

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: P567883

Luminaire Tested: **8SNX-62SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567883
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-62SL-LC-UNV-L835-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

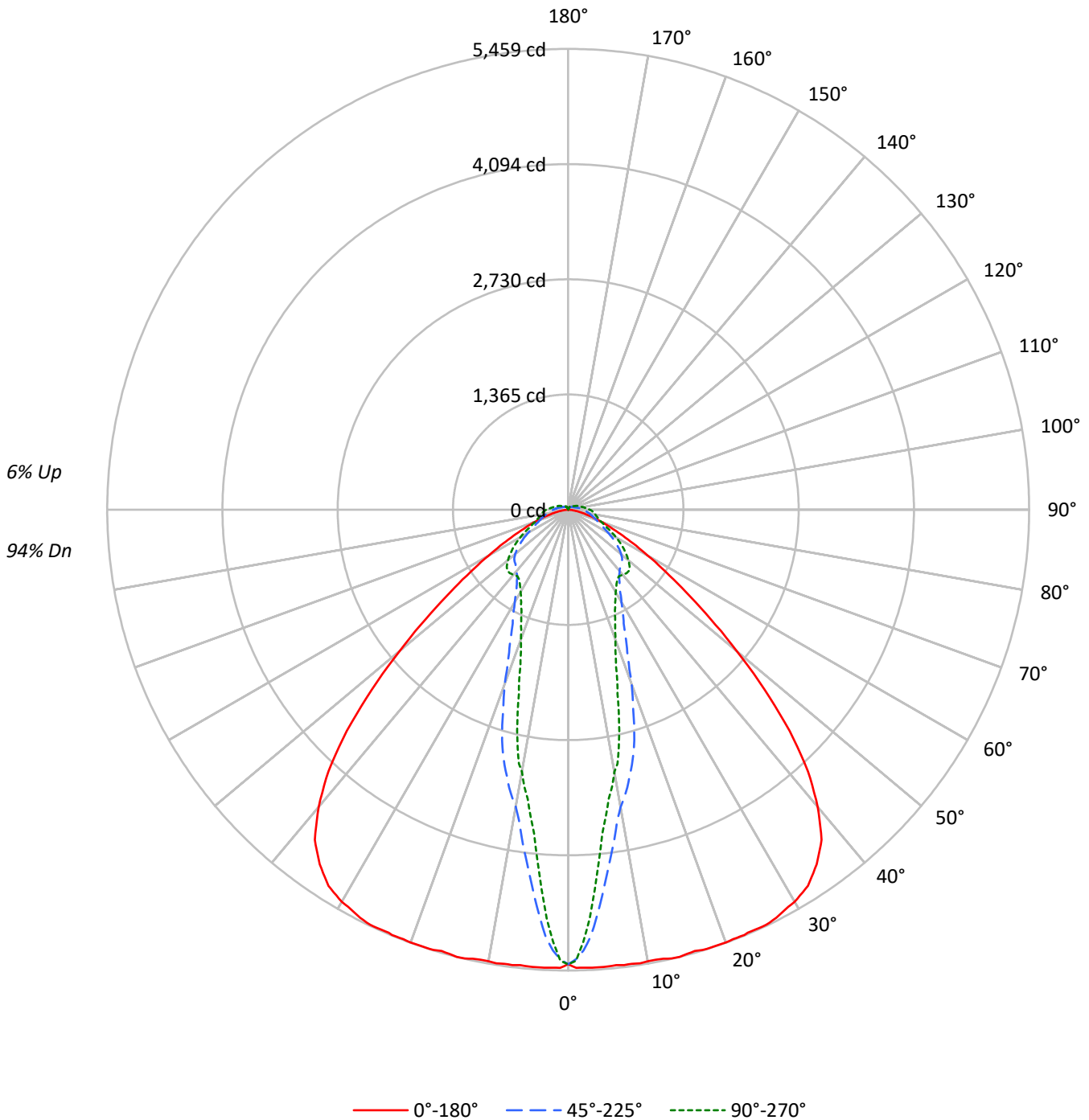
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6636.9 lumens
Efficiency: N/A
Efficacy: 170.2 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): 39
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°	28978	28978	28978
5°	29293	23830	21304
10°	29577	18011	15419
15°	30173	14738	10677
20°	31012	10676	7540
25°	32046	7656	5932
30°	32937	6123	5052
35°	33215	5185	4525
40°	31753	4719	4536
45°	27642	4564	4660
50°	21286	4346	4349
55°	15496	3805	3858
60°	11307	3180	3262
65°	8293	2693	2674
70°	6177	2383	2306
75°	4463	2211	2149
80°	3016	2076	2117
85°	1526	1986	2120



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.4	6.4
10°-20°	919.5	13.9
20°-30°	1052.5	15.9
30°-40°	1054.4	15.9
40°-50°	998.1	15.0
50°-60°	765.5	11.5
60°-70°	493.4	7.4
70°-80°	314.6	4.7
80°-90°	208.9	3.1
90°-100°	140.5	2.1
100°-110°	92.5	1.4
110°-120°	64.3	1.0
120°-130°	44.9	0.7
130°-140°	31.2	0.5
140°-150°	19.1	0.3
150°-160°	9.7	0.1
160°-170°	3.7	0.1
170°-180°	0.7	0.0
0°-30°	2395.4	36.1
0°-40°	3449.8	52.0
0°-60°	5213.4	78.6
0°-90°	6230.3	93.9
90°-120°	297.3	4.5
90°-150°	392.5	5.9
90°-180°	407.0	6.1
0°-180°	6636.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5384	5384	5384	5384	5384	
5°	5432	5133	4599	4289	4173	519
15°	5446	3922	2990	2456	2258	1545
25°	5449	2776	1582	1374	1310	2512
35°	5129	1544	1058	1024	1010	3182
45°	3707	976	891	986	1020	2819
55°	1701	697	687	772	803	1564
65°	680	439	432	493	510	700
75°	231	238	299	344	360	254
