

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: P567489

Luminaire Tested: **8SNX-162HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567489
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-L950-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

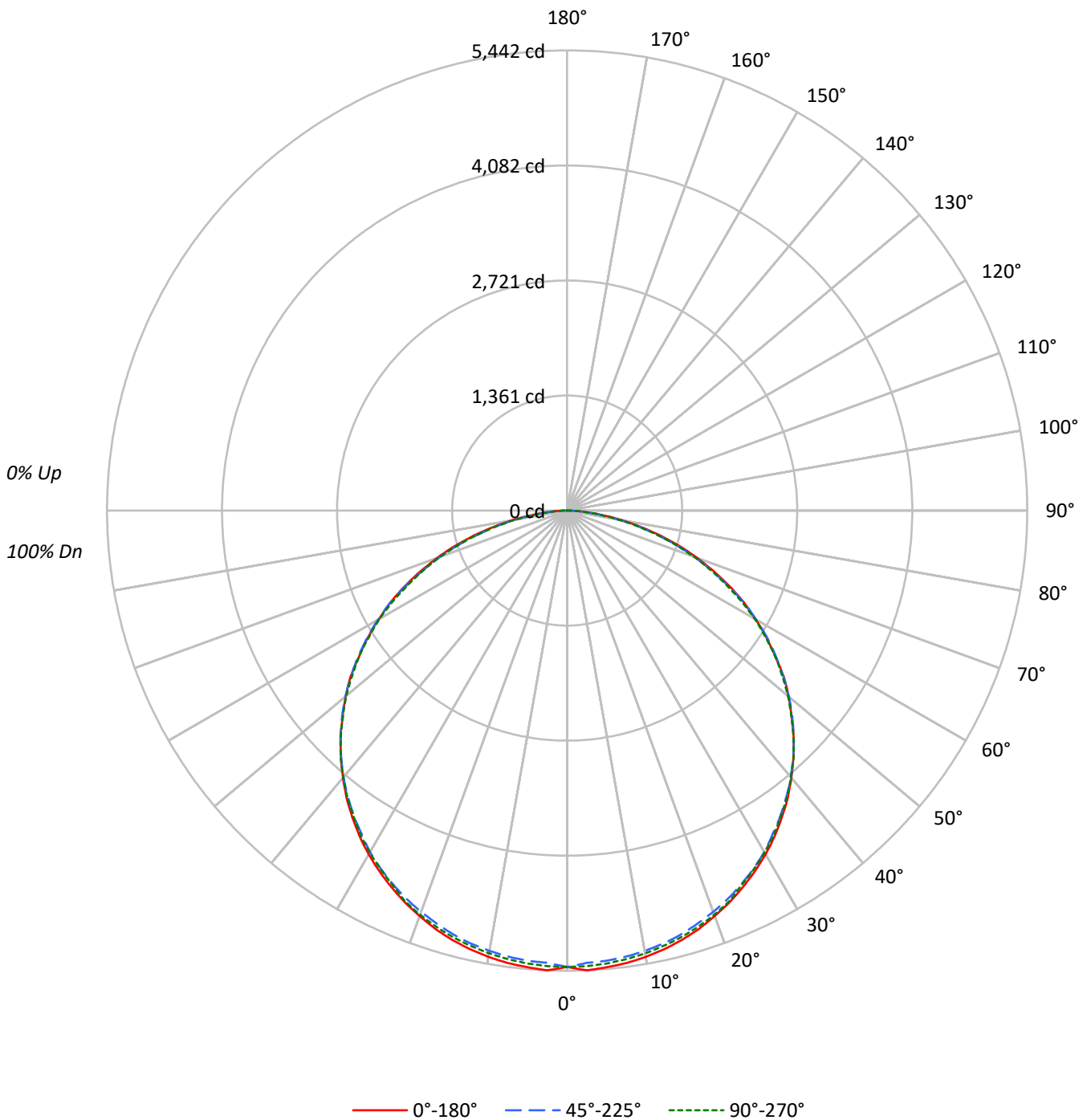
Lumens per Lamp: N/A
Luminaire Lumens: 16155.0 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	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°	29045	29045	29045
5°	29280	28873	29046
10°	29294	28894	29057
15°	29281	28925	29090
20°	29222	28921	29130
25°	29186	28956	29010
30°	29167	28983	29011
35°	29096	28916	28961
40°	28979	28915	28931
45°	28821	28873	28821
50°	28627	28684	28531
55°	28180	28331	28180
60°	27705	27829	27583
65°	27019	26700	26409
70°	25733	25157	25086
75°	23745	22605	22701
80°	20316	19042	19396
85°	15092	14808	13820



