

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: P566623

Luminaire Tested: **4SNX-60SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566623
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-60SL-LC-UNV-L835-CD
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

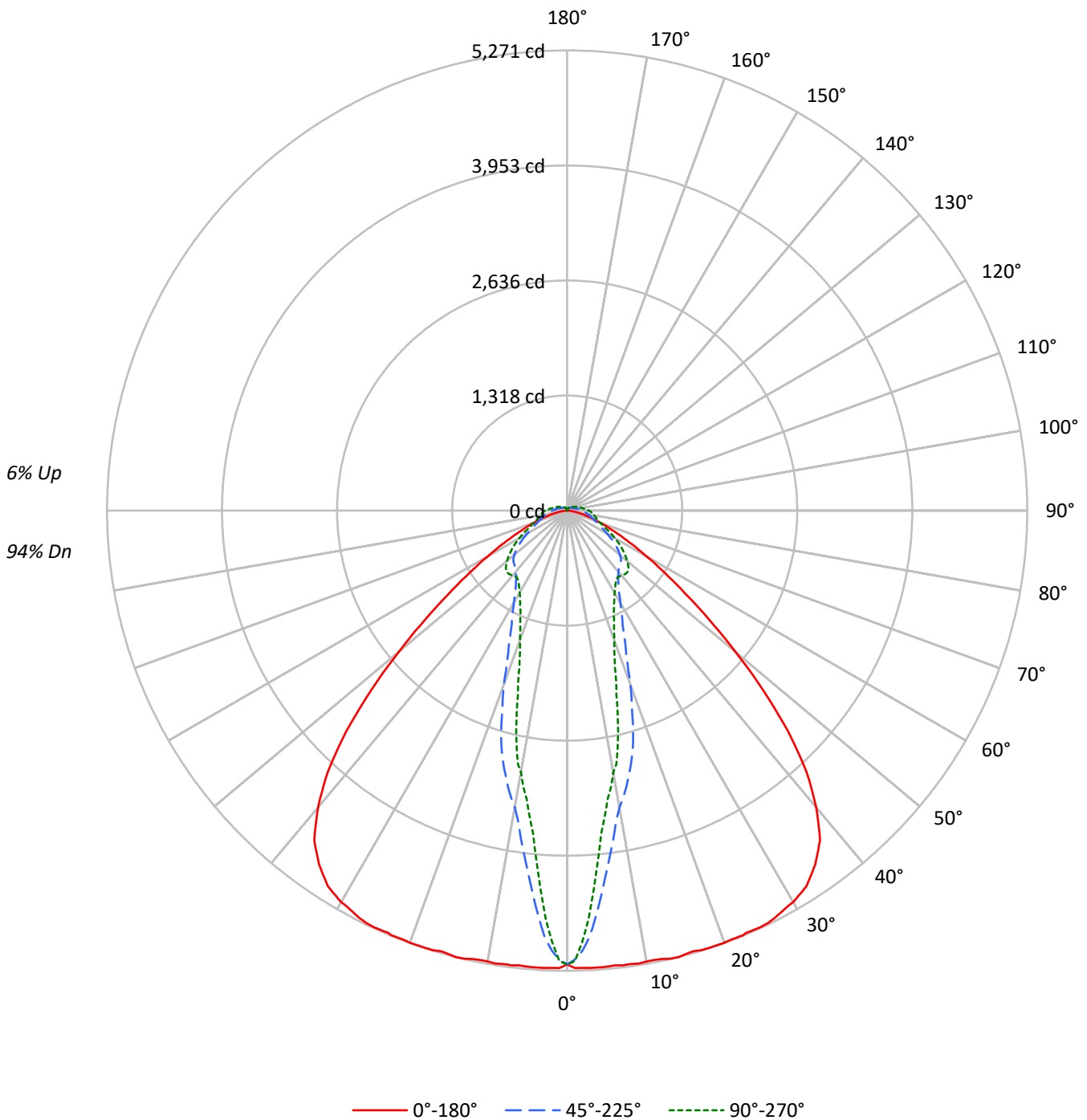
Lumens per Lamp: N/A
Luminaire Lumens: 6408.0 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 42
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°	55956	55956	55956
5°	56461	45959	41138
10°	56904	34696	29773
15°	57942	28361	20616
20°	59435	20521	14561
25°	61291	14702	11455
30°	62856	11746	9755
35°	63229	9936	8737
40°	60279	9032	8758
45°	52309	8727	8998
50°	40131	8299	8397
55°	29084	7258	7450
60°	21101	6056	6299
65°	15356	5122	5164
70°	11312	4523	4452
75°	8037	4189	4150
80°	5270	3922	4088
85°	2476	3739	4093



