

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: P566080

Luminaire Tested: **4SNX-116HL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566080
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-116HL-UNV-L840-CD
Description: 4FT 11600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

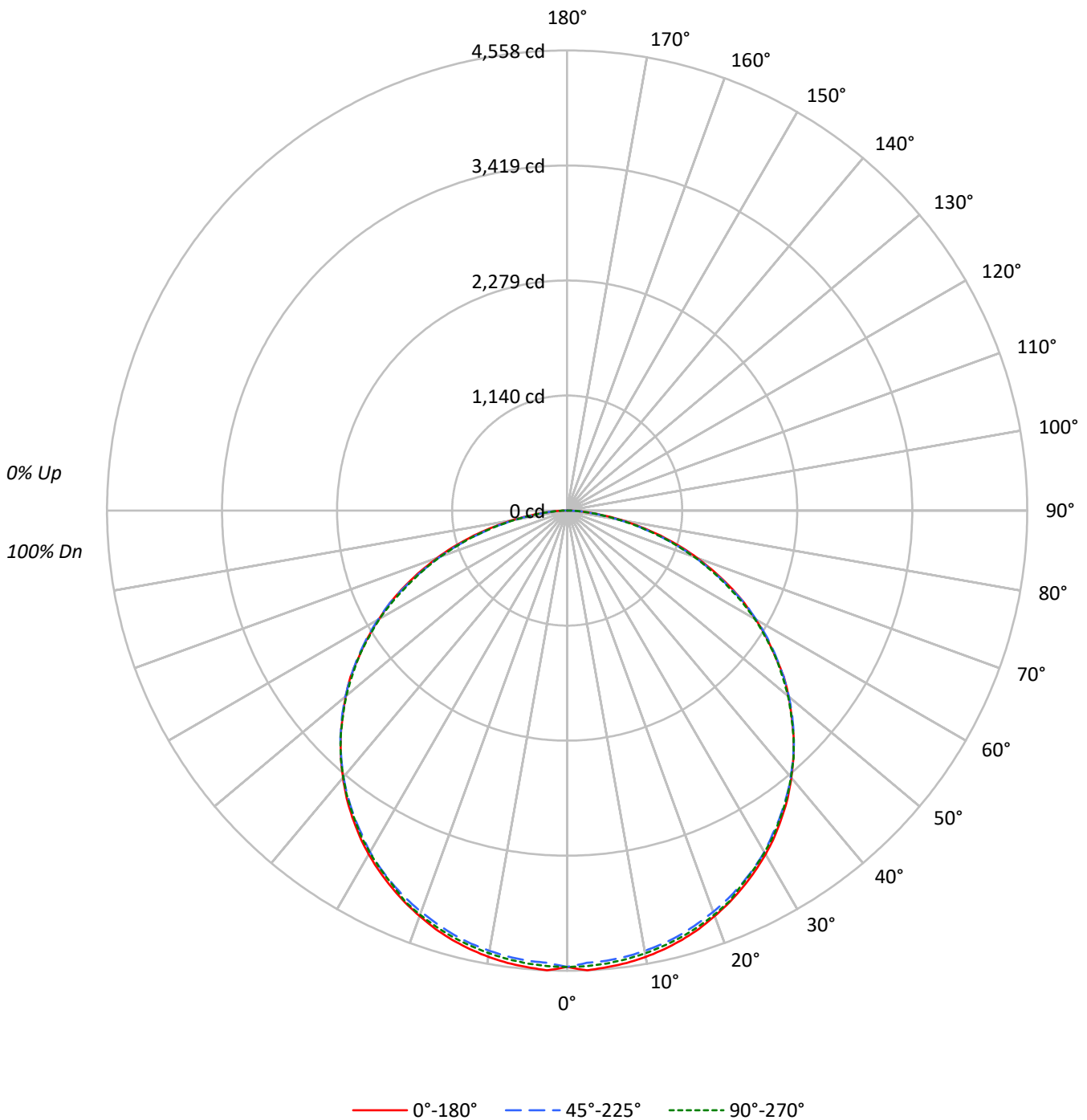
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13531.0 lumens
Efficiency: N/A
Efficacy: 158.4 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): 85.4
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

TEST NUMBER: P566080
CATALOG NUMBER: 4SNX-116HL-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566080

