

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: P567987

Luminaire Tested: **8SNX-74SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-74SL-LN-UNV-L835-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

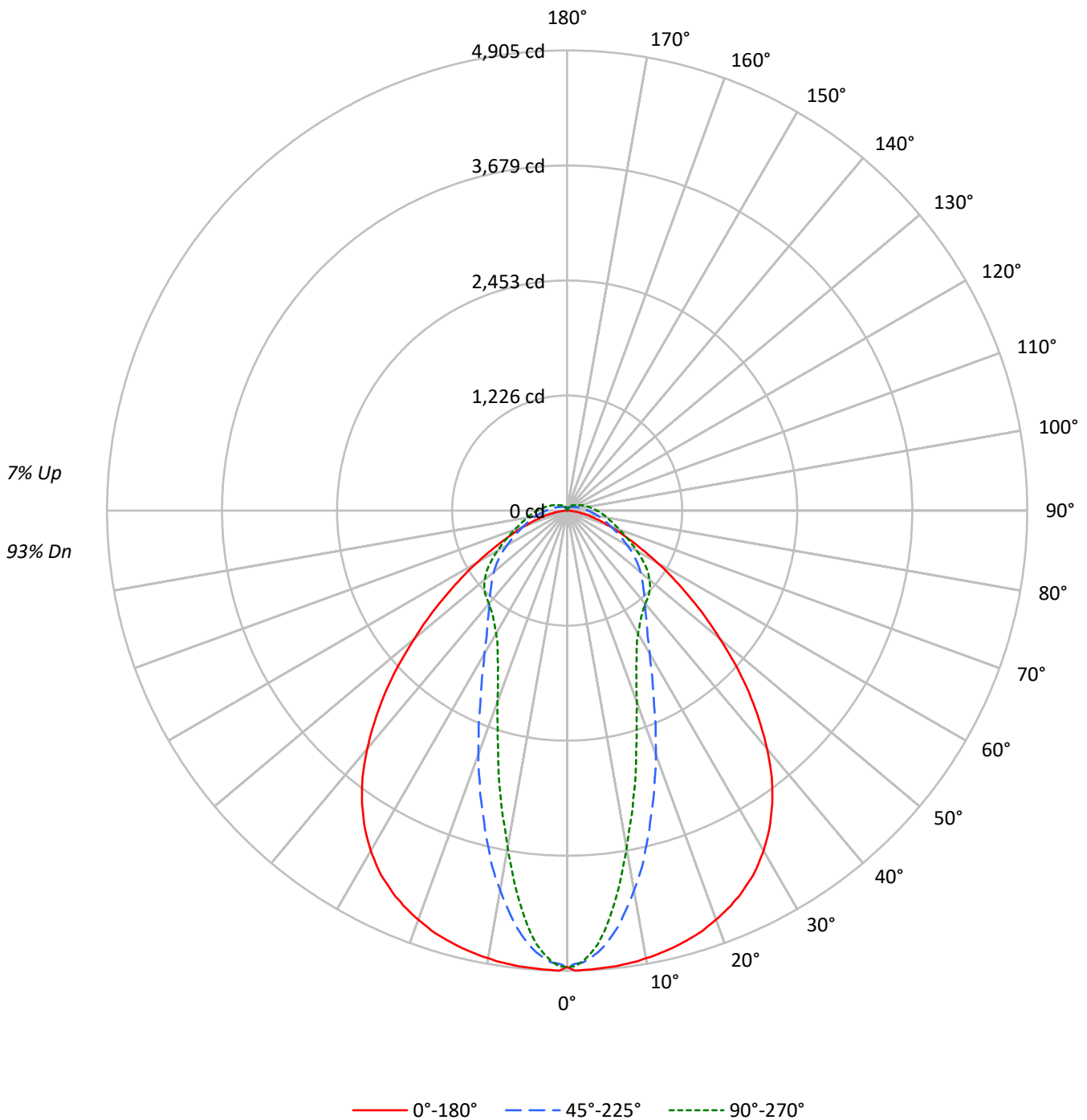
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7754.0 lumens
Efficiency: N/A
Efficacy: 161.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 48
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