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.8	6.4
10°-20°	887.8	13.9
20°-30°	1016.2	15.9
30°-40°	1018.0	15.9
40°-50°	963.7	15.0
50°-60°	739.1	11.5
60°-70°	476.4	7.4
70°-80°	303.8	4.7
80°-90°	201.7	3.1
90°-100°	135.6	2.1
100°-110°	89.4	1.4
110°-120°	62.1	1.0
120°-130°	43.4	0.7
130°-140°	30.1	0.5
140°-150°	18.4	0.3
150°-160°	9.3	0.1
160°-170°	3.6	0.1
170°-180°	0.7	0.0
0°-30°	2312.8	36.1
0°-40°	3330.8	52.0
0°-60°	5033.5	78.5
0°-90°	6015.4	93.9
90°-120°	287.1	4.5
90°-150°	379.0	5.9
90°-180°	393.0	6.1
0°-180°	6408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5198	5198	5198	5198	5198	
5°	5244	4956	4440	4141	4029	501
15°	5258	3786	2887	2371	2180	1491
25°	5261	2680	1527	1327	1264	2425
35°	4952	1491	1021	988	975	3073
45°	3580	942	860	952	985	2722
55°	1642	673	663	746	775	1510
65°	657	424	417	476	493	676
75°	223	230	289	332	348	245
85°	30	105	204	266	286	41
90°	0	72	171	236	246	1
95°	0	52	141	194	204	0
105°	0	39	92	131	141	2
115°	3	33	69	95	102	3
125°	3	30	59	69	72	3
135°	3	23	46	56	59	3
145°	3	16	33	43	46	2
155°	3	10	20	30	33	2
165°	7	7	13	16	20	2
175°	7	7	7	7	3	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5198.5	5198.5	5198.5	5198.5	5198.5
1°	5241.2	5211.6	5142.7	5162.4	5159.1
2°	5241.2	5178.8	5044.1	5004.7	4945.6
3°	5244.5	5122.9	4893.1	4765.0	4682.9
4°	5244.5	5040.9	4669.8	4456.3	4351.2
5°	5244.5	4955.5	4439.9	4141.1	4029.4
6°	5237.9	4853.7	4206.7	3891.5	3724.0
7°	5247.7	4742.0	3996.6	3658.3	3527.0
8°	5244.5	4610.7	3802.8	3481.0	3336.5
9°	5254.3	4482.6	3592.6	3313.5	3205.1
10°	5244.5	4364.4	3454.7	3155.9	3044.2
11°	5244.5	4249.4	3356.2	3054.1	2958.8
12°	5251.0	4118.1	3247.8	2909.6	2778.2
13°	5267.4	3983.4	3123.0	2751.9	2597.6
14°	5270.7	3881.6	3008.1	2551.6	2390.7
15°	5257.6	3786.4	2886.6	2371.0	2180.5
16°	5251.0	3687.9	2742.1	2200.2	2029.5
17°	5264.2	3572.9	2577.9	2026.2	1868.6
18°	5267.4	3467.8	2403.8	1894.8	1756.9
19°	5267.4	3385.7	2262.6	1773.3	1655.1
20°	5267.4	3306.9	2118.1	1681.4	1579.6
21°	5260.9	3208.4	1953.9	1586.1	1500.8
22.5°	5264.2	3024.5	1766.8	1474.5	1405.5
23°	5254.3	2978.5	1720.8	1444.9	1372.7
24°	5257.6	2847.2	1622.3	1385.8	1316.9
25°	5260.9	2679.7	1527.0	1326.7	1264.3
26°	5254.3	2545.1	1448.2	1270.9	1228.2
