

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: P567076

Luminaire Tested: **4SNX-SL3-LC-UNV-CC93-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567076
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: 4SNX-SL3-LC-UNV-CC93-CD-4000K-HI
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, HI LUMEN SETTING, AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

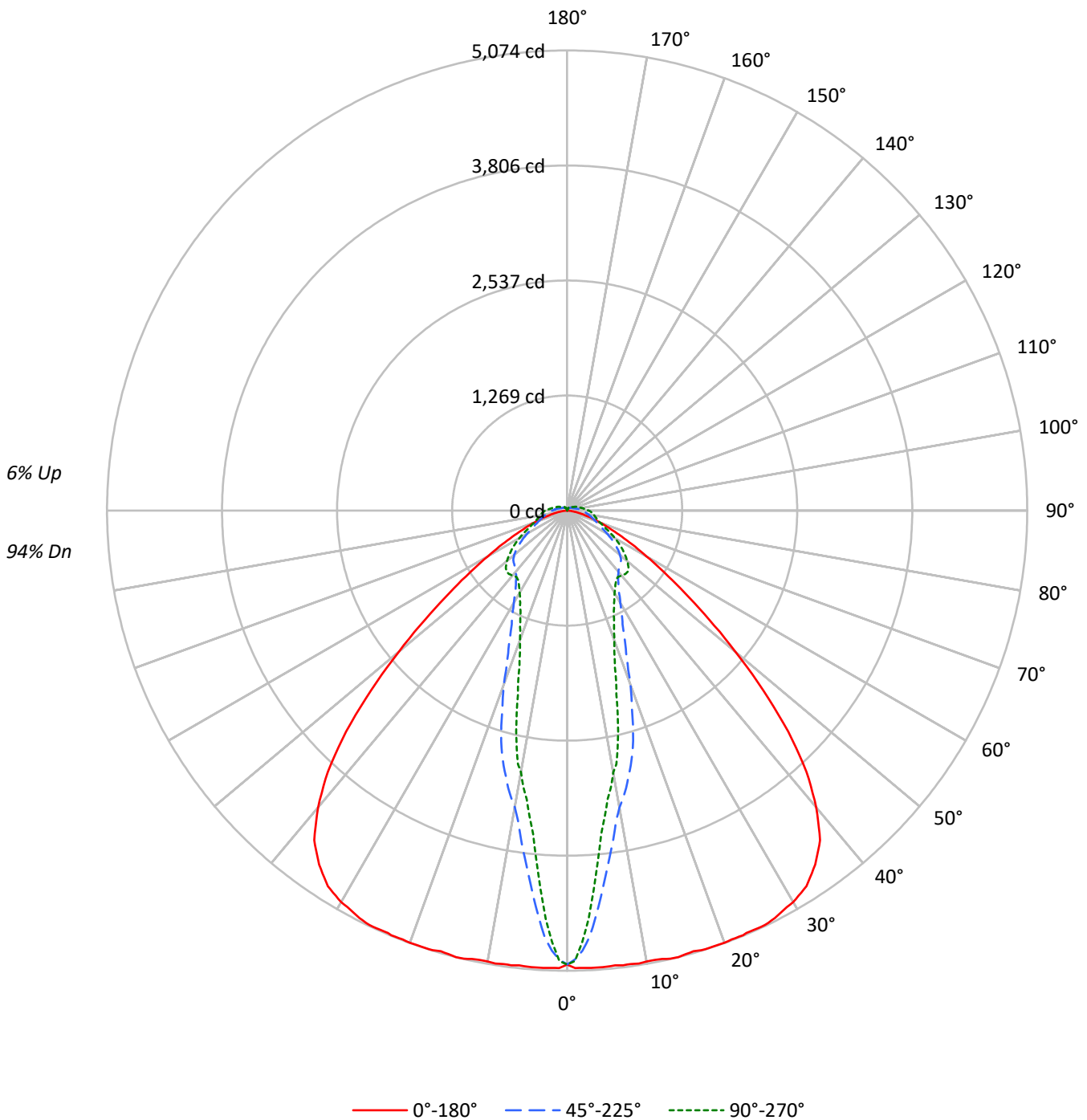
Lumens per Lamp: N/A
Luminaire Lumens: 6169.0 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 48.9
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	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	53869	53869	53869
5°	54355	44245	39604
10°	54782	33402	28663
15°	55781	27303	19847
20°	57219	19756	14018
25°	59005	14154	11028
30°	60511	11308	9391
35°	60870	9565	8412
40°	58031	8695	8432
45°	50358	8401	8662
50°	38635	7989	8083
55°	27998	6987	7172
60°	20314	5831	6065
65°	14783	4930	4971
70°	10892	4355	4287
75°	7738	4032	3995
80°	5074	3775	3935
85°	2384	3599	3940



