

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: P568000

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568000
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-74SL-LW-UNV-L940-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

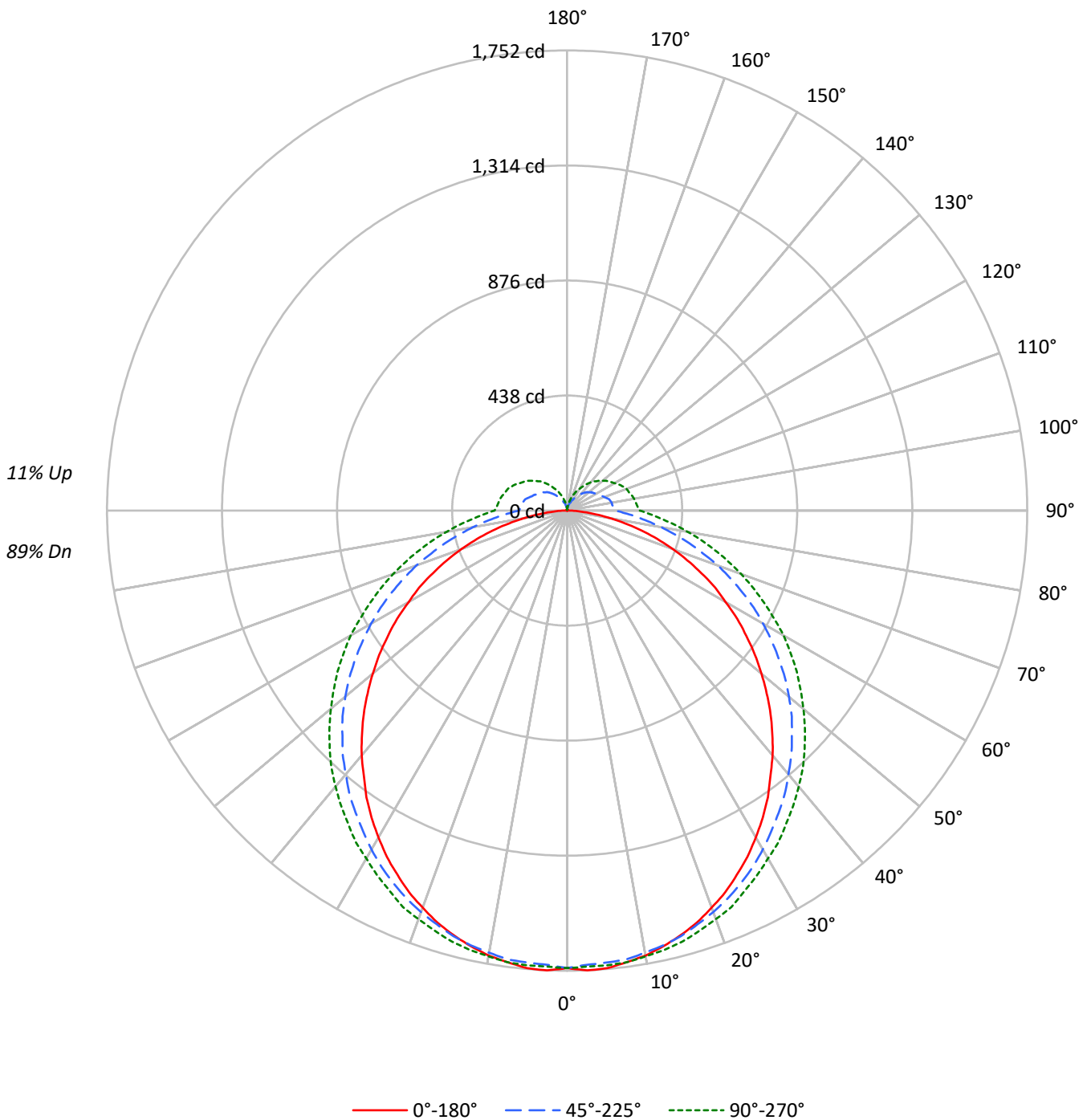
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6200.0 lumens
Efficiency: N/A
Efficacy: 129.2 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: 0.17')
CIE Type: Semi-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

