

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: P567481

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

Issue Date: 9/15/2022



**Test Information**

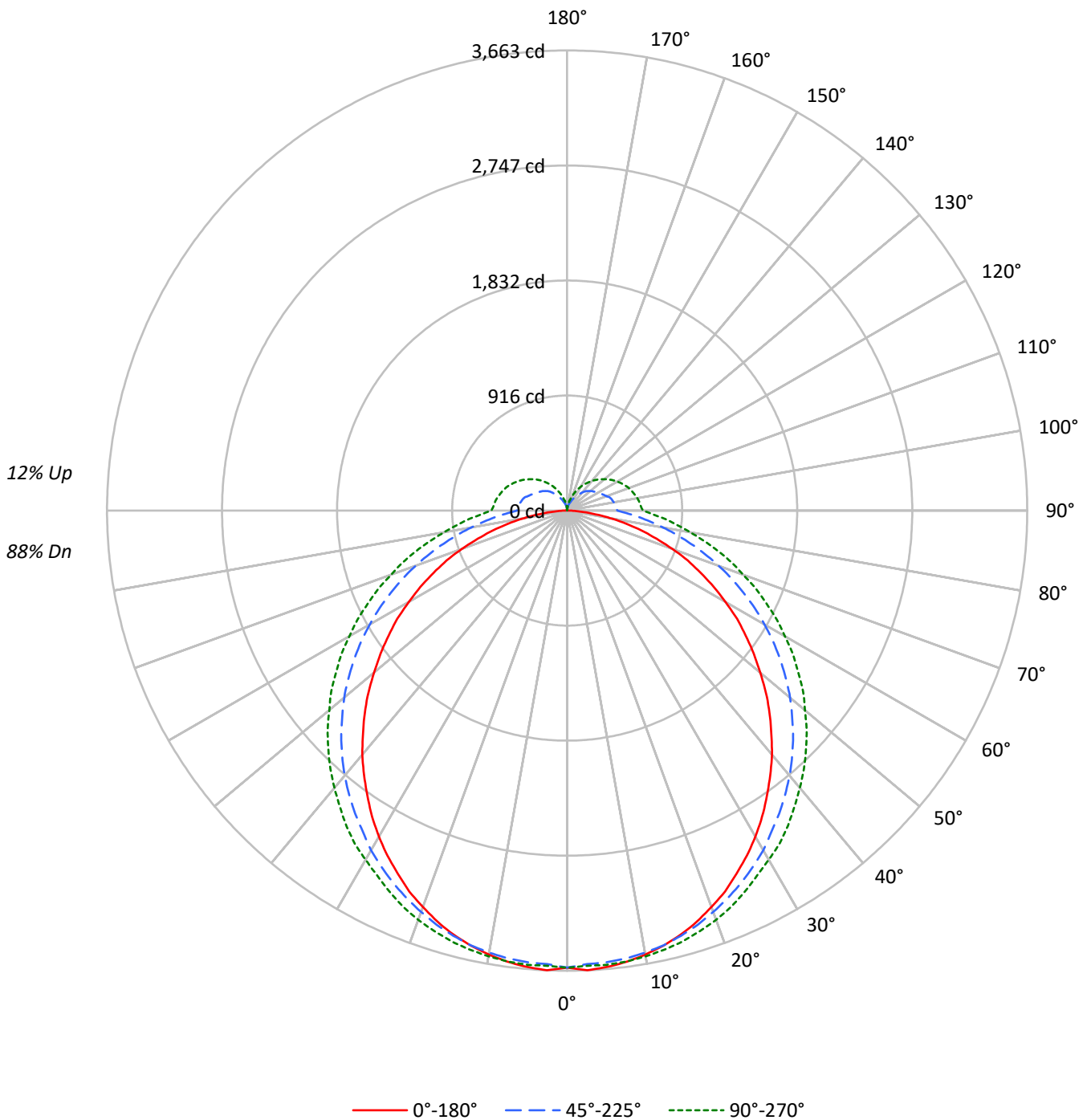
Test Method: LM-79-08  
Report Number: P567481  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-162HL-SLW-UNV-L950-CD  
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13098.0 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-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: P567481  
CATALOG NUMBER: 8SNX-162HL-SLW-UNV-L950-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567481

