

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: P566031

Luminaire Tested: **4SNX-104HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-104HL-UNV-L835-CD
Description: 4FT 10400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

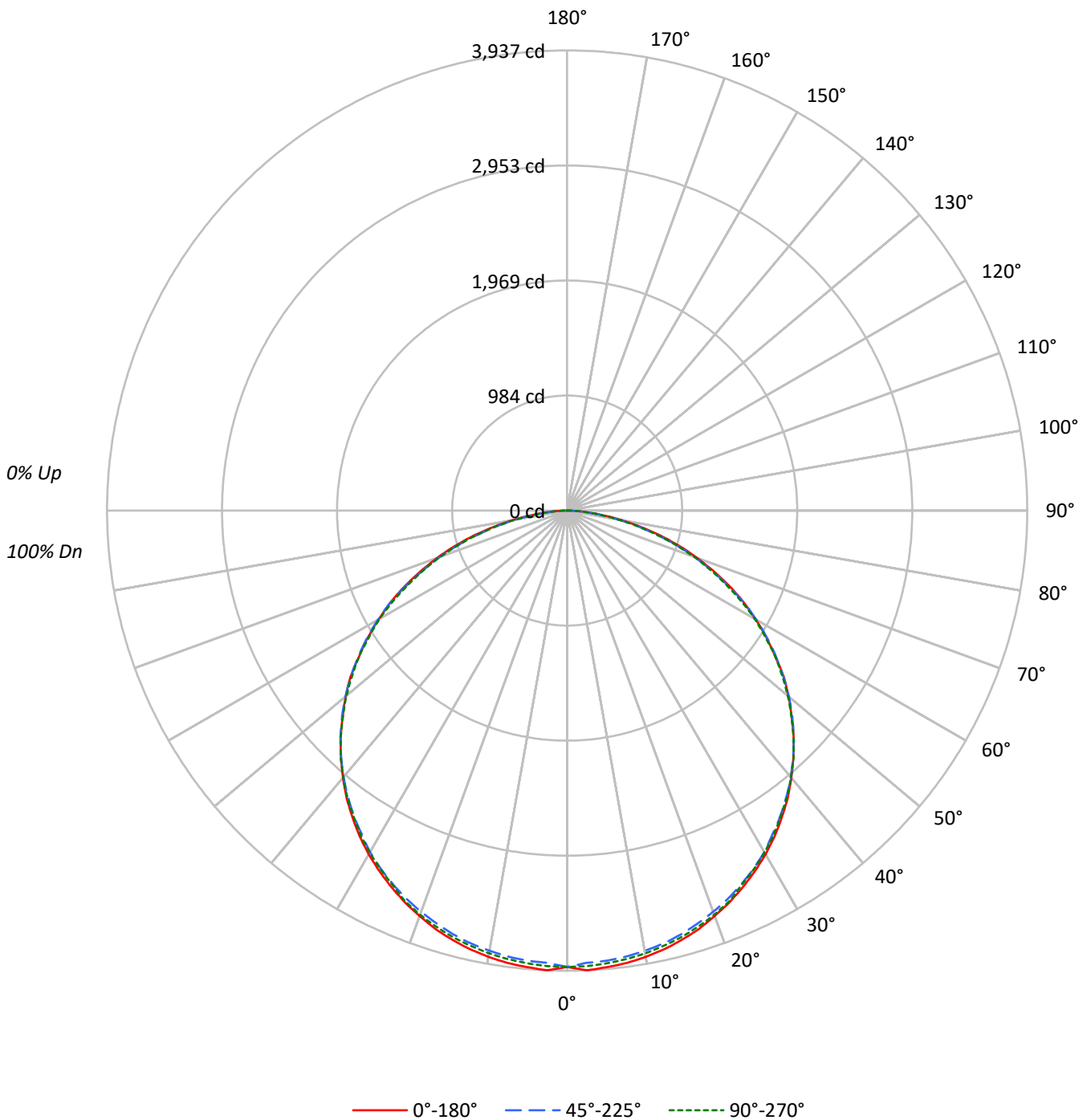
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11686.0 lumens
Efficiency: N/A
Efficacy: 154.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 75.5
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42021	42021	42021
5°	42360	41771	42021
10°	42381	41803	42038
15°	42362	41847	42086
20°	42277	41842	42144
25°	42225	41891	41970
30°	42197	41931	41972
35°	42094	41834	41898
40°	41925	41832	41855
45°	41697	41772	41697
50°	41415	41497	41276
55°	40770	40988	40770
60°	40083	40261	39904
65°	39091	38627	38207
70°	37228	36397	36293
75°	34352	32705	32842
80°	29394	27547	28061
85°	21835	21428	19995



