

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: P566575

Luminaire Tested: **4SNX-57SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566575
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-57SL-LC-UNV-L835-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

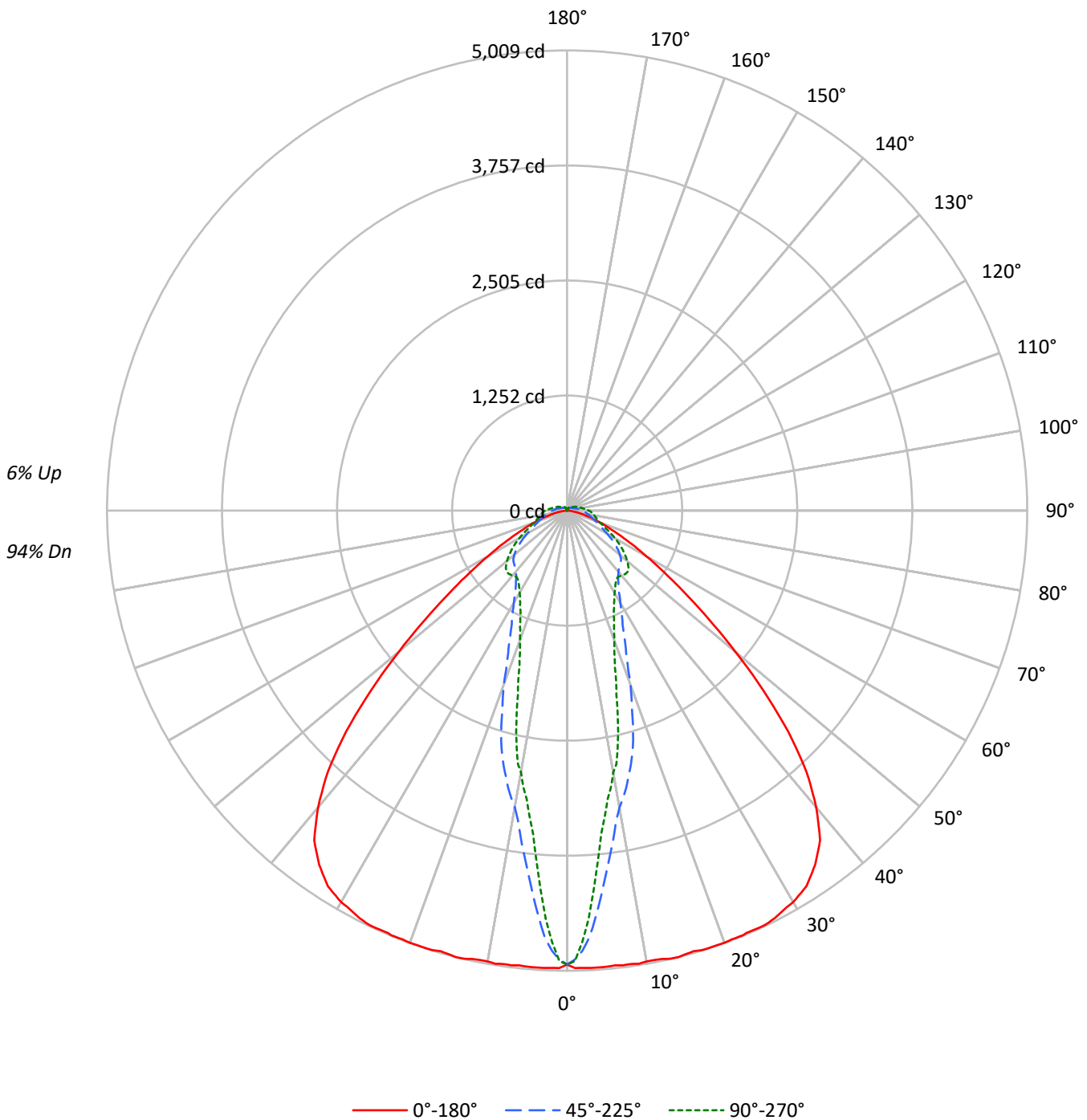
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6090.0 lumens
Efficiency: N/A
Efficacy: 153.4 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): 39.7
Input Voltage (V): NR
Input Current (A_{in}): 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°	53179	53179	53179
5°	53659	43679	39096
10°	54080	32974	28295
15°	55067	26953	19593
20°	56486	19503	13838
25°	58249	13973	10887
30°	59736	11163	9271
35°	60090	9442	8304
40°	57288	8583	8324
45°	49714	8293	8552
50°	38140	7888	7979
55°	27640	6897	7081
60°	20053	5757	5987
65°	14594	4868	4907
70°	10753	4299	4232
75°	7637	3980	3944
80°	5009	3728	3884
85°	2351	3554	3890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.5	6.4
10°-20°	843.7	13.9
20°-30°	965.8	15.9
30°-40°	967.5	15.9
40°-50°	915.8	15.0
50°-60°	702.4	11.5
60°-70°	452.7	7.4
70°-80°	288.7	4.7
80°-90°	191.7	3.1
90°-100°	128.9	2.1
100°-110°	84.9	1.4
110°-120°	59.1	1.0
120°-130°	41.2	0.7
130°-140°	28.6	0.5
140°-150°	17.5	0.3
150°-160°	8.9	0.1
160°-170°	3.4	0.1
170°-180°	0.7	0.0
0°-30°	2198.0	36.1
0°-40°	3165.5	52.0
0°-60°	4783.7	78.6
0°-90°	5716.9	93.9
90°-120°	272.9	4.5
90°-150°	360.2	5.9
90°-180°	373.0	6.1
0°-180°	6090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4940	4940	4940	4940	4940	
5°	4984	4710	4220	3936	3829	476
15°	4997	3598	2743	2253	2072	1417
25°	5000	2547	1451	1261	1202	2305
35°	4706	1417	971	939	927	2920
45°	3402	896	818	905	936	2586
55°	1560	640	630	708	737	1435
