

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: P567992

Luminaire Tested: **8SNX-74SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567992
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-L940-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

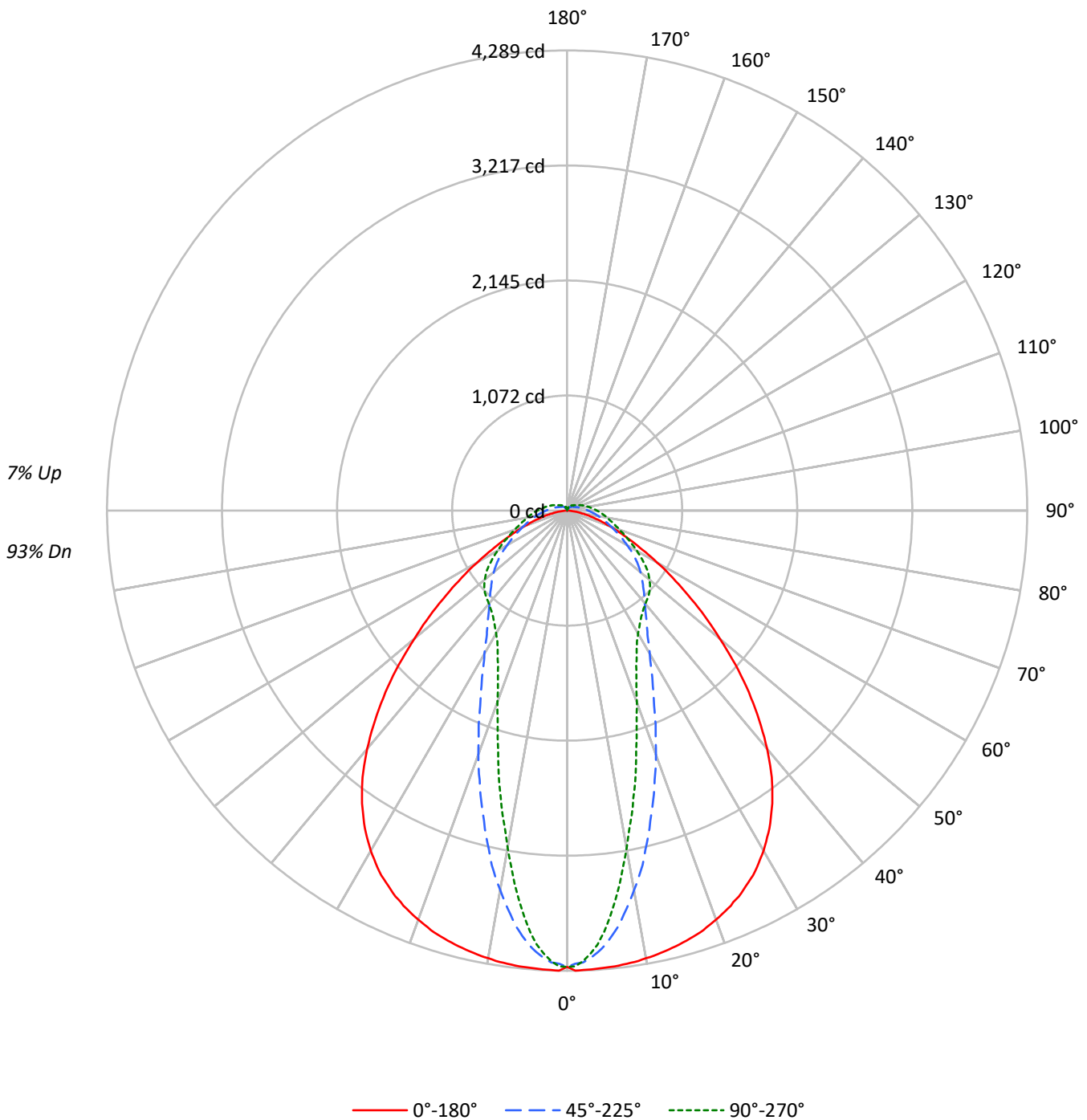
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6780.0 lumens
Efficiency: N/A
Efficacy: 141.3 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: P567992
CATALOG NUMBER: 8SNX-74SL-LN-UNV-L940-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°	22891	22891	22891
5°	23052	21065	20134
10°	23062	18082	15621
15°	23094	14766	11708
20°	23066	11775	8762
25°	22904	9237	6954
30°	22474	7483	5931
35°	21583	6340	5396
40°	20021	5603	5107
45°	17856	5132	4949
50°	15183	4728	4675
55°	12530	4290	4270
60°	10078	3779	3745
65°	7883	3323	3259
70°	6187	2945	2883
75°	4868	2652	2627
80°	3545	2433	2441
85°	2125	2275	2342