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.5	3.2
10°-20°	1067.5	9.1
20°-30°	1634.2	14.0
30°-40°	1999.1	17.1
40°-50°	2114.4	18.1
50°-60°	1948.2	16.7
60°-70°	1499.5	12.8
70°-80°	842.4	7.2
80°-90°	210.2	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3072.2	26.3
0°-40°	5071.3	43.4
0°-60°	9134.0	78.2
0°-90°	11686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3904	3904	3904	3904	3904	
5°	3920	3909	3866	3901	3889	373
15°	3802	3792	3755	3788	3777	1073
25°	3555	3552	3527	3552	3534	1640
35°	3203	3198	3184	3198	3188	2005
45°	2739	2747	2744	2738	2739	2112
55°	2172	2192	2184	2178	2172	1946
65°	1535	1538	1517	1495	1500	1514
75°	826	813	786	775	790	870
85°	177	174	174	168	162	218
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3903.9	3903.9	3903.9	3903.9	3903.9
2.5°	3936.9	3915.5	3872.5	3910.5	3900.6
5°	3920.4	3908.9	3865.9	3900.6	3889.0
7.5°	3903.9	3890.7	3849.4	3887.4	3870.9
10°	3877.5	3865.9	3824.6	3860.9	3846.1
12.5°	3842.8	3832.9	3794.9	3829.6	3814.7
15°	3801.5	3791.6	3755.2	3788.2	3776.7
17.5°	3751.9	3740.3	3705.6	3740.3	3732.1
20°	3690.8	3684.2	3652.8	3684.2	3679.2
22.5°	3628.0	3619.7	3595.0	3618.1	3619.7
25°	3555.3	3552.0	3527.2	3552.0	3533.8
27.5°	3479.3	3479.3	3454.5	3471.0	3459.5
30°	3395.0	3393.4	3373.6	3381.8	3376.9
32.5°	3304.2	3302.5	3276.1	3297.6	3289.3
35°	3203.4	3198.5	3183.6	3198.5	3188.5
37.5°	3099.3	3094.4	3082.8	3091.1	3089.4
40°	2983.7	2983.7	2977.1	2983.7	2978.7
42.5°	2864.7	2869.7	2861.4	2868.0	2868.0
45°	2739.2	2747.4	2744.1	2737.5	2739.2
47.5°	2605.3	2620.2	2612.0	2610.3	2602.0
50°	2473.2	2486.4	2478.1	2469.9	2464.9
52.5°	2336.1	2342.7	2332.8	2329.5	2317.9
55°	2172.5	2192.3	2184.1	2177.5	2172.5
57.5°	2022.2	2037.0	2030.4	2017.2	2008.9
60°	1861.9	1873.5	1870.2	1855.3	1853.6
62.5°	1705.0	1708.3	1705.0	1678.5	1680.2
65°	1534.8	1538.1	1516.6	1495.1	1500.1
67.5°	1356.4	1366.3	1336.5	1305.2	1326.6
70°	1182.9	1179.6	1156.5	1121.8	1153.2
72.5°	1004.5	1001.2	974.7	950.0	971.4
75°	826.0	812.8	786.4	774.8	789.7
77.5°	641.0	626.1	614.6	606.3	612.9
80°	474.2	454.3	444.4	437.8	452.7
82.5°	315.5	300.7	295.7	300.7	297.4
85°	176.8	173.5	173.5	168.5	161.9
87.5°	72.7	76.0	77.6	76.0	72.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)