65°	624	403	396	452	468	642
75°	212	218	275	315	331	233
85°	28	100	194	253	272	39
90°	0	69	162	225	234	1
95°	0	50	134	184	194	0
105°	0	38	87	125	134	2
115°	3	31	66	90	97	3
125°	3	28	56	66	69	3
135°	3	22	44	53	56	2
145°	3	16	31	41	44	2
155°	3	9	19	28	31	2
165°	6	6	12	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°	4940.5	4940.5	4940.5	4940.5	4940.5
1°	4981.1	4953.0	4887.4	4906.2	4903.1
2°	4981.1	4921.8	4793.8	4756.4	4700.2
3°	4984.2	4868.7	4650.3	4528.5	4450.5
4°	4984.2	4790.7	4438.0	4235.2	4135.3
5°	4984.2	4709.6	4219.6	3935.5	3829.4
6°	4978.0	4612.8	3998.0	3698.4	3539.2
7°	4987.3	4506.7	3798.2	3476.8	3351.9
8°	4984.2	4381.8	3614.1	3308.2	3170.9
9°	4993.6	4260.1	3414.3	3149.1	3046.1
10°	4984.2	4147.8	3283.3	2999.3	2893.1
11°	4984.2	4038.5	3189.6	2902.5	2812.0
12°	4990.4	3913.7	3086.6	2765.2	2640.3
13°	5006.0	3785.7	2968.0	2615.4	2468.7
14°	5009.2	3689.0	2858.8	2425.0	2272.1
15°	4996.7	3598.5	2743.3	2253.3	2072.3
16°	4990.4	3504.9	2606.0	2091.1	1928.8
17°	5002.9	3395.6	2450.0	1925.6	1775.8
18°	5006.0	3295.7	2284.6	1800.8	1669.7
19°	5006.0	3217.7	2150.4	1685.3	1573.0
20°	5006.0	3142.8	2013.0	1597.9	1501.2
21°	4999.8	3049.2	1857.0	1507.4	1426.3
22.5°	5002.9	2874.4	1679.1	1401.3	1335.8
23°	4993.6	2830.7	1635.4	1373.2	1304.6
24°	4996.7	2705.9	1541.8	1317.1	1251.5
25°	4999.8	2546.7	1451.3	1260.9	1201.6
26°	4993.6	2418.8	1376.4	1207.8	1167.2
27°	4978.0	2315.8	1323.3	1164.1	1126.7
28°	4956.1	2178.4	1267.1	1126.7	1092.3
29°	4934.3	2022.4	1210.9	1086.1	1061.1
30°	4921.8	1897.6	1157.9	1054.9	1033.0
32.5°	4846.9	1651.0	1048.6	992.5	973.7
35°	4706.4	1416.9	970.6	939.4	926.9
37.5°	4522.3	1235.9	911.3	905.1	908.2
40°	4219.6	1092.3	867.6	895.7	923.8
42.5°	3857.5	980.0	836.4	905.1	936.3
45°	3401.9	895.7	817.7	905.1	936.3
47.5°	2896.3	827.1	795.8	873.9	905.1
