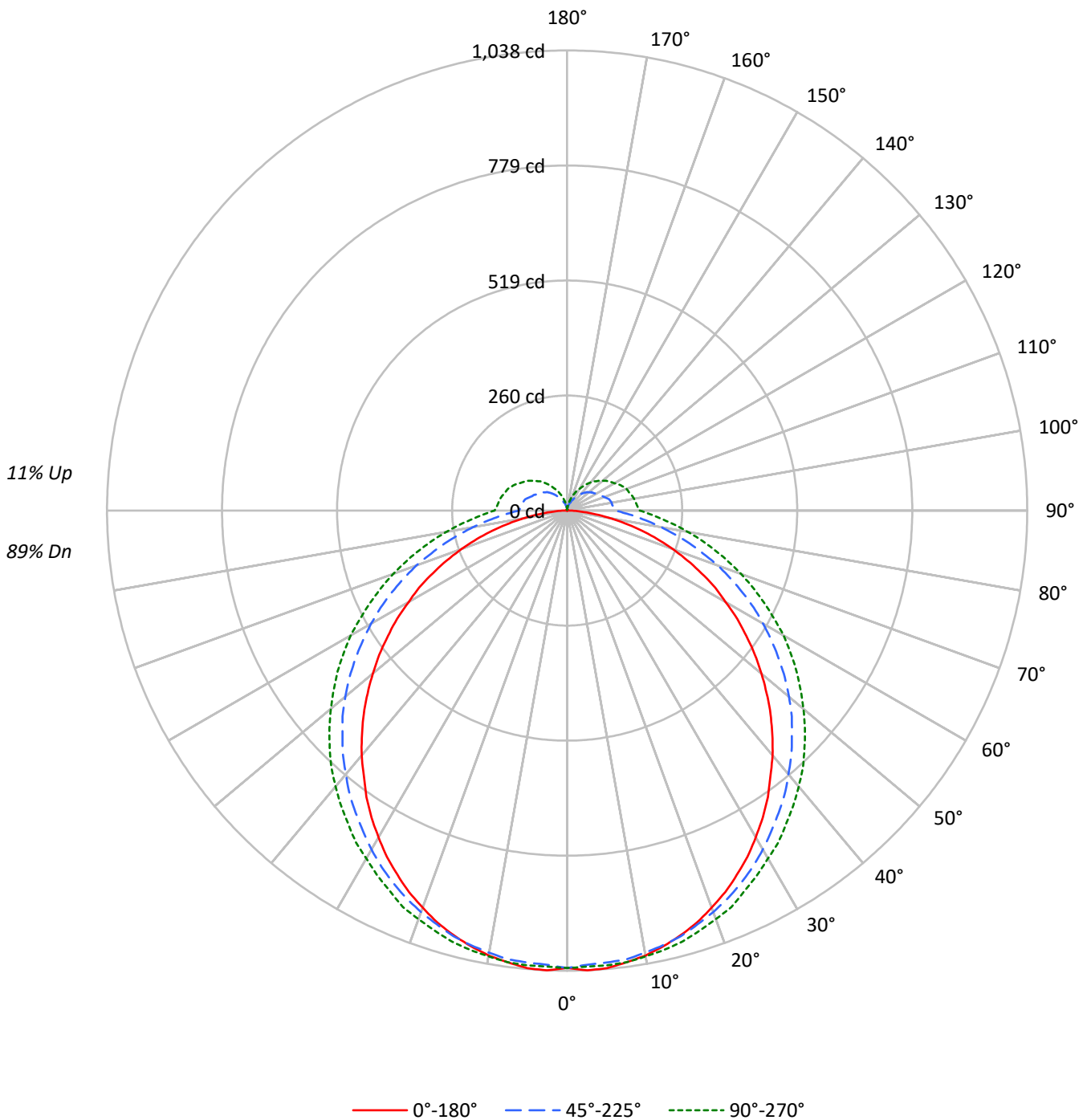
Lumens per Lamp: N/A
Luminaire Lumens: 3673.0 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

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

TEST NUMBER: P567763

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567763

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L835-CD

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	77	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°	5553	5553	5553
5°	5592	5413	5405
10°	5559	5307	5272
15°	5508	5198	5148
20°	5438	5072	5011
25°	5355	4949	4868
30°	5256	4813	4726
35°	5148	4673	4593
40°	5023	4534	4465
45°	4887	4393	4327
50°	4733	4244	4173
55°	4563	4064	4022
60°	4364	3872	3852
65°	4161	3656	3640
70°	3874	3417	3432
75°	3491	3114	3200
80°	2866	2807	2974
85°	2114	2546	2739