CATALOG NUMBER: 8SNX-162HL-SLW-UNV-L950-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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

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

	0°	45°	90°
0°	19580	19580	19580
5°	19686	19093	19053
10°	19577	18727	18597
15°	19417	18332	18167
20°	19158	17898	17720
25°	18849	17462	17209
30°	18512	17024	16738
35°	18083	16532	16333
40°	17669	16084	15837
45°	17167	15586	15367
50°	16584	15056	14829
55°	16031	14435	14291
60°	15392	13762	13673
65°	14614	12992	13014
70°	13624	12124	12256
75°	12214	11124	11562
80°	10242	10137	10682
85°	7431	9265	10110



TEST NUMBER: P567481

CATALOG NUMBER: 8SNX-162HL-SLW-UNV-L950-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	345.4	2.6
10°-20°	993.5	7.6
20°-30°	1511.4	11.5
30°-40°	1837.7	14.0
40°-50°	1944.3	14.8
50°-60°	1822.5	13.9
60°-70°	1499.3	11.4
70°-80°	1037.4	7.9
80°-90°	576.9	4.4
90°-100°	380.0	2.9
100°-110°	340.8	2.6
110°-120°	282.1	2.2
120°-130°	218.1	1.7
130°-140°	154.4	1.2
140°-150°	93.1	0.7
150°-160°	44.7	0.3
160°-170°	14.6	0.1
170°-180°	1.8	0.0
0°-30°	2850.3	21.8
0°-40°	4688.1	35.8
0°-60°	8454.8	64.6
0°-90°	11568.4	88.3
90°-120°	1002.9	7.7
90°-150°	1468.4	11.2
90°-180°	1530.0	11.7
0°-180°	13098.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3638	3638	3638	3638	3638	
5°	3647	3640	3609	3638	3629	346
15°	3495	3506	3504	3551	3551	985
25°	3190	3234	3272	3344	3346	1470
35°	2772	2846	2943	3037	3064	1735
45°	2279	2398	2544	2658	2689	1756
55°	1734	1889	2070	2200	2245	1552
65°	1173	1341	1550	1702	1750	1163
75°	610	787	1018	1180	1245	647
85°	135	334	565	722	785	155
90°	2	188	399	550	603	9
95°	2	179	388	532	583	2
105°	2	155	363	500	545	2
115°	4	135	307	444	494	4
125°	4	114	262	379	426	4
135°	4	90	220	312	350	3
145°	4	65	152	236	265	3
155°	7	45	94	150	175	3
165°	7	29	52	70	90	2
175°	7	11	16	16	9	1
180°	4	4	4	4	4	



