

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: P567484

Luminaire Tested: **8SNX-162HL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567484  
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: 8SNX-162HL-UNV-L840-CD  
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

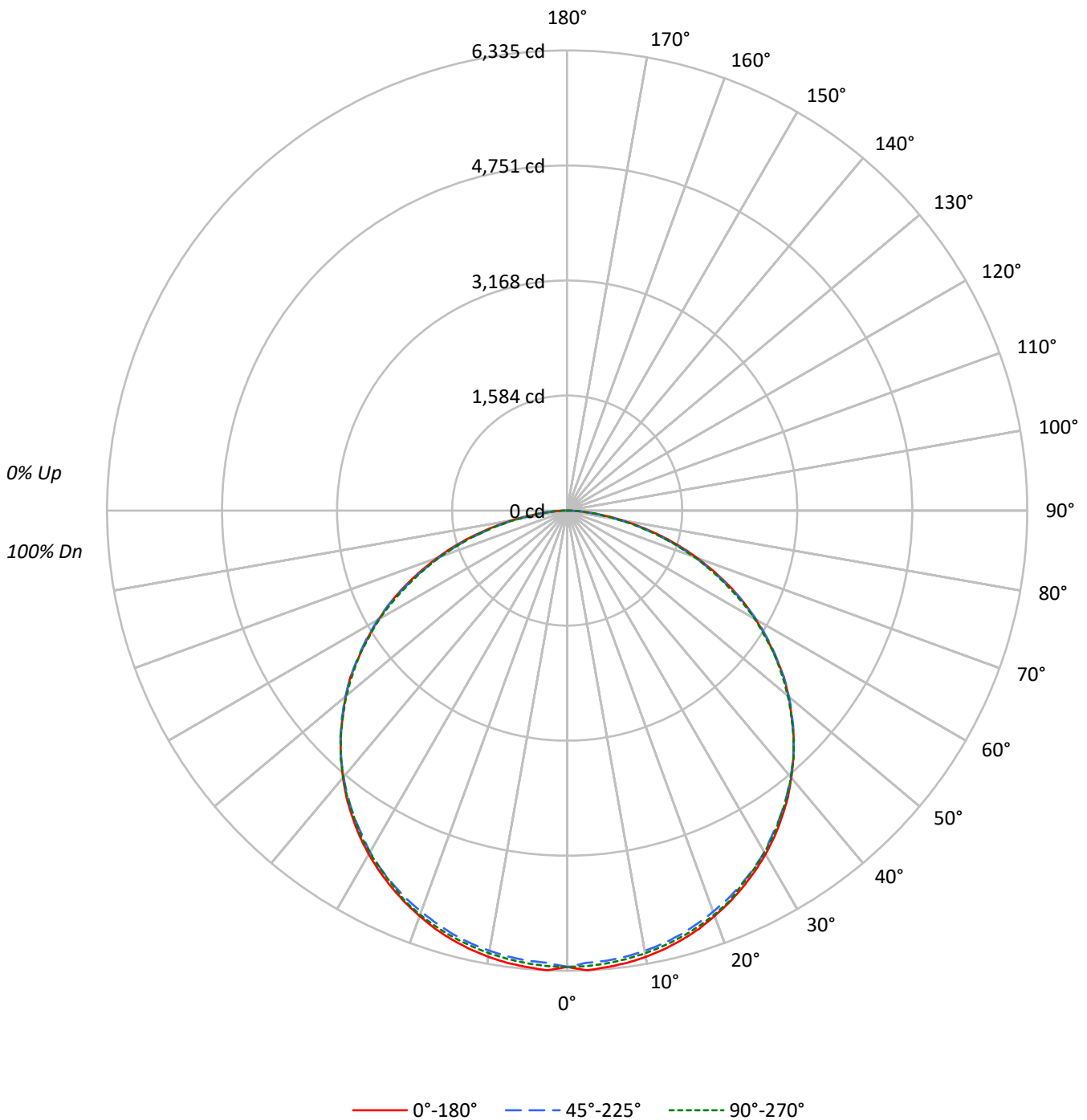
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18803.0 lumens  
Efficiency: N/A  
Efficacy: 170.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 110.2  
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	33806	33806	33806
5°	34079	33605	33806
10°	34095	33630	33820
15°	34081	33666	33859
20°	34012	33662	33905
25°	33971	33702	33765
30°	33948	33733	33767
35°	33865	33655	33708
40°	33729	33654	33673
45°	33546	33607	33546
50°	33319	33386	33208
55°	32800	32974	32800
60°	32247	32390	32104
65°	31449	31077	30738
70°	29950	29281	29198
75°	27638	26311	26421
80°	23645	22163	22576
85°	17562	17235	16086



