

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: P568131

Luminaire Tested: **8SNX-96SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-96SL-LN-UNV-L835-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

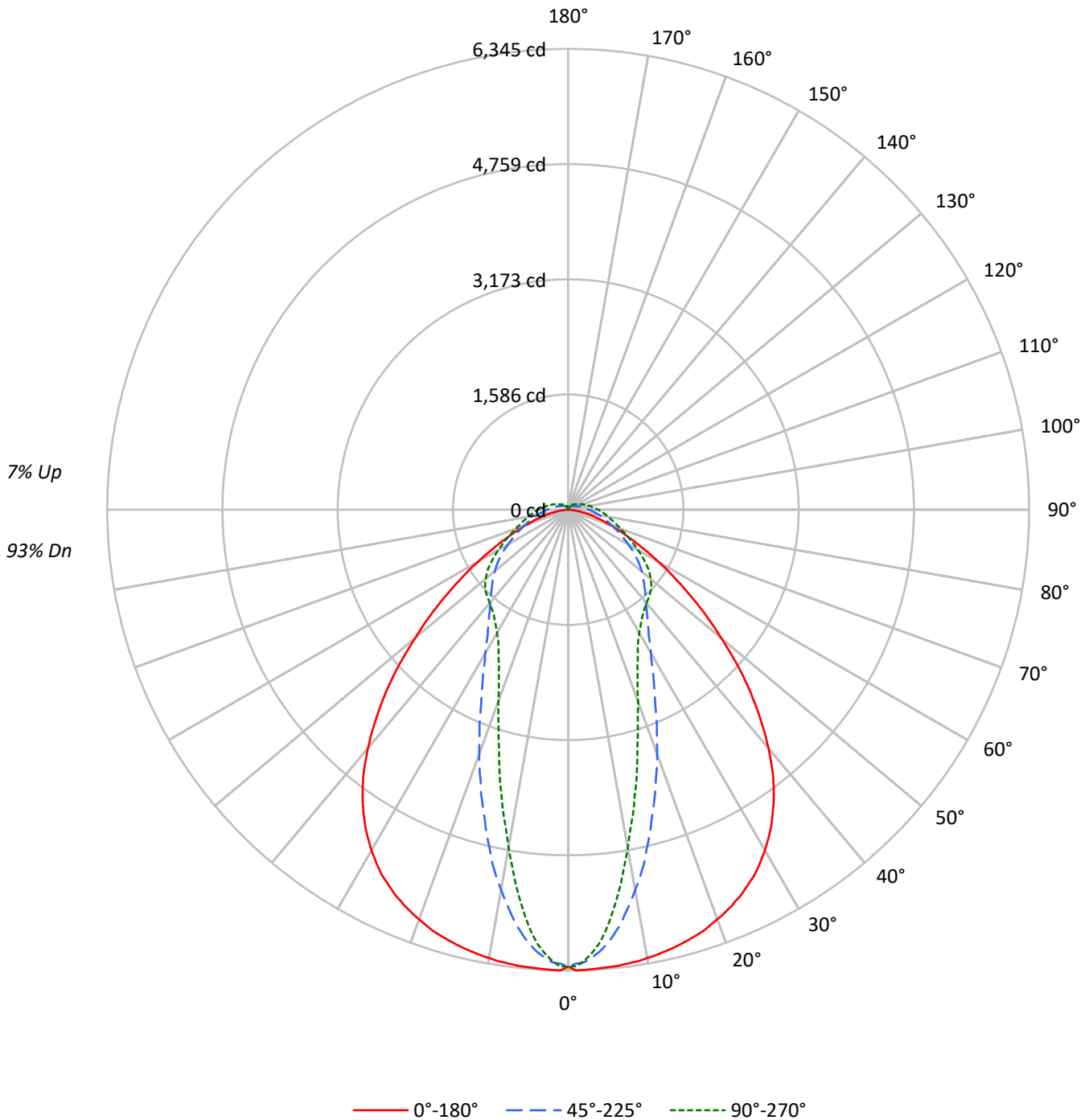
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10031.0 lumens
Efficiency: N/A
Efficacy: 156.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 64.2
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33867	33867	33867
5°	34105	31166	29788
10°	34121	26753	23111
15°	34168	21847	17322
20°	34126	17422	12963
25°	33886	13666	10288
30°	33251	11072	8775
35°	31933	9380	7983
40°	29621	8290	7555
45°	26419	7593	7322
50°	22463	6995	6917
55°	18538	6347	6317
60°	14910	5591	5541
65°	11664	4917	4822
70°	9155	4356	4265
75°	7202	3923	3886
80°	5247	3599	3613
85°	3147	3367	3465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.3	5.6
10°-20°	1306.2	13.0
20°-30°	1550.5	15.5
30°-40°	1560.0	15.6
40°-50°	1450.1	14.5
50°-60°	1194.0	11.9
60°-70°	841.4	8.4
70°-80°	549.7	5.5
80°-90°	350.9	3.5
90°-100°	230.2	2.3
100°-110°	156.2	1.6
110°-120°	107.1	1.1
120°-130°	74.1	0.7
130°-140°	49.9	0.5
140°-150°	30.7	0.3
150°-160°	15.9	0.2
160°-170°	5.8	0.1
170°-180°	1.0	0.0
0°-30°	3414.0	34.0
0°-40°	4974.0	49.6
0°-60°	7618.1	75.9
0°-90°	9360.1	93.3
90°-120°	493.5	4.9
90°-150°	648.2	6.5
90°-180°	671.0	6.7
0°-180°	10031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6293	6293	6293	6293	6293	
5°	6324	6240	6014	5898	5835	602
15°	6167	5509	4432	3874	3664	1741
25°	5762	4258	2823	2371	2271	2651
35°	4931	2881	1914	1793	1782	3067
45°	3543	1898	1482	1561	1603	2720
55°	2034	1246	1146	1272	1314	1838
65°	957	752	789	888	920	971
75°	373	389	531	626	652	404
85°	63	179	358	463	484	79
90°	0	121	289	394	410	4