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.6	6.4
10°-20°	854.7	13.9
20°-30°	978.3	15.9
30°-40°	980.0	15.9
40°-50°	927.7	15.0
50°-60°	711.5	11.5
60°-70°	458.6	7.4
70°-80°	292.4	4.7
80°-90°	194.2	3.1
90°-100°	130.6	2.1
100°-110°	86.0	1.4
110°-120°	59.8	1.0
120°-130°	41.8	0.7
130°-140°	29.0	0.5
140°-150°	17.7	0.3
150°-160°	9.0	0.1
160°-170°	3.5	0.1
170°-180°	0.7	0.0
0°-30°	2226.5	36.1
0°-40°	3206.5	52.0
0°-60°	4845.8	78.5
0°-90°	5791.0	93.9
90°-120°	276.4	4.5
90°-150°	364.9	5.9
90°-180°	378.0	6.1
0°-180°	6169.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5005	5005	5005	5005	5005	
5°	5049	4771	4274	3987	3879	482
15°	5062	3645	2779	2283	2099	1436
25°	5065	2580	1470	1277	1217	2335
35°	4768	1435	983	952	939	2958
45°	3446	907	828	917	948	2620
55°	1581	648	639	718	746	1454
65°	632	408	402	458	474	650
75°	215	221	278	319	335	236
85°	28	101	196	256	275	39
90°	0	70	164	228	237	1
95°	0	51	136	186	196	0
105°	0	38	88	126	136	2
115°	3	32	66	92	98	3
125°	3	28	57	66	70	3
135°	3	22	44	54	57	2
145°	3	16	32	41	44	2
155°	3	10	19	28	32	2
165°	6	6	13	16	19	2
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5004.6	5004.6	5004.6	5004.6	5004.6
1°	5045.7	5017.2	4950.8	4969.8	4966.7
2°	5045.7	4985.6	4856.0	4818.1	4761.2
3°	5048.9	4931.9	4710.6	4587.3	4508.2
4°	5048.9	4852.8	4495.6	4290.1	4188.9
5°	5048.9	4770.6	4274.3	3986.6	3879.1
6°	5042.5	4672.6	4049.8	3746.3	3585.1
7°	5052.0	4565.1	3847.5	3521.9	3395.4
8°	5048.9	4438.7	3661.0	3351.1	3212.0
9°	5058.3	4315.4	3458.6	3189.9	3085.6
10°	5048.9	4201.6	3325.9	3038.2	2930.7
11°	5048.9	4090.9	3231.0	2940.2	2848.5
12°	5055.2	3964.5	3126.7	2801.1	2674.6
13°	5071.0	3834.9	3006.5	2649.3	2500.7
14°	5074.1	3736.8	2895.9	2456.5	2301.5
15°	5061.5	3645.2	2778.9	2282.6	2099.2
16°	5055.2	3550.3	2639.8	2118.2	1953.8
17°	5067.8	3439.7	2481.7	1950.6	1798.9
18°	5071.0	3338.5	2314.2	1824.2	1691.4
19°	5071.0	3259.5	2178.2	1707.2	1593.4
20°	5071.0	3183.6	2039.1	1618.7	1520.7
21°	5064.7	3088.7	1881.1	1527.0	1444.8
22.5°	5067.8	2911.7	1700.9	1419.5	1353.1
23°	5058.3	2867.4	1656.6	1391.0	1321.5
24°	5061.5	2741.0	1561.8	1334.1	1267.7
25°	5064.7	2579.8	1470.1	1277.2	1217.2
26°	5058.3	2450.1	1394.2	1223.5	1182.4