TEST NUMBER: P567992

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	5.6
10°-20°	882.9	13.0
20°-30°	1048.0	15.5
30°-40°	1054.4	15.6
40°-50°	980.1	14.5
50°-60°	807.1	11.9
60°-70°	568.7	8.4
70°-80°	371.5	5.5
80°-90°	237.2	3.5
90°-100°	155.6	2.3
100°-110°	105.6	1.6
110°-120°	72.4	1.1
120°-130°	50.1	0.7
130°-140°	33.7	0.5
140°-150°	20.8	0.3
150°-160°	10.8	0.2
160°-170°	3.9	0.1
170°-180°	0.7	0.0
0°-30°	2307.5	34.0
0°-40°	3362.0	49.6
0°-60°	5149.1	75.9
0°-90°	6326.5	93.3
90°-120°	333.6	4.9
90°-150°	438.1	6.5
90°-180°	453.0	6.7
0°-180°	6780.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4253	4253	4253	4253	4253	
5°	4275	4218	4065	3987	3944	407
15°	4168	3724	2995	2619	2477	1177
25°	3894	2878	1908	1602	1535	1792
35°	3333	1947	1293	1212	1205	2073
45°	2395	1283	1002	1055	1084	1839
55°	1375	842	775	860	888	1242
65°	647	508	533	600	622	656
75°	252	263	359	423	441	273
85°	43	121	242	313	327	54
90°	0	82	195	266	277	2
95°	0	60	164	224	234	0
105°	0	43	110	156	171	0
115°	4	36	78	114	121	3
125°	4	28	64	82	89	3
135°	4	25	50	64	68	3
145°	4	18	36	50	53	2
155°	4	14	25	36	39	2
165°	4	7	14	18	21	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



TEST NUMBER: P567992

CATALOG NUMBER: 8SNX-74SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4253.3	4253.3	4253.3	4253.3	4253.3
1°	4288.8	4271.1	4224.9	4256.9	4249.7
2°	4285.3	4267.5	4214.2	4228.4	4203.6
3°	4281.7	4256.9	4175.1	4171.6	4136.0
4°	4278.2	4239.1	4125.4	4082.7	4054.3
5°	4274.6	4217.8	4065.0	3986.8	3944.2
6°	4271.1	4192.9	3986.8	3869.5	3809.1
7°	4264.0	4153.8	3905.1	3745.2	3667.0
8°	4256.9	4118.3	3802.0	3610.2	3514.2
9°	4249.7	4072.1	3699.0	3464.5	3350.8
10°	4235.5	4025.9	3592.4	3315.2	3194.4
11°	4228.4	3972.6	3489.3	3173.1	3031.0
12°	4214.2	3915.7	3379.2	3023.9	2899.5
13°	4200.0	3855.3	3244.2	2895.9	2746.7
14°	4185.8	3791.4	3126.9	2753.8	2615.2
15°	4168.0	3723.9	2995.4	2618.8	2476.6
16°	4150.3	3645.7	2878.2	2480.2	2331.0
17°	4132.5	3571.1	2768.0	2352.3	2217.3
18°	4111.2	3496.4	2640.1	2227.9	2096.4
19°	4082.7	3411.2	2537.1	2114.2	1993.4
20°	4057.9	3333.0	2419.8	2007.6	1901.0
21°	4029.4	3237.1	2302.5	1908.1	1801.5
22.5°	3986.8	3102.0	2153.3	1783.8	1684.3
23°	3965.5	3062.9	2092.9	1737.6	1652.3
24°	3937.1	2959.9	1993.4	1666.5	1581.2
25°	3894.4	2878.2	1908.1	1602.5	1535.0
26°	3855.3	2778.7	1822.8	1545.7	1478.2
27°	3816.2	2682.7	1748.2	1485.3	1428.4
28°	3766.5	2583.2	1666.5	1435.5	1385.8
29°	3713.2	2490.9	1599.0	1392.9	1353.8
30°	3659.9	2387.8	1542.1	1353.8	1321.8
32.5°	3510.7	2160.4	1396.4	1279.2	1257.9
35°	3333.0	1947.2	1293.4	1211.7	1204.6
37.5°	3134.0	1751.8	1201.0	1158.4	1165.5
40°	2899.5	1574.1	1122.8	1119.3	1133.5
42.5°	2650.8	1421.3	1062.4	1087.3	1108.6
45°	2394.9	1282.7	1002.0	1055.3	1083.8
47.5°	2128.4	1161.9	948.7	1016.2	1048.2
50°	1858.4	1044.7	891.9	970.1	1002.0
52.5°	1616.8	941.6	835.0	916.8	952.3
55°	1375.1	842.1	774.6	859.9	888.3
57.5°	1165.5	749.7	710.7	795.9	817.3
60°	970.1	660.9	646.7	724.9	749.7
62.5°	792.4	582.7	586.3	660.9	685.8
65°	646.7	508.1	533.0	600.5	621.8