27°	5237.9	2436.7	1392.4	1224.9	1185.5
28°	5214.9	2292.2	1333.3	1185.5	1149.4
29°	5191.9	2128.0	1274.2	1142.8	1116.5
30°	5178.8	1996.6	1218.3	1110.0	1087.0
32.5°	5100.0	1737.2	1103.4	1044.3	1024.6
35°	4952.2	1490.9	1021.3	988.5	975.3
37.5°	4758.4	1300.4	958.9	952.3	955.6
40°	4439.9	1149.4	912.9	942.5	972.0
42.5°	4059.0	1031.2	880.1	952.3	985.2
45°	3579.5	942.5	860.4	952.3	985.2
47.5°	3047.5	870.2	837.4	919.5	952.3
50°	2515.5	804.6	791.4	870.2	899.8
52.5°	2045.9	742.2	732.3	807.8	837.4
55°	1642.0	673.2	663.4	745.5	775.0
57.5°	1316.9	607.5	597.7	673.2	702.8
60°	1050.9	541.9	525.4	601.0	630.5
62.5°	837.4	479.5	469.6	535.3	561.6
65°	656.8	423.6	417.1	476.2	492.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	518.9	371.1	374.4	423.6	443.3
70°	400.6	321.8	341.5	387.5	400.6
72.5°	302.1	272.6	315.3	354.7	371.1
75°	223.3	229.9	289.0	331.7	348.1
77.5°	154.3	190.5	266.0	312.0	328.4
80°	105.1	154.3	243.0	295.6	315.3
82.5°	62.4	128.1	223.3	279.1	302.1
85°	29.6	105.1	203.6	266.0	285.7
87.5°	9.9	85.4	183.9	252.9	269.3
90°	0.0	72.2	170.8	236.4	246.3
92.5°	0.0	62.4	154.3	216.7	223.3
95°	0.0	52.5	141.2	193.8	203.6
97.5°	0.0	49.3	131.4	174.0	187.2
100°	0.0	46.0	118.2	157.6	170.8
102.5°	0.0	39.4	105.1	141.2	154.3
105°	0.0	39.4	92.0	131.4	141.2
107.5°	3.3	36.1	85.4	118.2	131.4
110°	3.3	36.1	75.5	111.7	121.5
112.5°	3.3	36.1	72.2	101.8	114.9
115°	3.3	32.8	69.0	95.2	101.8
117.5°	3.3	32.8	65.7	85.4	92.0
120°	3.3	29.6	62.4	78.8	82.1
122.5°	3.3	29.6	59.1	72.2	75.5
125°	3.3	29.6	59.1	69.0	72.2
127.5°	3.3	26.3	55.8	65.7	65.7
130°	3.3	26.3	52.5	62.4	62.4
132.5°	3.3	23.0	49.3	59.1	62.4
135°	3.3	23.0	46.0	55.8	59.1
137.5°	3.3	19.7	42.7	52.5	55.8
140°	3.3	19.7	39.4	49.3	52.5
142.5°	3.3	16.4	36.1	46.0	49.3
145°	3.3	16.4	32.8	42.7	46.0
147.5°	3.3	16.4	29.6	39.4	42.7
150°	3.3	13.1	26.3	36.1	39.4
152.5°	3.3	13.1	23.0	32.8	36.1
155°	3.3	9.9	19.7	29.6	32.8
157.5°	3.3	9.9	19.7	26.3	29.6
160°	6.6	9.9	16.4	23.0	26.3
162.5°	3.3	6.6	16.4	19.7	23.0
165°	6.6	6.6	13.1	16.4	19.7
167.5°	6.6	6.6	9.9	13.1	16.4
170°	6.6	6.6	9.9	9.9	13.1
172.5°	6.6	6.6	6.6	9.9	6.6
175°	6.6	6.6	6.6	6.6	3.3
177.5°	6.6	6.6	6.6	6.6	3.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.6	6.6	6.6	6.6	6.6

(END OF REPORT)