

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: P567487

Luminaire Tested: **8SNX-162HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567487
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-L935-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

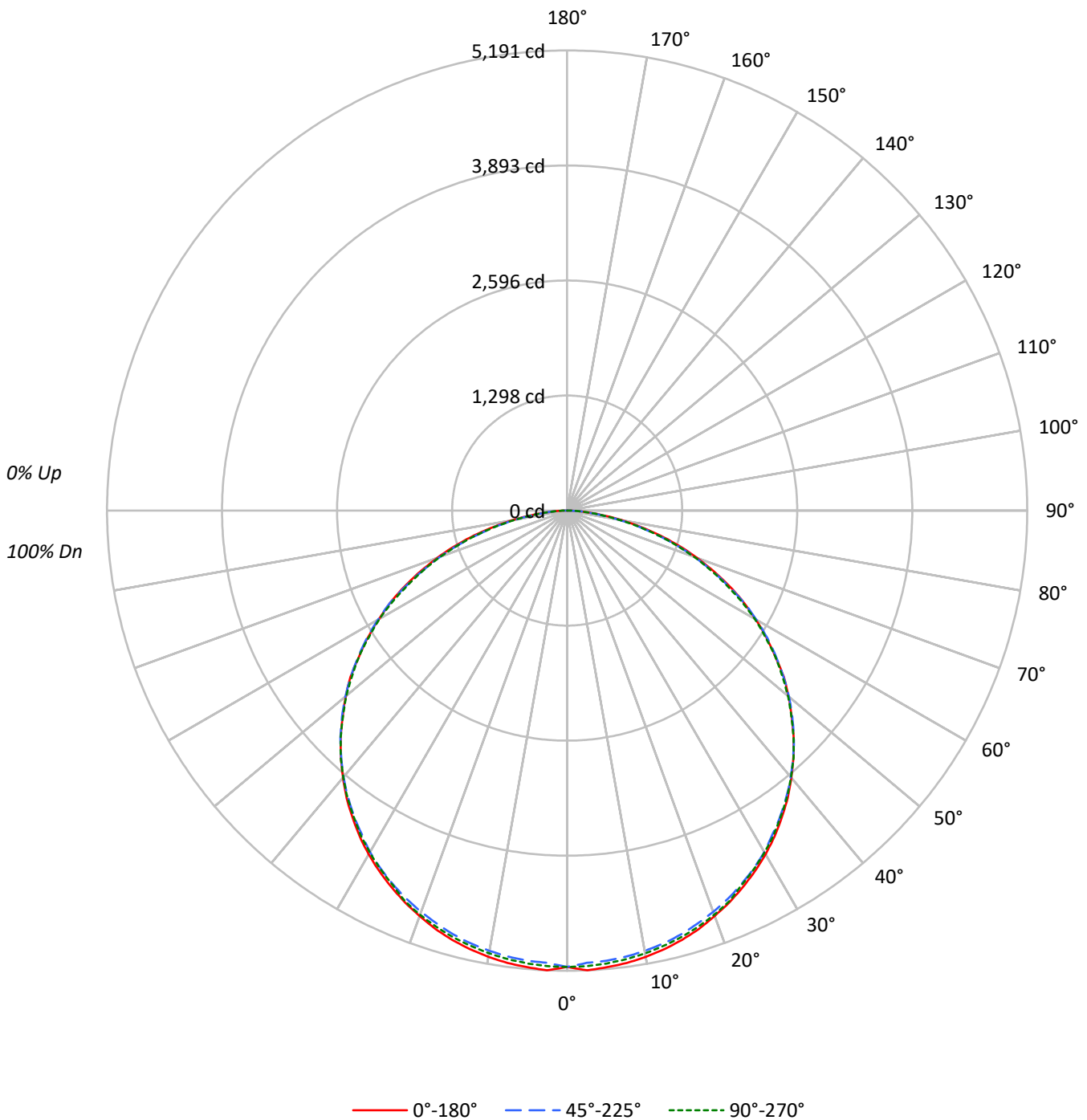
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15409.0 lumens
Efficiency: N/A
Efficacy: 139.8 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: P567487
CATALOG NUMBER: 8SNX-162HL-UNV-L935-CD