27°	5042.5	2345.8	1340.5	1179.2	1141.3
28°	5020.4	2206.7	1283.6	1141.3	1106.5
29°	4998.3	2048.6	1226.6	1100.2	1074.9
30°	4985.6	1922.2	1172.9	1068.6	1046.4
32.5°	4909.7	1672.4	1062.3	1005.3	986.4
35°	4767.5	1435.3	983.2	951.6	939.0
37.5°	4581.0	1251.9	923.1	916.8	920.0
40°	4274.3	1106.5	878.9	907.3	935.8
42.5°	3907.6	992.7	847.3	916.8	948.4
45°	3446.0	907.3	828.3	916.8	948.4
47.5°	2933.8	837.8	806.2	885.2	916.8
50°	2421.7	774.6	761.9	837.8	866.2
52.5°	1969.6	714.5	705.0	777.7	806.2
55°	1580.7	648.1	638.6	717.7	746.1
57.5°	1267.7	584.9	575.4	648.1	676.6
60°	1011.7	521.6	505.8	578.5	607.0
62.5°	806.2	461.6	452.1	515.3	540.6
65°	632.3	407.8	401.5	458.4	474.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	499.5	357.2	360.4	407.8	426.8
70°	385.7	309.8	328.8	373.1	385.7
72.5°	290.9	262.4	303.5	341.4	357.2
75°	215.0	221.3	278.2	319.3	335.1
77.5°	148.6	183.4	256.1	300.3	316.1
80°	101.2	148.6	233.9	284.5	303.5
82.5°	60.1	123.3	215.0	268.7	290.9
85°	28.5	101.2	196.0	256.1	275.0
87.5°	9.5	82.2	177.0	243.4	259.2
90°	0.0	69.6	164.4	227.6	237.1
92.5°	0.0	60.1	148.6	208.7	215.0
95°	0.0	50.6	135.9	186.5	196.0
97.5°	0.0	47.4	126.5	167.6	180.2
100°	0.0	44.3	113.8	151.8	164.4
102.5°	0.0	37.9	101.2	135.9	148.6
105°	0.0	37.9	88.5	126.5	135.9
107.5°	3.2	34.8	82.2	113.8	126.5
110°	3.2	34.8	72.7	107.5	117.0
112.5°	3.2	34.8	69.6	98.0	110.7
115°	3.2	31.6	66.4	91.7	98.0
117.5°	3.2	31.6	63.2	82.2	88.5
120°	3.2	28.5	60.1	75.9	79.0
122.5°	3.2	28.5	56.9	69.6	72.7
125°	3.2	28.5	56.9	66.4	69.6
127.5°	3.2	25.3	53.7	63.2	63.2
130°	3.2	25.3	50.6	60.1	60.1
132.5°	3.2	22.1	47.4	56.9	60.1
135°	3.2	22.1	44.3	53.7	56.9
137.5°	3.2	19.0	41.1	50.6	53.7
140°	3.2	19.0	37.9	47.4	50.6
142.5°	3.2	15.8	34.8	44.3	47.4
145°	3.2	15.8	31.6	41.1	44.3
147.5°	3.2	15.8	28.5	37.9	41.1
150°	3.2	12.6	25.3	34.8	37.9
152.5°	3.2	12.6	22.1	31.6	34.8
155°	3.2	9.5	19.0	28.5	31.6
157.5°	3.2	9.5	19.0	25.3	28.5
160°	6.3	9.5	15.8	22.1	25.3
162.5°	3.2	6.3	15.8	19.0	22.1
165°	6.3	6.3	12.6	15.8	19.0
167.5°	6.3	6.3	9.5	12.6	15.8
170°	6.3	6.3	9.5	9.5	12.6
172.5°	6.3	6.3	6.3	9.5	6.3
175°	6.3	6.3	6.3	6.3	3.2
177.5°	6.3	6.3	6.3	6.3	3.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.3	6.3	6.3	6.3	6.3

(END OF REPORT)