95°	0	89	242	331	347	0
105°	0	63	163	231	252	0
115°	5	53	116	168	179	5
125°	5	42	95	121	131	5
135°	5	37	74	95	100	4
145°	5	26	53	74	79	3
155°	5	21	37	53	58	2
165°	5	10	21	26	32	2
175°	10	10	10	10	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6292.7	6292.7	6292.7	6292.7	6292.7
1°	6345.3	6319.0	6250.7	6298.0	6287.5
2°	6340.1	6313.8	6234.9	6255.9	6219.1
3°	6334.8	6298.0	6177.1	6171.8	6119.3
4°	6329.5	6271.7	6103.5	6040.4	5998.3
5°	6324.3	6240.2	6014.1	5898.5	5835.4
6°	6319.0	6203.4	5898.5	5725.0	5635.6
7°	6308.5	6145.5	5777.6	5541.0	5425.3
8°	6298.0	6093.0	5625.1	5341.2	5199.3
9°	6287.5	6024.6	5472.6	5125.7	4957.4
10°	6266.5	5956.3	5314.9	4904.9	4726.1
11°	6255.9	5877.4	5162.5	4694.6	4484.3
12°	6234.9	5793.3	4999.5	4473.8	4289.8
13°	6213.9	5704.0	4799.7	4284.5	4063.7
14°	6192.9	5609.3	4626.2	4074.3	3869.2
15°	6166.6	5509.4	4431.7	3874.5	3664.2
16°	6140.3	5393.8	4258.2	3669.5	3448.7
17°	6114.0	5283.4	4095.3	3480.2	3280.4
18°	6082.5	5173.0	3906.0	3296.2	3101.7
19°	6040.4	5046.8	3753.6	3128.0	2949.2
20°	6003.6	4931.2	3580.1	2970.3	2812.5
21°	5961.5	4789.2	3406.6	2823.1	2665.3
22.5°	5898.5	4589.4	3185.8	2639.1	2491.9
23°	5866.9	4531.6	3096.4	2570.7	2444.6
24°	5824.9	4379.2	2949.2	2465.6	2339.4
25°	5761.8	4258.2	2823.1	2371.0	2271.1
26°	5704.0	4111.1	2696.9	2286.8	2187.0
27°	5646.1	3969.1	2586.5	2197.5	2113.4
28°	5572.5	3821.9	2465.6	2123.9	2050.3
29°	5493.7	3685.2	2365.7	2060.8	2003.0
30°	5414.8	3532.8	2281.6	2003.0	1955.6
32.5°	5194.0	3196.3	2066.0	1892.6	1861.0
35°	4931.2	2880.9	1913.6	1792.7	1782.2
37.5°	4636.8	2591.7	1776.9	1713.8	1724.3
40°	4289.8	2328.9	1661.2	1656.0	1677.0
42.5°	3921.8	2102.8	1571.9	1608.7	1640.2
45°	3543.3	1897.8	1482.5	1561.4	1603.4
47.5°	3149.0	1719.1	1403.6	1503.5	1550.8
50°	2749.5	1545.6	1319.5	1435.2	1482.5