TEST NUMBER: P567987
CATALOG NUMBER: 8SNX-74SL-LN-UNV-L835-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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26179	26179	26179
5°	26363	24091	23027
10°	26375	20680	17865
15°	26412	16888	13390
20°	26379	13467	10020
25°	26194	10564	7952
30°	25703	8558	6784
35°	24684	7250	6171
40°	22897	6408	5840
45°	20422	5869	5660
50°	17364	5407	5347
55°	14331	4906	4883
60°	11526	4322	4284
65°	9016	3801	3728
70°	7077	3367	3297
75°	5566	3032	3004
80°	4055	2783	2793
85°	2434	2602	2678



TEST NUMBER: P567987

CATALOG NUMBER: 8SNX-74SL-LN-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.8	5.6
10°-20°	1009.7	13.0
20°-30°	1198.6	15.5
30°-40°	1205.9	15.6
40°-50°	1120.9	14.5
50°-60°	923.0	11.9
60°-70°	650.4	8.4
70°-80°	424.9	5.5
80°-90°	271.3	3.5
90°-100°	177.9	2.3
100°-110°	120.8	1.6
110°-120°	82.8	1.1
120°-130°	57.3	0.7
130°-140°	38.5	0.5
140°-150°	23.8	0.3
150°-160°	12.3	0.2
160°-170°	4.5	0.1
170°-180°	0.8	0.0
0°-30°	2639.0	34.0
0°-40°	3844.9	49.6
0°-60°	5888.8	75.9
0°-90°	7235.4	93.3
90°-120°	381.5	4.9
90°-150°	501.0	6.5
90°-180°	519.0	6.7
0°-180°	7754.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4864	4864	4864	4864	4864	
5°	4889	4824	4649	4560	4511	465
15°	4767	4259	3426	2995	2832	1346
25°	4454	3292	2182	1833	1756	2050
35°	3812	2227	1479	1386	1378	2371
45°	2739	1467	1146	1207	1239	2103
55°	1573	963	886	983	1016	1420
65°	740	581	610	687	711	750
75°	288	301	410	484	504	312
85°	49	138	276	358	374	61
90°	0	94	224	305	317	3
95°	0	69	187	256	268	0
105°	0	49	126	179	195	0
115°	4	41	89	130	138	4
125°	4	32	73	94	102	4
135°	4	28	57	73	77	3
145°	4	20	41	57	61	3
155°	4	16	28	41	45	2
165°	4	8	16	20	24	1
175°	8	8	8	8	4	1
180°	4	4	4	4	4	



TEST NUMBER: P567987

CATALOG NUMBER: 8SNX-74SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4864.3	4864.3	4864.3	4864.3	4864.3
1°	4905.0	4884.6	4831.8	4868.4	4860.3
2°	4900.9	4880.6	4819.6	4835.9	4807.4
3°	4896.8	4868.4	4774.9	4770.9	4730.2
4°	4892.8	4848.1	4718.0	4669.3	4636.7
5°	4888.7	4823.7	4648.9	4559.5	4510.8
6°	4884.6	4795.2	4559.5	4425.4	4356.3
7°	4876.5	4750.5	4466.1	4283.2	4193.8
8°	4868.4	4709.9	4348.2	4128.8	4019.1
9°	4860.3	4657.1	4230.4	3962.2	3832.1
10°	4844.0	4604.2	4108.5	3791.5	3653.3
11°	4835.9	4543.3	3990.6	3628.9	3466.4
12°	4819.6	4478.3	3864.6	3458.3	3316.0
13°	4803.4	4409.2	3710.2	3312.0	3141.3
14°	4787.1	4336.0	3576.1	3149.4	2990.9
15°	4766.8	4258.8	3425.7	2995.0	2832.4
16°	4746.5	4169.4	3291.6	2836.5	2665.8
17°	4726.1	4084.1	3165.7	2690.2	2535.8
18°	4701.8	3998.7	3019.4	2548.0	2397.6
19°	4669.3	3901.2	2901.5	2417.9	2279.8
20°	4640.8	3811.8	2767.4	2296.0	2174.1
21°	4608.3	3702.1	2633.3	2182.2	2060.3
22.5°	4559.5	3547.7	2462.6	2040.0	1926.2
23°	4535.2	3503.0	2393.6	1987.2	1889.6
24°	4502.6	3385.1	2279.8	1905.9	1808.4
25°	4453.9	3291.6	2182.2	1832.8	1755.5
26°	4409.2	3177.9	2084.7	1767.7	1690.5
27°	4364.5	3068.1	1999.4	1698.7	1633.6
28°	4307.6	2954.4	1905.9	1641.8	1584.9
29°	4246.6	2848.7	1828.7	1593.0	1548.3
30°	4185.7	2730.8	1763.7	1548.3	1511.7
32.5°	4015.0	2470.8	1597.1	1463.0	1438.6
35°	3811.8	2226.9	1479.2	1385.7	1377.6
37.5°	3584.2	2003.4	1373.5	1324.8	1332.9
40°	3316.0	1800.2	1284.1	1280.1	1296.3
42.5°	3031.6	1625.5	1215.1	1243.5	1267.9
45°	2739.0	1467.0	1146.0	1206.9	1239.4
47.5°	2434.2	1328.8	1085.0	1162.2	1198.8
50°	2125.3	1194.7	1020.0	1109.4	1146.0
52.5°	1849.0	1076.9	955.0	1048.4	1089.1
55°	1572.7	963.1	885.9	983.4	1015.9
57.5°	1332.9	857.5	812.8	910.3	934.7
60°	1109.4	755.9	739.6	829.0	857.5
62.5°	906.2	666.5	670.5	755.9	784.3
65°	739.6	581.1	609.6	686.8	711.2