TEST NUMBER: P567763

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	2.7
10°-20°	281.7	7.7
20°-30°	428.3	11.7
30°-40°	519.9	14.2
40°-50°	549.4	15.0
50°-60°	514.1	14.0
60°-70°	421.8	11.5
70°-80°	290.1	7.9
80°-90°	158.9	4.3
90°-100°	102.3	2.8
100°-110°	91.8	2.5
110°-120°	76.0	2.1
120°-130°	58.5	1.6
130°-140°	41.1	1.1
140°-150°	24.8	0.7
150°-160°	11.9	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	808.0	22.0
0°-40°	1327.9	36.2
0°-60°	2391.4	65.1
0°-90°	3262.3	88.8
90°-120°	270.1	7.4
90°-150°	394.5	10.7
90°-180°	411.0	11.2
0°-180°	3673.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1032	1032	1032	1032	1032	
5°	1036	1034	1023	1032	1030	98
15°	991	996	994	1006	1006	280
25°	906	917	928	947	947	418
35°	789	808	832	855	862	493
45°	649	679	717	749	757	500
55°	494	534	583	619	632	442
65°	334	379	436	476	489	331
75°	174	221	285	330	345	184
85°	38	92	155	198	213	44
90°	0	51	108	149	164	3
95°	0	49	104	142	157	0
105°	0	40	98	134	147	1
115°	2	36	83	119	134	2
125°	2	30	70	102	115	2
135°	2	23	57	83	94	2
145°	2	17	40	64	70	1
155°	2	11	26	40	47	1
165°	2	6	13	19	23	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567763

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1031.8	1031.8	1031.8	1031.8	1031.8
2.5°	1038.1	1036.0	1025.4	1033.9	1029.6
5°	1036.0	1033.9	1023.2	1031.8	1029.6
7.5°	1027.5	1027.5	1021.1	1029.6	1027.5
10°	1019.0	1019.0	1012.6	1023.2	1021.1
12.5°	1006.2	1008.4	1004.1	1016.9	1014.7
15°	991.3	995.6	993.5	1006.2	1006.2
17.5°	974.3	978.6	978.6	993.5	993.5
20°	953.0	959.4	963.7	980.7	980.7
22.5°	931.8	940.3	946.7	961.6	967.9
25°	906.2	916.9	927.5	946.7	946.7
27.5°	880.7	893.5	906.2	925.4	927.5
30°	850.9	865.8	882.8	902.0	906.2
32.5°	821.1	840.3	857.3	880.7	887.1
35°	789.2	808.4	831.8	855.2	861.6
37.5°	753.1	776.5	806.3	831.8	838.2
40°	721.2	746.7	776.5	806.3	812.6
42.5°	685.0	712.7	748.8	776.5	787.1
45°	648.8	678.6	716.9	748.8	757.3
47.5°	610.5	644.6	687.1	716.9	727.5
50°	572.3	608.4	653.1	687.1	695.6
52.5°	534.0	572.3	619.1	653.1	663.7
55°	493.5	534.0	582.9	619.1	631.8
57.5°	455.2	495.7	546.7	585.0	597.8
60°	412.7	459.5	510.6	548.9	563.7
62.5°	376.5	419.1	474.4	512.7	525.5
65°	334.0	378.7	436.1	476.5	489.3
67.5°	293.6	340.4	397.8	440.4	453.1
70°	253.2	300.0	361.6	402.1	417.0
72.5°	212.7	261.7	321.2	365.9	380.8
75°	174.4	221.2	285.1	329.7	344.6
77.5°	134.0	185.1	248.9	293.6	310.6
80°	97.9	151.0	214.9	259.5	276.6
82.5°	65.9	119.1	183.0	227.6	244.6
85°	38.3	91.5	155.3	197.8	212.7
87.5°	19.1	70.2	129.8	172.3	187.2
90°	0.0	51.1	108.5	148.9	163.8
92.5°	0.0	48.9	106.4	144.7	159.5
95°	0.0	48.9	104.2	142.5	157.4
97.5°	0.0	46.8	102.1	142.5	155.3
100°	0.0	44.7	102.1	140.4	153.2
102.5°	0.0	42.5	100.0	138.3	151.0
105°	0.0	40.4	97.9	134.0	146.8
107.5°	2.1	40.4	93.6	131.9	144.7
110°	2.1	38.3	89.3	129.8	142.5



TEST NUMBER: P567763

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	36.2	85.1	125.5	138.3
115°	2.1	36.2	83.0	119.1	134.0
117.5°	2.1	34.0	78.7	114.9	129.8
120°	2.1	34.0	76.6	110.6	123.4
122.5°	2.1	31.9	72.3	106.4	119.1
125°	2.1	29.8	70.2	102.1	114.9
127.5°	2.1	27.7	68.1	97.9	110.6
130°	2.1	25.5	63.8	93.6	104.2
132.5°	2.1	25.5	61.7	87.2	100.0
135°	2.1	23.4	57.4	83.0	93.6
137.5°	2.1	21.3	53.2	78.7	89.3
140°	2.1	19.1	48.9	74.5	83.0
142.5°	2.1	19.1	44.7	68.1	76.6
145°	2.1	17.0	40.4	63.8	70.2
147.5°	2.1	14.9	36.2	57.4	63.8
150°	2.1	14.9	31.9	51.1	57.4
152.5°	2.1	12.8	27.7	46.8	53.2
155°	2.1	10.6	25.5	40.4	46.8
157.5°	2.1	10.6	21.3	34.0	40.4
160°	2.1	8.5	19.1	27.7	34.0
162.5°	2.1	8.5	17.0	23.4	29.8
165°	2.1	6.4	12.8	19.1	23.4
167.5°	2.1	6.4	10.6	14.9	19.1
170°	2.1	4.3	8.5	10.6	14.9
172.5°	2.1	4.3	6.4	6.4	6.4
175°	2.1	2.1	4.3	4.3	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)