

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: P567482

Luminaire Tested: **8SNX-162HL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567482
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-L830-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

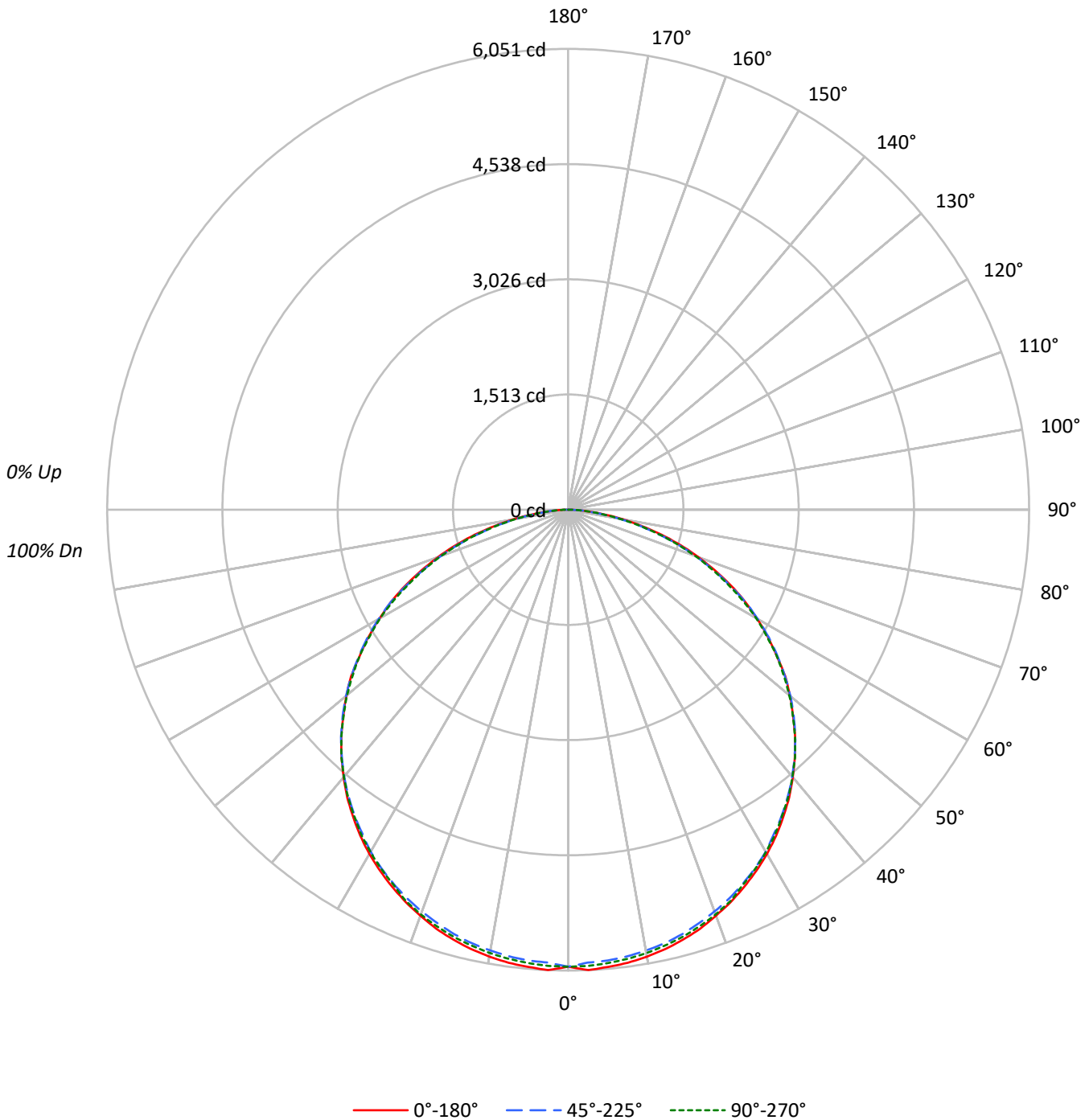
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17961.0 lumens
Efficiency: N/A
Efficacy: 163.0 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	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°	32293	32293	32293
5°	32553	32101	32292
10°	32569	32125	32305
15°	32554	32158	32342
20°	32489	32155	32387
25°	32449	32193	32253
30°	32428	32223	32254
35°	32348	32148	32198
40°	32218	32147	32165
45°	32043	32101	32043
50°	31827	31890	31721
55°	31331	31497	31331
60°	30803	30940	30666
65°	30040	29685	29361
70°	28609	27969	27890
75°	26400	25134	25238
80°	22588	21169	21562
85°	16778	16463	15364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.4	3.2
10°-20°	1640.7	9.1
20°-30°	2511.7	14.0
30°-40°	3072.6	17.1
40°-50°	3249.8	18.1
50°-60°	2994.4	16.7
60°-70°	2304.6	12.8
70°-80°	1294.8	7.2
80°-90°	323.0	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°	4721.9	26.3
0°-40°	7794.4	43.4
0°-60°	14038.6	78.2
0°-90°	17961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6000	6000	6000	6000	6000	
5°	6026	6008	5942	5995	5977	573
15°	5843	5828	5772	5822	5805	1649
25°	5464	5459	5421	5459	5431	2520
35°	4924	4916	4893	4916	4901	3081
45°	4210	4223	4218	4208	4210	3246
55°	3339	3370	3357	3347	3339	2990
65°	2359	2364	2331	2298	2306	2327