85°	31	109	211	276	296	42
90°	0	75	177	245	255	1
95°	0	54	146	201	211	0
105°	0	41	95	136	146	2
115°	3	34	71	99	105	3
125°	3	31	61	71	75	3
135°	3	24	48	58	61	3
145°	3	17	34	44	48	2
155°	3	10	20	31	34	2
165°	7	7	14	17	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°	5384.3	5384.3	5384.3	5384.3	5384.3
1°	5428.5	5397.9	5326.4	5346.8	5343.4
2°	5428.5	5363.8	5224.4	5183.6	5122.4
3°	5431.9	5306.0	5067.9	4935.3	4850.3
4°	5431.9	5221.0	4836.6	4615.6	4506.7
5°	5431.9	5132.6	4598.6	4289.0	4173.4
6°	5425.1	5027.1	4357.1	4030.5	3857.1
7°	5435.3	4911.5	4139.4	3789.0	3653.0
8°	5431.9	4775.4	3938.7	3605.4	3455.7
9°	5442.1	4642.8	3721.0	3431.9	3319.7
10°	5431.9	4520.3	3578.2	3268.6	3153.0
11°	5431.9	4401.3	3476.1	3163.2	3064.6
12°	5438.7	4265.2	3363.9	3013.6	2877.5
13°	5455.7	4125.8	3234.6	2850.3	2690.4
14°	5459.1	4020.3	3115.6	2642.8	2476.1
15°	5445.5	3921.7	2989.7	2455.7	2258.5
16°	5438.7	3819.7	2840.1	2278.9	2102.0
17°	5452.3	3700.6	2670.0	2098.6	1935.3
18°	5455.7	3591.8	2489.8	1962.5	1819.7
19°	5455.7	3506.7	2343.5	1836.7	1714.3
20°	5455.7	3425.1	2193.8	1741.5	1636.0
21°	5448.9	3323.1	2023.8	1642.8	1554.4
22.5°	5452.3	3132.6	1829.9	1527.2	1455.8
23°	5442.1	3085.0	1782.3	1496.6	1421.7
24°	5445.5	2948.9	1680.2	1435.3	1363.9
25°	5448.9	2775.5	1581.6	1374.1	1309.5
26°	5442.1	2636.0	1500.0	1316.3	1272.1
27°	5425.1	2523.8	1442.2	1268.7	1227.9
28°	5401.3	2374.1	1380.9	1227.9	1190.5
29°	5377.5	2204.0	1319.7	1183.7	1156.4
30°	5363.8	2068.0	1261.9	1149.6	1125.8
32.5°	5282.2	1799.3	1142.8	1081.6	1061.2
35°	5129.2	1544.2	1057.8	1023.8	1010.2
37.5°	4928.5	1346.9	993.2	986.4	989.8
40°	4598.6	1190.5	945.6	976.2	1006.8
42.5°	4204.0	1068.0	911.5	986.4	1020.4
45°	3707.4	976.2	891.1	986.4	1020.4
47.5°	3156.4	901.3	867.3	952.4	986.4