CATALOG NUMBER: 4SNX-116HL-UNV-L840-CD

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°	48655	48655	48655
5°	49048	48365	48655
10°	49071	48402	48674
15°	49050	48454	48731
20°	48952	48448	48798
25°	48891	48505	48597
30°	48860	48551	48598
35°	48740	48438	48513
40°	48543	48436	48463
45°	48280	48368	48280
50°	47955	48050	47794
55°	47207	47458	47207
60°	46412	46616	46205
65°	45262	44727	44238
70°	43107	42140	42021
75°	39779	37871	38029
80°	34031	31898	32487
85°	25281	24812	23157



TEST NUMBER: P566080

CATALOG NUMBER: 4SNX-116HL-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.0	3.2
10°-20°	1236.0	9.1
20°-30°	1892.2	14.0
30°-40°	2314.7	17.1
40°-50°	2448.2	18.1
50°-60°	2255.8	16.7
60°-70°	1736.2	12.8
70°-80°	975.4	7.2
80°-90°	243.4	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°	3557.2	26.3
0°-40°	5872.0	43.4
0°-60°	10576.0	78.2
0°-90°	13531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4520	4520	4520	4520	4520	
5°	4539	4526	4476	4516	4503	432
15°	4402	4390	4348	4386	4373	1243
25°	4117	4113	4084	4113	4092	1899
35°	3709	3703	3686	3703	3692	2321
45°	3172	3181	3177	3170	3172	2446
55°	2516	2538	2529	2521	2516	2253
65°	1777	1781	1756	1731	1737	1753
75°	956	941	911	897	914	1007
85°	205	201	201	195	188	253
90°	0	0	0	0	0	



TEST NUMBER: P566080

CATALOG NUMBER: 4SNX-116HL-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4520.2	4520.2	4520.2	4520.2	4520.2
2.5°	4558.5	4533.6	4483.9	4527.9	4516.4
5°	4539.4	4526.0	4476.2	4516.4	4503.0
7.5°	4520.2	4504.9	4457.1	4501.1	4482.0
10°	4489.6	4476.2	4428.4	4470.5	4453.3
12.5°	4449.5	4438.0	4394.0	4434.2	4416.9
15°	4401.6	4390.2	4348.1	4386.3	4373.0
17.5°	4344.3	4330.9	4290.7	4330.9	4321.3
20°	4273.5	4265.8	4229.5	4265.8	4260.1
22.5°	4200.8	4191.2	4162.5	4189.3	4191.2
25°	4116.6	4112.8	4084.1	4112.8	4091.8
27.5°	4028.6	4028.6	3999.9	4019.1	4005.7
30°	3931.1	3929.2	3906.2	3915.8	3910.0
32.5°	3825.9	3823.9	3793.3	3818.2	3808.6
35°	3709.2	3703.4	3686.2	3703.4	3691.9
37.5°	3588.7	3582.9	3569.5	3579.1	3577.2
40°	3454.7	3454.7	3447.1	3454.7	3449.0
42.5°	3317.0	3322.8	3313.2	3320.8	3320.8
45°	3171.6	3181.2	3177.4	3169.7	3171.6
47.5°	3016.7	3033.9	3024.3	3022.4	3012.9
50°	2863.7	2879.0	2869.4	2859.8	2854.1
52.5°	2704.9	2712.5	2701.1	2697.2	2683.8
55°	2515.5	2538.5	2528.9	2521.2	2515.5
57.5°	2341.4	2358.6	2351.0	2335.7	2326.1
60°	2155.9	2169.3	2165.4	2148.2	2146.3
62.5°	1974.1	1978.0	1974.1	1943.5	1945.4
65°	1777.1	1780.9	1756.1	1731.2	1736.9
67.5°	1570.5	1582.0	1547.6	1511.2	1536.1
70°	1369.7	1365.8	1339.0	1298.9	1335.2
72.5°	1163.1	1159.2	1128.6	1099.9	1124.8
75°	956.5	941.2	910.6	897.2	914.4
77.5°	742.2	725.0	711.6	702.0	709.7
80°	549.0	526.1	514.6	506.9	524.1
82.5°	365.4	348.2	342.4	348.2	344.3
85°	204.7	200.9	200.9	195.1	187.5
87.5°	84.2	88.0	89.9	88.0	84.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)