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°	27704	27704	27704
5°	27928	27539	27704
10°	27941	27560	27715
15°	27929	27589	27747
20°	27873	27586	27786
25°	27839	27619	27671
30°	27821	27644	27672
35°	27752	27580	27624
40°	27640	27579	27595
45°	27490	27541	27490
50°	27305	27359	27213
55°	26879	27023	26879
60°	26426	26544	26309
65°	25773	25467	25189
70°	24545	23996	23926
75°	22649	21562	21653
80°	19377	18162	18500
85°	14394	14122	13184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.5	3.2
10°-20°	1407.6	9.1
20°-30°	2154.9	14.0
30°-40°	2636.0	17.1
40°-50°	2788.0	18.1
50°-60°	2568.9	16.7
60°-70°	1977.2	12.8
70°-80°	1110.8	7.2
80°-90°	277.1	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°	4050.9	26.3
0°-40°	6686.9	43.4
0°-60°	12043.9	78.2
0°-90°	15409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15409.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5148	5148	5148	5148	5148	
5°	5169	5154	5098	5143	5128	492
15°	5013	5000	4952	4995	4980	1415
25°	4688	4684	4651	4684	4660	2162
35°	4224	4217	4198	4217	4204	2643
45°	3612	3623	3618	3610	3612	2785
55°	2865	2891	2880	2871	2865	2565
65°	2024	2028	2000	1972	1978	1996
75°	1089	1072	1037	1022	1041	1147
85°	233	229	229	222	214	288
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5147.6	5147.6	5147.6	5147.6	5147.6
2.5°	5191.2	5162.9	5106.2	5156.3	5143.3
5°	5169.4	5154.2	5097.5	5143.3	5128.0
7.5°	5147.6	5130.2	5075.7	5125.8	5104.1
10°	5112.8	5097.5	5043.1	5091.0	5071.4
12.5°	5067.0	5053.9	5003.8	5049.6	5030.0
15°	5012.6	4999.5	4951.6	4995.1	4979.9
17.5°	4947.2	4932.0	4886.2	4932.0	4921.1
20°	4866.6	4857.9	4816.5	4857.9	4851.4
22.5°	4783.8	4772.9	4740.3	4770.8	4772.9
25°	4688.0	4683.6	4650.9	4683.6	4659.7
27.5°	4587.8	4587.8	4555.1	4576.9	4561.6
30°	4476.7	4474.5	4448.3	4459.2	4452.7
32.5°	4356.9	4354.7	4319.8	4348.1	4337.2
35°	4224.0	4217.4	4197.8	4217.4	4204.4
37.5°	4086.7	4080.2	4064.9	4075.8	4073.7
40°	3934.2	3934.2	3925.5	3934.2	3927.7
42.5°	3777.4	3783.9	3773.0	3781.7	3781.7
45°	3611.8	3622.7	3618.4	3609.7	3611.8
47.5°	3435.4	3455.0	3444.1	3441.9	3431.0
50°	3261.1	3278.5	3267.6	3256.7	3250.2
52.5°	3080.3	3089.0	3075.9	3071.6	3056.3
55°	2864.6	2890.8	2879.9	2871.2	2864.6
57.5°	2666.4	2686.0	2677.3	2659.9	2649.0
60°	2455.1	2470.3	2466.0	2446.4	2444.2
62.5°	2248.1	2252.5	2248.1	2213.3	2215.5
65°	2023.8	2028.1	1999.8	1971.5	1978.0
67.5°	1788.5	1801.6	1762.3	1721.0	1749.3
70°	1559.8	1555.4	1524.9	1479.2	1520.5
72.5°	1324.5	1320.1	1285.3	1252.6	1280.9
75°	1089.2	1071.8	1036.9	1021.7	1041.3
77.5°	845.2	825.6	810.4	799.5	808.2
80°	625.2	599.1	586.0	577.3	596.9
82.5°	416.1	396.5	389.9	396.5	392.1
85°	233.1	228.7	228.7	222.2	213.5
87.5°	95.9	100.2	102.4	100.2	95.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)