75°	1270	1249	1209	1191	1214	1337
85°	272	267	267	259	249	335
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6000.2	6000.2	6000.2	6000.2	6000.2
2.5°	6050.9	6017.9	5951.9	6010.3	5995.1
5°	6025.6	6007.8	5941.8	5995.1	5977.3
7.5°	6000.2	5979.8	5916.4	5974.8	5949.4
10°	5959.5	5941.8	5878.3	5934.1	5911.3
12.5°	5906.2	5891.0	5832.6	5885.9	5863.0
15°	5842.7	5827.5	5771.6	5822.4	5804.6
17.5°	5766.6	5748.8	5695.5	5748.8	5736.1
20°	5672.6	5662.4	5614.2	5662.4	5654.8
22.5°	5576.1	5563.4	5525.3	5560.9	5563.4
25°	5464.4	5459.3	5421.2	5459.3	5431.4
27.5°	5347.6	5347.6	5309.5	5334.9	5317.1
30°	5218.1	5215.5	5185.1	5197.8	5190.1
32.5°	5078.4	5075.9	5035.3	5068.3	5055.6
35°	4923.5	4915.9	4893.1	4915.9	4900.7
37.5°	4763.6	4755.9	4738.2	4750.9	4748.3
40°	4585.8	4585.8	4575.7	4585.8	4578.2
42.5°	4403.0	4410.6	4397.9	4408.1	4408.1
45°	4210.0	4222.7	4217.6	4207.5	4210.0
47.5°	4004.3	4027.2	4014.5	4012.0	3999.3
50°	3801.2	3821.5	3808.8	3796.1	3788.5
52.5°	3590.4	3600.6	3585.4	3580.3	3562.5
55°	3339.1	3369.5	3356.8	3346.7	3339.1
57.5°	3108.0	3130.8	3120.7	3100.4	3087.7
60°	2861.7	2879.5	2874.4	2851.5	2849.0
62.5°	2620.5	2625.5	2620.5	2579.8	2582.4
65°	2358.9	2364.0	2331.0	2298.0	2305.6
67.5°	2084.7	2099.9	2054.2	2006.0	2039.0
70°	1818.1	1813.0	1777.4	1724.1	1772.4
72.5°	1543.8	1538.8	1498.1	1460.0	1493.1
75°	1269.6	1249.3	1208.7	1190.9	1213.7
77.5°	985.2	962.4	944.6	931.9	942.0
80°	728.8	698.3	683.0	672.9	695.7
82.5°	485.0	462.1	454.5	462.1	457.1
85°	271.7	266.6	266.6	259.0	248.8
87.5°	111.7	116.8	119.3	116.8	111.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)