

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: P567983

Luminaire Tested: **8SNX-74SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-74SL-LC-UNV-L935-CD
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

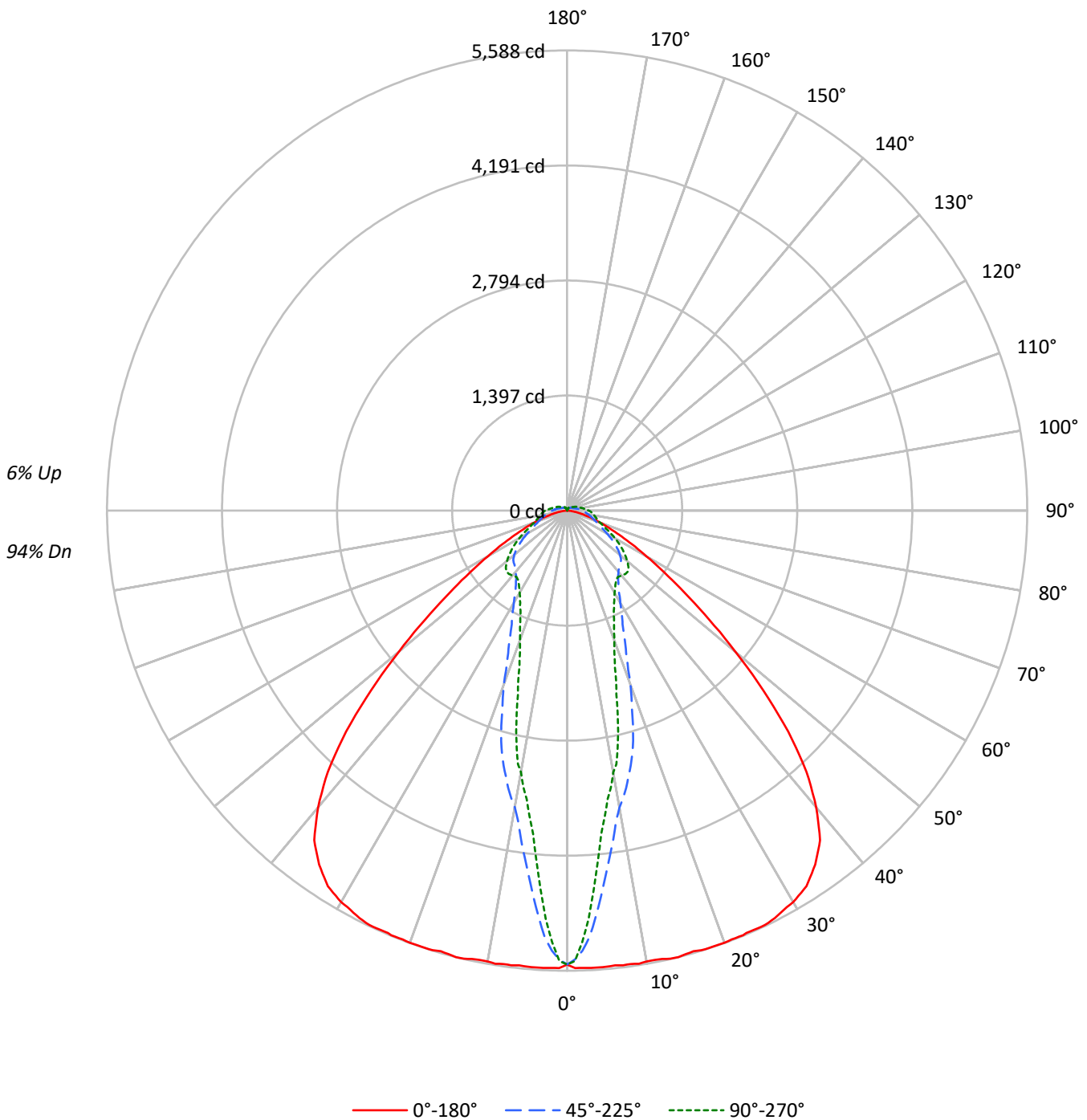
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6794.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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