50°	2605.4	833.3	819.7	901.3	932.0
52.5°	2119.0	768.7	758.5	836.7	867.3
55°	1700.6	697.3	687.1	772.1	802.7
57.5°	1363.9	629.2	619.0	697.3	727.9
60°	1088.4	561.2	544.2	622.4	653.0
62.5°	867.3	496.6	486.4	554.4	581.6
65°	680.3	438.8	432.0	493.2	510.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	537.4	384.3	387.7	438.8	459.2
70°	415.0	333.3	353.7	401.4	415.0
72.5°	312.9	282.3	326.5	367.3	384.3
75°	231.3	238.1	299.3	343.5	360.5
77.5°	159.9	197.3	275.5	323.1	340.1
80°	108.8	159.9	251.7	306.1	326.5
82.5°	64.6	132.7	231.3	289.1	312.9
85°	30.6	108.8	210.9	275.5	295.9
87.5°	10.2	88.4	190.5	261.9	278.9
90°	0.0	74.8	176.9	244.9	255.1
92.5°	0.0	64.6	159.9	224.5	231.3
95°	0.0	54.4	146.3	200.7	210.9
97.5°	0.0	51.0	136.1	180.3	193.9
100°	0.0	47.6	122.4	163.3	176.9
102.5°	0.0	40.8	108.8	146.3	159.9
105°	0.0	40.8	95.2	136.1	146.3
107.5°	3.4	37.4	88.4	122.4	136.1
110°	3.4	37.4	78.2	115.6	125.8
112.5°	3.4	37.4	74.8	105.4	119.0
115°	3.4	34.0	71.4	98.6	105.4
117.5°	3.4	34.0	68.0	88.4	95.2
120°	3.4	30.6	64.6	81.6	85.0
122.5°	3.4	30.6	61.2	74.8	78.2
125°	3.4	30.6	61.2	71.4	74.8
127.5°	3.4	27.2	57.8	68.0	68.0
130°	3.4	27.2	54.4	64.6	64.6
132.5°	3.4	23.8	51.0	61.2	64.6
135°	3.4	23.8	47.6	57.8	61.2
137.5°	3.4	20.4	44.2	54.4	57.8
140°	3.4	20.4	40.8	51.0	54.4
142.5°	3.4	17.0	37.4	47.6	51.0
145°	3.4	17.0	34.0	44.2	47.6
147.5°	3.4	17.0	30.6	40.8	44.2
150°	3.4	13.6	27.2	37.4	40.8
152.5°	3.4	13.6	23.8	34.0	37.4
155°	3.4	10.2	20.4	30.6	34.0
157.5°	3.4	10.2	20.4	27.2	30.6
160°	6.8	10.2	17.0	23.8	27.2
162.5°	3.4	6.8	17.0	20.4	23.8
165°	6.8	6.8	13.6	17.0	20.4
167.5°	6.8	6.8	10.2	13.6	17.0
170°	6.8	6.8	10.2	10.2	13.6
172.5°	6.8	6.8	6.8	10.2	6.8
175°	6.8	6.8	6.8	6.8	3.4
177.5°	6.8	6.8	6.8	6.8	3.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)