

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: P567483

Luminaire Tested: **8SNX-162HL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

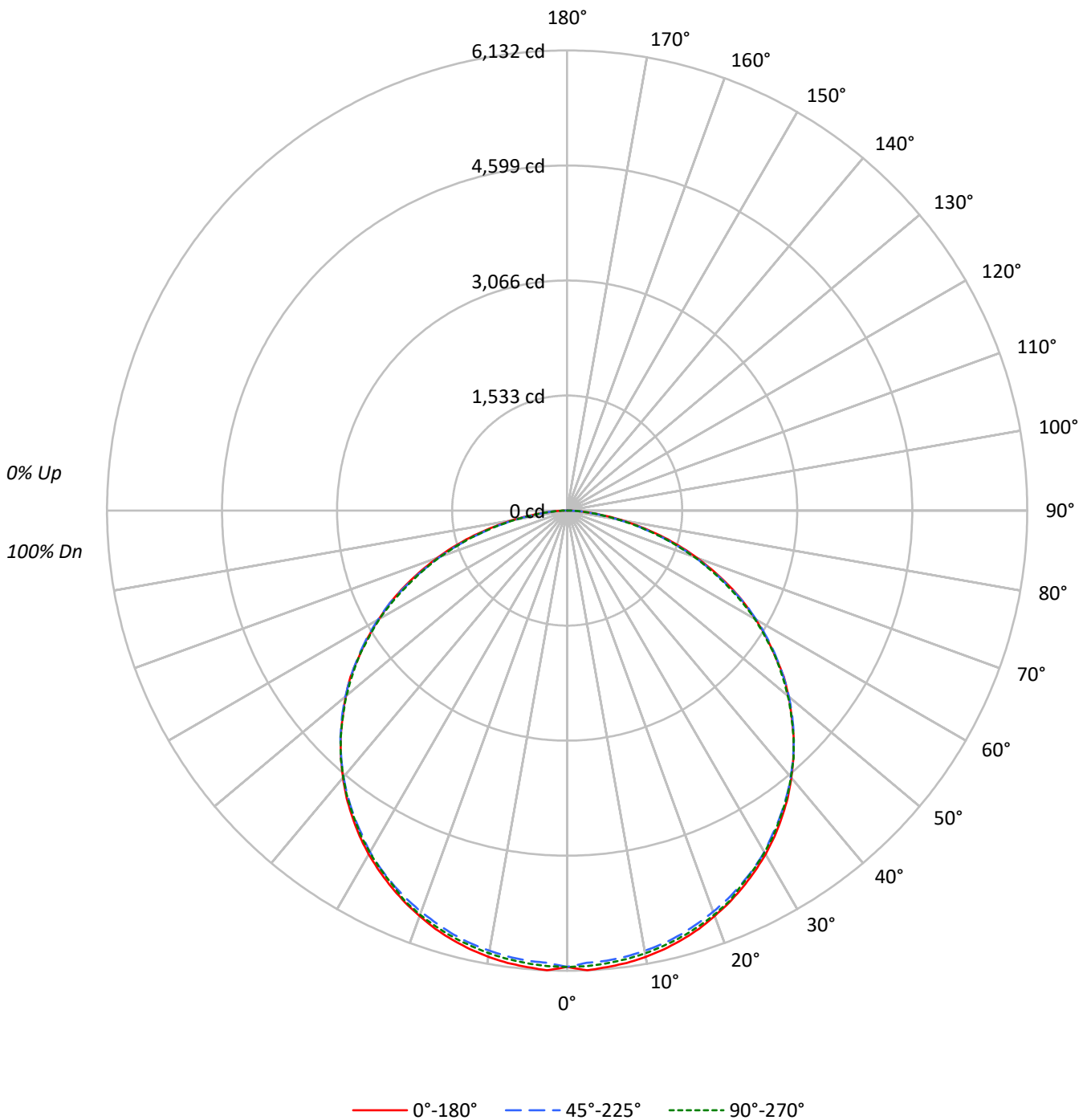
Test Method: LM-79-08  
Report Number: P567483  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-162HL-UNV-L835-CD  
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18201.0 lumens  
Efficiency: N/A  
Efficacy: 165.2 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

TEST NUMBER: P567483  
CATALOG NUMBER: 8SNX-162HL-UNV-L835-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567483