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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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29663	29663	29663
5°	29985	24394	21808
10°	30276	18437	15783
15°	30887	15087	10929
20°	31745	10928	7719
25°	32804	7837	6073
30°	33717	6268	5172
35°	34001	5307	4632
40°	32504	4830	4643
45°	28296	4672	4770
50°	21789	4448	4451
55°	15863	3895	3950
60°	11575	3255	3339
65°	8489	2757	2738
70°	6323	2440	2361
75°	4569	2264	2200
80°	3088	2126	2167
85°	1561	2033	2170



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.5	6.4
10°-20°	941.2	13.9
20°-30°	1077.4	15.9
30°-40°	1079.3	15.9
40°-50°	1021.7	15.0
50°-60°	783.6	11.5
60°-70°	505.1	7.4
70°-80°	322.1	4.7
80°-90°	213.9	3.1
90°-100°	143.8	2.1
100°-110°	94.7	1.4
110°-120°	65.9	1.0
120°-130°	46.0	0.7
130°-140°	31.9	0.5
140°-150°	19.5	0.3
150°-160°	9.9	0.1
160°-170°	3.8	0.1
170°-180°	0.7	0.0
0°-30°	2452.1	36.1
0°-40°	3531.4	52.0
0°-60°	5336.7	78.6
0°-90°	6377.7	93.9
90°-120°	304.4	4.5
90°-150°	401.8	5.9
90°-180°	416.0	6.1
0°-180°	6794.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5512	5512	5512	5512	5512	
5°	5560	5254	4707	4390	4272	531
15°	5574	4014	3060	2514	2312	1581
25°	5578	2841	1619	1407	1340	2571
35°	5250	1581	1083	1048	1034	3258
45°	3795	999	912	1010	1044	2885
55°	1741	714	703	790	822	1601
65°	696	449	442	505	522	716
75°	237	244	306	352	369	260
85°	31	111	216	282	303	43
90°	0	77	181	251	261	1
95°	0	56	150	205	216	0
105°	0	42	98	139	150	2
115°	4	35	73	101	108	3
125°	4	31	63	73	77	3
135°	4	24	49	59	63	3
145°	4	17	35	45	49	2
155°	4	10	21	31	35	2
165°	7	7	14	17	21	2
175°	7	7	7	7	4	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5511.6	5511.6	5511.6	5511.6	5511.6
1°	5556.9	5525.5	5452.4	5473.3	5469.8
2°	5556.9	5490.7	5348.0	5306.2	5243.5
3°	5560.4	5431.5	5187.8	5052.0	4965.0
4°	5560.4	5344.5	4951.1	4724.7	4613.3
5°	5560.4	5254.0	4707.3	4390.5	4272.1
6°	5553.4	5146.0	4460.1	4125.9	3948.3
7°	5563.8	5027.7	4237.3	3878.7	3739.4
8°	5560.4	4888.4	4031.9	3690.7	3537.5
9°	5570.8	4752.6	3809.0	3513.1	3398.2
10°	5560.4	4627.3	3662.8	3346.0	3227.6
11°	5560.4	4505.4	3558.4	3238.0	3137.1
12°	5567.3	4366.1	3443.5	3084.8	2945.6
13°	5584.7	4223.4	3311.2	2917.7	2754.1
14°	5588.2	4115.4	3189.3	2705.3	2534.7
15°	5574.3	4014.5	3060.5	2513.8	2311.9
16°	5567.3	3910.0	2907.3	2332.8	2151.7
17°	5581.3	3788.2	2733.2	2148.2	1981.1
18°	5584.7	3676.7	2548.6	2009.0	1862.7
19°	5584.7	3589.7	2398.9	1880.1	1754.8
20°	5584.7	3506.1	2245.7	1782.7	1674.7