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	596.1	3.2
10°-20°	1717.6	9.1
20°-30°	2629.5	14.0
30°-40°	3216.6	17.1
40°-50°	3402.2	18.1
50°-60°	3134.7	16.7
60°-70°	2412.7	12.8
70°-80°	1355.5	7.2
80°-90°	338.1	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°	4943.2	26.3
0°-40°	8159.8	43.4
0°-60°	14696.7	78.2
0°-90°	18803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18803.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6281	6281	6281	6281	6281	
5°	6308	6289	6220	6276	6258	600
15°	6117	6101	6042	6095	6077	1727
25°	5721	5715	5675	5715	5686	2638
35°	5154	5146	5122	5146	5130	3225
45°	4407	4421	4415	4405	4407	3399
55°	3496	3528	3514	3504	3496	3131
65°	2470	2475	2440	2406	2414	2436
75°	1329	1308	1265	1247	1271	1400
85°	284	279	279	271	260	351
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6281.4	6281.4	6281.4	6281.4	6281.4
2.5°	6334.6	6300.0	6230.9	6292.1	6276.1
5°	6308.0	6289.4	6220.3	6276.1	6257.5
7.5°	6281.4	6260.2	6193.7	6254.9	6228.3
10°	6238.9	6220.3	6153.8	6212.3	6188.4
12.5°	6183.1	6167.1	6106.0	6161.8	6137.9
15°	6116.6	6100.7	6042.2	6095.4	6076.8
17.5°	6036.9	6018.3	5962.5	6018.3	6005.0
20°	5938.5	5927.9	5877.4	5927.9	5919.9
22.5°	5837.5	5824.2	5784.3	5821.6	5824.2
25°	5720.6	5715.2	5675.4	5715.2	5686.0
27.5°	5598.3	5598.3	5558.4	5585.0	5566.4
30°	5462.7	5460.0	5428.1	5441.4	5433.5
32.5°	5316.5	5313.8	5271.3	5305.9	5292.6
35°	5154.3	5146.4	5122.4	5146.4	5130.4
37.5°	4986.9	4978.9	4960.3	4973.6	4970.9
40°	4800.8	4800.8	4790.2	4800.8	4792.8
42.5°	4609.4	4617.4	4604.1	4614.7	4614.7
45°	4407.4	4420.7	4415.4	4404.7	4407.4
47.5°	4192.1	4216.0	4202.7	4200.0	4186.7
50°	3979.4	4000.7	3987.4	3974.1	3966.1
52.5°	3758.8	3769.4	3753.4	3748.1	3729.5
55°	3495.6	3527.5	3514.2	3503.6	3495.6
57.5°	3253.7	3277.6	3267.0	3245.7	3232.4
60°	2995.8	3014.5	3009.1	2985.2	2982.6
62.5°	2743.3	2748.6	2743.3	2700.8	2703.4
65°	2469.5	2474.8	2440.3	2405.7	2413.7
67.5°	2182.4	2198.4	2150.5	2100.0	2134.6
70°	1903.3	1898.0	1860.8	1805.0	1855.5
72.5°	1616.2	1610.9	1568.4	1528.5	1563.1
75°	1329.1	1307.9	1265.3	1246.7	1270.6
77.5°	1031.4	1007.5	988.9	975.6	986.2
80°	762.9	731.0	715.1	704.4	728.4
82.5°	507.7	483.8	475.8	483.8	478.5
85°	284.4	279.1	279.1	271.1	260.5
87.5°	117.0	122.3	124.9	122.3	117.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)