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.2	3.2
10°-20°	1475.7	9.1
20°-30°	2259.2	14.0
30°-40°	2763.6	17.1
40°-50°	2923.0	18.1
50°-60°	2693.3	16.7
60°-70°	2072.9	12.8
70°-80°	1164.6	7.2
80°-90°	290.5	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°	4247.1	26.3
0°-40°	7010.7	43.4
0°-60°	12627.0	78.2
0°-90°	16155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5397	5397	5397	5397	5397	
5°	5420	5404	5344	5392	5376	515
15°	5255	5242	5191	5237	5221	1483
25°	4915	4910	4876	4910	4885	2267
35°	4428	4422	4401	4422	4408	2771
45°	3787	3798	3794	3784	3787	2920
55°	3003	3031	3019	3010	3003	2690
65°	2122	2126	2097	2067	2074	2093
75°	1142	1124	1087	1071	1092	1203
85°	244	240	240	233	224	302
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5396.8	5396.8	5396.8	5396.8	5396.8
2.5°	5442.5	5412.8	5353.4	5406.0	5392.3
5°	5419.7	5403.7	5344.3	5392.3	5376.3
7.5°	5396.8	5378.6	5321.5	5374.0	5351.2
10°	5360.3	5344.3	5287.2	5337.5	5316.9
12.5°	5312.3	5298.6	5246.1	5294.1	5273.5
15°	5255.2	5241.5	5191.3	5237.0	5221.0
17.5°	5186.7	5170.7	5122.8	5170.7	5159.3
20°	5102.2	5093.1	5049.7	5093.1	5086.2
22.5°	5015.4	5004.0	4969.7	5001.7	5004.0
25°	4914.9	4910.4	4876.1	4910.4	4885.2
27.5°	4809.9	4809.9	4775.6	4798.5	4782.5
30°	4693.4	4691.1	4663.7	4675.1	4668.3
32.5°	4567.8	4565.5	4529.0	4558.6	4547.2
35°	4428.5	4421.6	4401.1	4421.6	4407.9
37.5°	4284.6	4277.7	4261.7	4273.2	4270.9
40°	4124.7	4124.7	4115.6	4124.7	4117.9
42.5°	3960.3	3967.1	3955.7	3964.8	3964.8
45°	3786.7	3798.1	3793.5	3784.4	3786.7
47.5°	3601.7	3622.3	3610.8	3608.5	3597.1
50°	3419.0	3437.3	3425.8	3414.4	3407.6
52.5°	3229.4	3238.6	3224.9	3220.3	3204.3
55°	3003.3	3030.7	3019.3	3010.2	3003.3
57.5°	2795.5	2816.0	2806.9	2788.6	2777.2
60°	2573.9	2589.9	2585.4	2564.8	2562.5
62.5°	2357.0	2361.5	2357.0	2320.4	2322.7
65°	2121.7	2126.3	2096.6	2066.9	2073.8
67.5°	1875.1	1888.8	1847.7	1804.3	1834.0
70°	1635.3	1630.7	1598.7	1550.8	1594.2
72.5°	1388.6	1384.0	1347.5	1313.2	1342.9
75°	1141.9	1123.7	1087.1	1071.1	1091.7
77.5°	886.1	865.6	849.6	838.2	847.3
80°	655.5	628.1	614.4	605.2	625.8
82.5°	436.2	415.7	408.8	415.7	411.1
85°	244.4	239.8	239.8	233.0	223.8
87.5°	100.5	105.1	107.3	105.1	100.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)