21°	5577.8	3401.7	2071.6	1681.7	1591.2
22.5°	5581.3	3206.7	1873.2	1563.3	1490.2
23°	5570.8	3158.0	1824.4	1532.0	1455.4
24°	5574.3	3018.7	1720.0	1469.3	1396.2
25°	5577.8	2841.1	1619.0	1406.6	1340.5
26°	5570.8	2698.4	1535.5	1347.4	1302.2
27°	5553.4	2583.5	1476.3	1298.7	1256.9
28°	5529.0	2430.3	1413.6	1256.9	1218.6
29°	5504.7	2256.2	1350.9	1211.7	1183.8
30°	5490.7	2116.9	1291.7	1176.8	1152.5
32.5°	5407.2	1841.8	1169.9	1107.2	1086.3
35°	5250.5	1580.7	1082.8	1048.0	1034.1
37.5°	5045.1	1378.8	1016.7	1009.7	1013.2
40°	4707.3	1218.6	967.9	999.3	1030.6
42.5°	4303.5	1093.3	933.1	1009.7	1044.5
45°	3795.1	999.3	912.2	1009.7	1044.5
47.5°	3231.1	922.7	887.8	974.9	1009.7
50°	2667.0	853.0	839.1	922.7	954.0
52.5°	2169.1	786.9	776.4	856.5	887.8
55°	1740.9	713.8	703.3	790.4	821.7
57.5°	1396.2	644.1	633.7	713.8	745.1
60°	1114.2	574.5	557.1	637.2	668.5
62.5°	887.8	508.3	497.9	567.5	595.4
65°	696.4	449.1	442.2	504.9	522.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	550.1	393.4	396.9	449.1	470.0
70°	424.8	341.2	362.1	410.8	424.8
72.5°	320.3	289.0	334.2	376.0	393.4
75°	236.8	243.7	306.4	351.7	369.1
77.5°	163.6	201.9	282.0	330.8	348.2
80°	111.4	163.6	257.7	313.4	334.2
82.5°	66.2	135.8	236.8	295.9	320.3
85°	31.3	111.4	215.9	282.0	302.9
87.5°	10.4	90.5	195.0	268.1	285.5
90°	0.0	76.6	181.1	250.7	261.1
92.5°	0.0	66.2	163.6	229.8	236.8
95°	0.0	55.7	149.7	205.4	215.9
97.5°	0.0	52.2	139.3	184.5	198.5
100°	0.0	48.7	125.3	167.1	181.1
102.5°	0.0	41.8	111.4	149.7	163.6
105°	0.0	41.8	97.5	139.3	149.7
107.5°	3.5	38.3	90.5	125.3	139.3
110°	3.5	38.3	80.1	118.4	128.8
112.5°	3.5	38.3	76.6	107.9	121.9
115°	3.5	34.8	73.1	101.0	107.9
117.5°	3.5	34.8	69.6	90.5	97.5
120°	3.5	31.3	66.2	83.6	87.0
122.5°	3.5	31.3	62.7	76.6	80.1
125°	3.5	31.3	62.7	73.1	76.6
127.5°	3.5	27.9	59.2	69.6	69.6
130°	3.5	27.9	55.7	66.2	66.2
132.5°	3.5	24.4	52.2	62.7	66.2
135°	3.5	24.4	48.7	59.2	62.7
137.5°	3.5	20.9	45.3	55.7	59.2
140°	3.5	20.9	41.8	52.2	55.7
142.5°	3.5	17.4	38.3	48.7	52.2
145°	3.5	17.4	34.8	45.3	48.7
147.5°	3.5	17.4	31.3	41.8	45.3
150°	3.5	13.9	27.9	38.3	41.8
152.5°	3.5	13.9	24.4	34.8	38.3
155°	3.5	10.4	20.9	31.3	34.8
157.5°	3.5	10.4	20.9	27.9	31.3
160°	7.0	10.4	17.4	24.4	27.9
162.5°	3.5	7.0	17.4	20.9	24.4
165°	7.0	7.0	13.9	17.4	20.9
167.5°	7.0	7.0	10.4	13.9	17.4
170°	7.0	7.0	10.4	10.4	13.9
172.5°	7.0	7.0	7.0	10.4	7.0
175°	7.0	7.0	7.0	7.0	3.5
177.5°	7.0	7.0	7.0	7.0	3.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.0	7.0	7.0	7.0	7.0

(END OF REPORT)