TEST NUMBER: P567992

CATALOG NUMBER: 8SNX-74SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	525.9	437.1	479.7	550.8	568.5
70°	415.7	373.1	437.1	501.0	518.8
72.5°	330.5	316.2	394.4	461.9	476.1
75°	252.3	262.9	358.9	422.8	440.6
77.5°	181.2	220.3	323.4	390.9	405.1
80°	127.9	181.2	294.9	362.4	376.6
82.5°	81.7	149.2	266.5	337.6	351.8
85°	42.6	120.8	241.6	312.7	326.9
87.5°	17.8	99.5	216.8	287.8	302.0
90°	0.0	81.7	195.4	266.5	277.2
92.5°	0.0	71.1	177.7	245.2	255.8
95°	0.0	60.4	163.5	223.9	234.5
97.5°	0.0	56.9	145.7	206.1	216.8
100°	0.0	49.7	131.5	188.3	202.5
102.5°	0.0	46.2	120.8	170.6	184.8
105°	0.0	42.6	110.2	156.3	170.6
107.5°	0.0	39.1	103.0	145.7	156.3
110°	0.0	39.1	92.4	135.0	145.7
112.5°	3.6	35.5	85.3	120.8	131.5
115°	3.6	35.5	78.2	113.7	120.8
117.5°	3.6	35.5	74.6	103.0	110.2
120°	3.6	32.0	71.1	95.9	103.0
122.5°	3.6	32.0	67.5	88.8	92.4
125°	3.6	28.4	64.0	81.7	88.8
127.5°	3.6	28.4	60.4	78.2	81.7
130°	3.6	28.4	56.9	71.1	78.2
132.5°	3.6	24.9	53.3	67.5	71.1
135°	3.6	24.9	49.7	64.0	67.5
137.5°	3.6	21.3	46.2	60.4	64.0
140°	3.6	21.3	42.6	56.9	60.4
142.5°	3.6	17.8	39.1	53.3	56.9
145°	3.6	17.8	35.5	49.7	53.3
147.5°	3.6	17.8	32.0	46.2	49.7
150°	3.6	14.2	28.4	42.6	46.2
152.5°	3.6	14.2	24.9	39.1	42.6
155°	3.6	14.2	24.9	35.5	39.1
157.5°	3.6	10.7	21.3	28.4	35.5
160°	3.6	10.7	17.8	24.9	32.0
162.5°	3.6	10.7	17.8	21.3	24.9
165°	3.6	7.1	14.2	17.8	21.3
167.5°	3.6	7.1	10.7	14.2	17.8
170°	3.6	7.1	10.7	10.7	14.2
172.5°	3.6	7.1	7.1	7.1	7.1
175°	7.1	7.1	7.1	7.1	3.6
177.5°	7.1	7.1	7.1	3.6	3.6



TEST NUMBER: P567992

CATALOG NUMBER: 8SNX-74SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)