TEST NUMBER: P567481

CATALOG NUMBER: 8SNX-162HL-SLW-UNV-L950-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3638.1	3638.1	3638.1	3638.1	3638.1
2.5°	3662.8	3651.6	3613.4	3638.1	3626.9
5°	3647.1	3640.4	3609.0	3638.1	3629.1
7.5°	3622.4	3620.2	3595.5	3629.1	3620.2
10°	3588.8	3593.3	3573.1	3609.0	3602.2
12.5°	3546.2	3552.9	3543.9	3584.3	3579.8
15°	3494.6	3505.8	3503.5	3550.6	3550.6
17.5°	3431.8	3447.5	3456.4	3510.3	3510.3
20°	3357.7	3382.4	3400.4	3458.7	3467.7
22.5°	3283.7	3312.9	3339.8	3400.4	3413.8
25°	3189.5	3234.4	3272.5	3344.3	3346.5
27.5°	3097.6	3146.9	3198.5	3268.0	3274.8
30°	2996.6	3059.4	3122.2	3189.5	3209.7
32.5°	2889.0	2958.5	3028.0	3117.7	3144.7
35°	2772.3	2846.3	2942.8	3037.0	3063.9
37.5°	2655.7	2738.7	2850.8	2947.3	2972.0
40°	2536.8	2628.8	2754.4	2853.1	2882.2
42.5°	2404.5	2516.6	2651.2	2756.6	2790.3
45°	2278.9	2397.7	2543.5	2657.9	2689.3
47.5°	2146.5	2272.1	2429.2	2550.3	2586.2
50°	2005.2	2148.8	2317.0	2438.1	2471.8
52.5°	1872.9	2018.7	2195.9	2321.5	2368.6
55°	1733.8	1888.6	2070.3	2200.4	2245.2
57.5°	1603.7	1751.8	1946.9	2077.0	2133.1
60°	1455.7	1619.4	1814.6	1955.9	2000.7
62.5°	1316.6	1482.6	1684.5	1830.3	1881.9
65°	1173.1	1341.3	1549.9	1702.4	1749.5
67.5°	1038.5	1204.5	1417.6	1567.8	1628.4
70°	890.5	1065.4	1283.0	1437.8	1489.3
72.5°	744.7	926.4	1148.4	1314.4	1372.7
75°	610.1	787.3	1018.3	1179.8	1244.9
77.5°	480.0	659.4	892.7	1058.7	1114.8
80°	349.9	538.3	776.1	939.8	993.6
82.5°	231.0	428.4	663.9	827.7	886.0
85°	134.6	334.2	565.2	722.2	785.0
87.5°	58.3	253.5	473.3	628.0	679.6
90°	2.2	188.4	399.3	549.5	603.4
92.5°	2.2	183.9	390.3	538.3	589.9
95°	2.2	179.4	388.0	531.6	583.2
97.5°	2.2	177.2	383.6	527.1	576.4
100°	2.2	170.5	376.8	518.1	567.5
102.5°	2.2	161.5	370.1	509.2	556.3
105°	2.2	154.8	363.4	500.2	545.0
107.5°	2.2	148.0	352.1	489.0	533.8
110°	2.2	141.3	334.2	477.8	522.6



TEST NUMBER: P567481

CATALOG NUMBER: 8SNX-162HL-SLW-UNV-L950-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	139.1	320.7	462.1	509.2
115°	4.5	134.6	307.3	444.1	493.5
117.5°	4.5	132.3	296.1	426.2	477.8
120°	4.5	125.6	284.9	410.5	459.8
122.5°	4.5	118.9	273.6	394.8	444.1
125°	4.5	114.4	262.4	379.1	426.2
127.5°	4.5	107.7	253.5	363.4	406.0
130°	4.5	103.2	242.2	345.4	388.0
132.5°	4.5	96.4	231.0	327.5	367.8
135°	4.5	89.7	219.8	311.8	349.9
137.5°	4.5	80.7	206.4	293.8	329.7
140°	4.5	74.0	188.4	275.9	309.5
142.5°	4.5	69.5	170.5	255.7	287.1
145°	4.5	65.0	152.5	235.5	264.7
147.5°	4.5	60.6	136.8	215.3	242.2
150°	4.5	53.8	121.1	197.4	219.8
152.5°	6.7	49.3	107.7	175.0	197.4
155°	6.7	44.9	94.2	150.3	175.0
157.5°	6.7	40.4	80.7	125.6	152.5
160°	6.7	35.9	69.5	103.2	130.1
162.5°	6.7	33.6	60.6	85.2	109.9
165°	6.7	29.2	51.6	69.5	89.7
167.5°	6.7	22.4	42.6	53.8	74.0
170°	6.7	17.9	33.6	38.1	56.1
172.5°	6.7	13.5	24.7	26.9	29.2
175°	6.7	11.2	15.7	15.7	9.0
177.5°	6.7	9.0	9.0	9.0	4.5
180°	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)