CATALOG NUMBER: 8SNX-162HL-UNV-L835-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°	32724	32724	32724
5°	32988	32530	32724
10°	33004	32554	32737
15°	32990	32588	32775
20°	32923	32584	32820
25°	32883	32623	32685
30°	32861	32654	32685
35°	32780	32577	32629
40°	32649	32577	32595
45°	32472	32530	32472
50°	32252	32317	32144
55°	31750	31919	31750
60°	31214	31353	31076
65°	30441	30081	29754
70°	28992	28343	28263
75°	26754	25469	25577
80°	22889	21454	21850
85°	17000	16685	15574



TEST NUMBER: P567483

CATALOG NUMBER: 8SNX-162HL-UNV-L835-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	577.0	3.2
10°-20°	1662.6	9.1
20°-30°	2545.3	14.0
30°-40°	3113.6	17.1
40°-50°	3293.2	18.1
50°-60°	3034.4	16.7
60°-70°	2335.4	12.8
70°-80°	1312.1	7.2
80°-90°	327.3	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°	4785.0	26.3
0°-40°	7898.6	43.4
0°-60°	14226.2	78.2
0°-90°	18201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18201.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6080	6080	6080	6080	6080	
5°	6106	6088	6021	6075	6057	581
15°	5921	5905	5849	5900	5882	1671
25°	5537	5532	5494	5532	5504	2554
35°	4989	4982	4958	4982	4966	3122
45°	4266	4279	4274	4264	4266	3290
55°	3384	3415	3402	3391	3384	3030
65°	2390	2396	2362	2329	2336	2358
75°	1287	1266	1225	1207	1230	1355
85°	275	270	270	262	252	340
90°	0	0	0	0	0	



TEST NUMBER: P567483

CATALOG NUMBER: 8SNX-162HL-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6080.3	6080.3	6080.3	6080.3	6080.3
2.5°	6131.8	6098.3	6031.4	6090.6	6075.2
5°	6106.1	6088.1	6021.2	6075.2	6057.2
7.5°	6080.3	6059.7	5995.4	6054.6	6028.9
10°	6039.2	6021.2	5956.8	6013.4	5990.3
12.5°	5985.1	5969.7	5910.5	5964.5	5941.4
15°	5920.8	5905.4	5848.8	5900.2	5882.2
17.5°	5843.6	5825.6	5771.6	5825.6	5812.7
20°	5748.4	5738.1	5689.2	5738.1	5730.4
22.5°	5650.6	5637.8	5599.2	5635.2	5637.8
25°	5537.4	5532.3	5493.7	5532.3	5504.0
27.5°	5419.0	5419.0	5380.4	5406.2	5388.2
30°	5287.8	5285.2	5254.4	5267.2	5259.5
32.5°	5146.3	5143.7	5102.5	5136.0	5123.1
35°	4989.3	4981.6	4958.4	4981.6	4966.2
37.5°	4827.2	4819.5	4801.5	4814.3	4811.8
40°	4647.1	4647.1	4636.8	4647.1	4639.4
42.5°	4461.8	4469.5	4456.7	4467.0	4467.0
45°	4266.3	4279.1	4274.0	4263.7	4266.3
47.5°	4057.8	4081.0	4068.1	4065.6	4052.7
50°	3852.0	3872.6	3859.7	3846.8	3839.1
52.5°	3638.4	3648.7	3633.3	3628.1	3610.1
55°	3383.7	3414.6	3401.7	3391.4	3383.7
57.5°	3149.5	3172.7	3162.4	3141.8	3128.9
60°	2899.9	2917.9	2912.8	2889.6	2887.1
62.5°	2655.5	2660.6	2655.5	2614.3	2616.9
65°	2390.4	2395.6	2362.1	2328.7	2336.4
67.5°	2112.5	2128.0	2081.7	2032.8	2066.2
70°	1842.4	1837.2	1801.2	1747.2	1796.1
72.5°	1564.5	1559.3	1518.2	1479.6	1513.0
75°	1286.6	1266.0	1224.8	1206.8	1230.0
77.5°	998.4	975.2	957.2	944.3	954.6
80°	738.5	707.6	692.2	681.9	705.0
82.5°	491.5	468.3	460.6	468.3	463.2
85°	275.3	270.2	270.2	262.5	252.2
87.5°	113.2	118.4	120.9	118.4	113.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)