52.5°	2392.0	1393.1	1235.4	1356.3	1408.9
55°	2034.5	1245.9	1146.0	1272.2	1314.3
57.5°	1724.3	1109.2	1051.4	1177.6	1209.1
60°	1435.2	977.8	956.8	1072.4	1109.2
62.5°	1172.3	862.2	867.4	977.8	1014.6
65°	956.8	751.8	788.6	888.4	920.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	778.1	646.6	709.7	814.9	841.1
70°	615.1	552.0	646.6	741.3	767.5
72.5°	488.9	467.9	583.5	683.4	704.5
75°	373.3	389.0	531.0	625.6	651.9
77.5°	268.1	325.9	478.4	578.3	599.3
80°	189.3	268.1	436.3	536.2	557.3
82.5°	120.9	220.8	394.3	499.4	520.5
85°	63.1	178.7	357.5	462.6	483.7
87.5°	26.3	147.2	320.7	425.8	446.9
90°	0.0	120.9	289.1	394.3	410.1
92.5°	0.0	105.1	262.9	362.7	378.5
95°	0.0	89.4	241.8	331.2	347.0
97.5°	0.0	84.1	215.5	304.9	320.7
100°	0.0	73.6	194.5	278.6	299.7
102.5°	0.0	68.3	178.7	252.3	273.4
105°	0.0	63.1	163.0	231.3	252.3
107.5°	0.0	57.8	152.5	215.5	231.3
110°	0.0	57.8	136.7	199.8	215.5
112.5°	5.3	52.6	126.2	178.7	194.5
115°	5.3	52.6	115.7	168.2	178.7
117.5°	5.3	52.6	110.4	152.5	163.0
120°	5.3	47.3	105.1	141.9	152.5
122.5°	5.3	47.3	99.9	131.4	136.7
125°	5.3	42.1	94.6	120.9	131.4
127.5°	5.3	42.1	89.4	115.7	120.9
130°	5.3	42.1	84.1	105.1	115.7
132.5°	5.3	36.8	78.9	99.9	105.1
135°	5.3	36.8	73.6	94.6	99.9
137.5°	5.3	31.5	68.3	89.4	94.6
140°	5.3	31.5	63.1	84.1	89.4
142.5°	5.3	26.3	57.8	78.9	84.1
145°	5.3	26.3	52.6	73.6	78.9
147.5°	5.3	26.3	47.3	68.3	73.6
150°	5.3	21.0	42.1	63.1	68.3
152.5°	5.3	21.0	36.8	57.8	63.1
155°	5.3	21.0	36.8	52.6	57.8
157.5°	5.3	15.8	31.5	42.1	52.6
160°	5.3	15.8	26.3	36.8	47.3
162.5°	5.3	15.8	26.3	31.5	36.8
165°	5.3	10.5	21.0	26.3	31.5
167.5°	5.3	10.5	15.8	21.0	26.3
170°	5.3	10.5	15.8	15.8	21.0
172.5°	5.3	10.5	10.5	10.5	10.5
175°	10.5	10.5	10.5	10.5	5.3
177.5°	10.5	10.5	10.5	5.3	5.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)