TEST NUMBER: P567987

CATALOG NUMBER: 8SNX-74SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	601.4	499.8	548.6	629.9	650.2
70°	475.5	426.7	499.8	573.0	593.3
72.5°	377.9	361.7	451.1	528.3	544.5
75°	288.5	300.7	410.4	483.6	503.9
77.5°	207.3	252.0	369.8	447.0	463.3
80°	146.3	207.3	337.3	414.5	430.8
82.5°	93.5	170.7	304.8	386.1	402.3
85°	48.8	138.2	276.3	357.6	373.9
87.5°	20.3	113.8	247.9	329.2	345.4
90°	0.0	93.5	223.5	304.8	317.0
92.5°	0.0	81.3	203.2	280.4	292.6
95°	0.0	69.1	186.9	256.0	268.2
97.5°	0.0	65.0	166.6	235.7	247.9
100°	0.0	56.9	150.4	215.4	231.6
102.5°	0.0	52.8	138.2	195.1	211.3
105°	0.0	48.8	126.0	178.8	195.1
107.5°	0.0	44.7	117.8	166.6	178.8
110°	0.0	44.7	105.7	154.4	166.6
112.5°	4.1	40.6	97.5	138.2	150.4
115°	4.1	40.6	89.4	130.0	138.2
117.5°	4.1	40.6	85.3	117.8	126.0
120°	4.1	36.6	81.3	109.7	117.8
122.5°	4.1	36.6	77.2	101.6	105.7
125°	4.1	32.5	73.1	93.5	101.6
127.5°	4.1	32.5	69.1	89.4	93.5
130°	4.1	32.5	65.0	81.3	89.4
132.5°	4.1	28.4	61.0	77.2	81.3
135°	4.1	28.4	56.9	73.1	77.2
137.5°	4.1	24.4	52.8	69.1	73.1
140°	4.1	24.4	48.8	65.0	69.1
142.5°	4.1	20.3	44.7	61.0	65.0
145°	4.1	20.3	40.6	56.9	61.0
147.5°	4.1	20.3	36.6	52.8	56.9
150°	4.1	16.3	32.5	48.8	52.8
152.5°	4.1	16.3	28.4	44.7	48.8
155°	4.1	16.3	28.4	40.6	44.7
157.5°	4.1	12.2	24.4	32.5	40.6
160°	4.1	12.2	20.3	28.4	36.6
162.5°	4.1	12.2	20.3	24.4	28.4
165°	4.1	8.1	16.3	20.3	24.4
167.5°	4.1	8.1	12.2	16.3	20.3
170°	4.1	8.1	12.2	12.2	16.3
172.5°	4.1	8.1	8.1	8.1	8.1
175°	8.1	8.1	8.1	8.1	4.1
177.5°	8.1	8.1	8.1	4.1	4.1



TEST NUMBER: P567987

CATALOG NUMBER: 8SNX-74SL-LN-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)