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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°	9373	9373	9373
5°	9431	8951	8872
10°	9365	8604	8429
15°	9272	8267	8029
20°	9144	7916	7630
25°	8996	7579	7239
30°	8820	7231	6864
35°	8627	6882	6514
40°	8405	6540	6180
45°	8166	6197	5838
50°	7892	5844	5479
55°	7591	5449	5126
60°	7237	5036	4754
65°	6873	4589	4329
70°	6360	4113	3911
75°	5682	3555	3468
80°	4579	2992	3026
85°	3222	2468	2572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.4	2.7
10°-20°	475.5	7.7
20°-30°	723.0	11.7
30°-40°	877.6	14.2
40°-50°	927.4	15.0
50°-60°	867.8	14.0
60°-70°	712.0	11.5
70°-80°	489.7	7.9
80°-90°	268.2	4.3
90°-100°	172.7	2.8
100°-110°	155.0	2.5
110°-120°	128.3	2.1
120°-130°	98.8	1.6
130°-140°	69.4	1.1
140°-150°	41.8	0.7
150°-160°	20.0	0.3
160°-170°	6.6	0.1
170°-180°	0.8	0.0
0°-30°	1363.9	22.0
0°-40°	2241.5	36.2
0°-60°	4036.7	65.1
0°-90°	5506.6	88.8
90°-120°	456.0	7.4
90°-150°	666.0	10.7
90°-180°	693.0	11.2
0°-180°	6200.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1742	1742	1742	1742	1742	
5°	1749	1745	1727	1742	1738	166
15°	1673	1680	1677	1698	1698	472
25°	1530	1548	1566	1598	1598	705
35°	1332	1364	1404	1444	1454	832
45°	1095	1146	1210	1264	1278	844
55°	833	901	984	1045	1066	746
65°	564	639	736	804	826	558
75°	294	374	481	557	582	310
85°	65	154	262	334	359	75
90°	0	86	183	251	276	4
95°	0	83	176	241	266	0
105°	0	68	165	226	248	2
115°	4	61	140	201	226	4
125°	4	50	118	172	194	3
135°	4	40	97	140	158	3
145°	4	29	68	108	118	2
155°	4	18	43	68	79	2
165°	4	11	22	32	40	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1741.6	1741.6	1741.6	1741.6	1741.6
2.5°	1752.4	1748.8	1730.8	1745.2	1738.0
5°	1748.8	1745.2	1727.2	1741.6	1738.0
7.5°	1734.4	1734.4	1723.6	1738.0	1734.4
10°	1720.0	1720.0	1709.3	1727.2	1723.6
12.5°	1698.5	1702.1	1694.9	1716.5	1712.9
15°	1673.4	1680.5	1677.0	1698.5	1698.5
17.5°	1644.6	1651.8	1651.8	1677.0	1677.0
20°	1608.7	1619.5	1626.7	1655.4	1655.4
22.5°	1572.8	1587.2	1598.0	1623.1	1633.9
25°	1529.7	1547.7	1565.6	1598.0	1598.0
27.5°	1486.6	1508.2	1529.7	1562.0	1565.6
30°	1436.4	1461.5	1490.2	1522.5	1529.7
32.5°	1386.1	1418.4	1447.1	1486.6	1497.4
35°	1332.2	1364.5	1404.0	1443.5	1454.3
37.5°	1271.2	1310.7	1361.0	1404.0	1414.8
40°	1217.3	1260.4	1310.7	1361.0	1371.7
42.5°	1156.3	1203.0	1264.0	1310.7	1328.6
45°	1095.2	1145.5	1210.1	1264.0	1278.4
47.5°	1030.6	1088.0	1159.9	1210.1	1228.1
50°	966.0	1027.0	1102.4	1159.9	1174.2
52.5°	901.3	966.0	1045.0	1102.4	1120.4
55°	833.1	901.3	983.9	1045.0	1066.5
57.5°	768.5	836.7	922.9	987.5	1009.0
60°	696.6	775.6	861.8	926.5	951.6
62.5°	635.6	707.4	800.8	865.4	887.0
65°	563.8	639.2	736.1	804.4	825.9
67.5°	495.5	574.5	671.5	743.3	764.9
70°	427.3	506.3	610.5	678.7	703.8
72.5°	359.1	441.7	542.2	617.6	642.8
75°	294.5	373.5	481.2	556.6	581.7
77.5°	226.2	312.4	420.1	495.5	524.3
80°	165.2	255.0	362.7	438.1	466.8
82.5°	111.3	201.1	308.8	384.2	413.0
85°	64.6	154.4	262.1	334.0	359.1
87.5°	32.3	118.5	219.0	290.9	316.0
90°	0.0	86.2	183.1	251.4	276.5
92.5°	0.0	82.6	179.5	244.2	269.3
95°	0.0	82.6	176.0	240.6	265.7
97.5°	0.0	79.0	172.4	240.6	262.1
100°	0.0	75.4	172.4	237.0	258.5
102.5°	0.0	71.8	168.8	233.4	255.0
105°	0.0	68.2	165.2	226.2	247.8
107.5°	3.6	68.2	158.0	222.6	244.2
110°	3.6	64.6	150.8	219.0	240.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	61.0	143.6	211.9	233.4
115°	3.6	61.0	140.0	201.1	226.2
117.5°	3.6	57.5	132.9	193.9	219.0
120°	3.6	57.5	129.3	186.7	208.3
122.5°	3.6	53.9	122.1	179.5	201.1
125°	3.6	50.3	118.5	172.4	193.9
127.5°	3.6	46.7	114.9	165.2	186.7
130°	3.6	43.1	107.7	158.0	176.0
132.5°	3.6	43.1	104.1	147.2	168.8
135°	3.6	39.5	97.0	140.0	158.0
137.5°	3.6	35.9	89.8	132.9	150.8
140°	3.6	32.3	82.6	125.7	140.0
142.5°	3.6	32.3	75.4	114.9	129.3
145°	3.6	28.7	68.2	107.7	118.5
147.5°	3.6	25.1	61.0	97.0	107.7
150°	3.6	25.1	53.9	86.2	97.0
152.5°	3.6	21.5	46.7	79.0	89.8
155°	3.6	18.0	43.1	68.2	79.0
157.5°	3.6	18.0	35.9	57.5	68.2
160°	3.6	14.4	32.3	46.7	57.5
162.5°	3.6	14.4	28.7	39.5	50.3
165°	3.6	10.8	21.5	32.3	39.5
167.5°	3.6	10.8	18.0	25.1	32.3
170°	3.6	7.2	14.4	18.0	25.1
172.5°	3.6	7.2	10.8	10.8	10.8
175°	3.6	3.6	7.2	7.2	3.6
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)