50°	2390.7	764.6	752.2	827.1	855.1
52.5°	1944.4	705.3	696.0	767.8	795.8
55°	1560.5	639.8	630.4	708.5	736.6
57.5°	1251.5	577.4	568.0	639.8	667.9
60°	998.7	515.0	499.4	571.1	599.2
62.5°	795.8	455.7	446.3	508.7	533.7
65°	624.2	402.6	396.4	452.5	468.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	493.1	352.7	355.8	402.6	421.3
70°	380.8	305.9	324.6	368.3	380.8
72.5°	287.1	259.0	299.6	337.1	352.7
75°	212.2	218.5	274.6	315.2	330.8
77.5°	146.7	181.0	252.8	296.5	312.1
80°	99.9	146.7	231.0	280.9	299.6
82.5°	59.3	121.7	212.2	265.3	287.1
85°	28.1	99.9	193.5	252.8	271.5
87.5°	9.4	81.1	174.8	240.3	255.9
90°	0.0	68.7	162.3	224.7	234.1
92.5°	0.0	59.3	146.7	206.0	212.2
95°	0.0	49.9	134.2	184.1	193.5
97.5°	0.0	46.8	124.8	165.4	177.9
100°	0.0	43.7	112.4	149.8	162.3
102.5°	0.0	37.5	99.9	134.2	146.7
105°	0.0	37.5	87.4	124.8	134.2
107.5°	3.1	34.3	81.1	112.4	124.8
110°	3.1	34.3	71.8	106.1	115.5
112.5°	3.1	34.3	68.7	96.8	109.2
115°	3.1	31.2	65.5	90.5	96.8
117.5°	3.1	31.2	62.4	81.1	87.4
120°	3.1	28.1	59.3	74.9	78.0
122.5°	3.1	28.1	56.2	68.7	71.8
125°	3.1	28.1	56.2	65.5	68.7
127.5°	3.1	25.0	53.1	62.4	62.4
130°	3.1	25.0	49.9	59.3	59.3
132.5°	3.1	21.8	46.8	56.2	59.3
135°	3.1	21.8	43.7	53.1	56.2
137.5°	3.1	18.7	40.6	49.9	53.1
140°	3.1	18.7	37.5	46.8	49.9
142.5°	3.1	15.6	34.3	43.7	46.8
145°	3.1	15.6	31.2	40.6	43.7
147.5°	3.1	15.6	28.1	37.5	40.6
150°	3.1	12.5	25.0	34.3	37.5
152.5°	3.1	12.5	21.8	31.2	34.3
155°	3.1	9.4	18.7	28.1	31.2
157.5°	3.1	9.4	18.7	25.0	28.1
160°	6.2	9.4	15.6	21.8	25.0
162.5°	3.1	6.2	15.6	18.7	21.8
165°	6.2	6.2	12.5	15.6	18.7
167.5°	6.2	6.2	9.4	12.5	15.6
170°	6.2	6.2	9.4	9.4	12.5
172.5°	6.2	6.2	6.2	9.4	6.2
175°	6.2	6.2	6.2	6.2	3.1
177.5°	6.2	6.2	6.2	6.2	3.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)