

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: P567486

Luminaire Tested: **8SNX-162HL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567486
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-L930-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

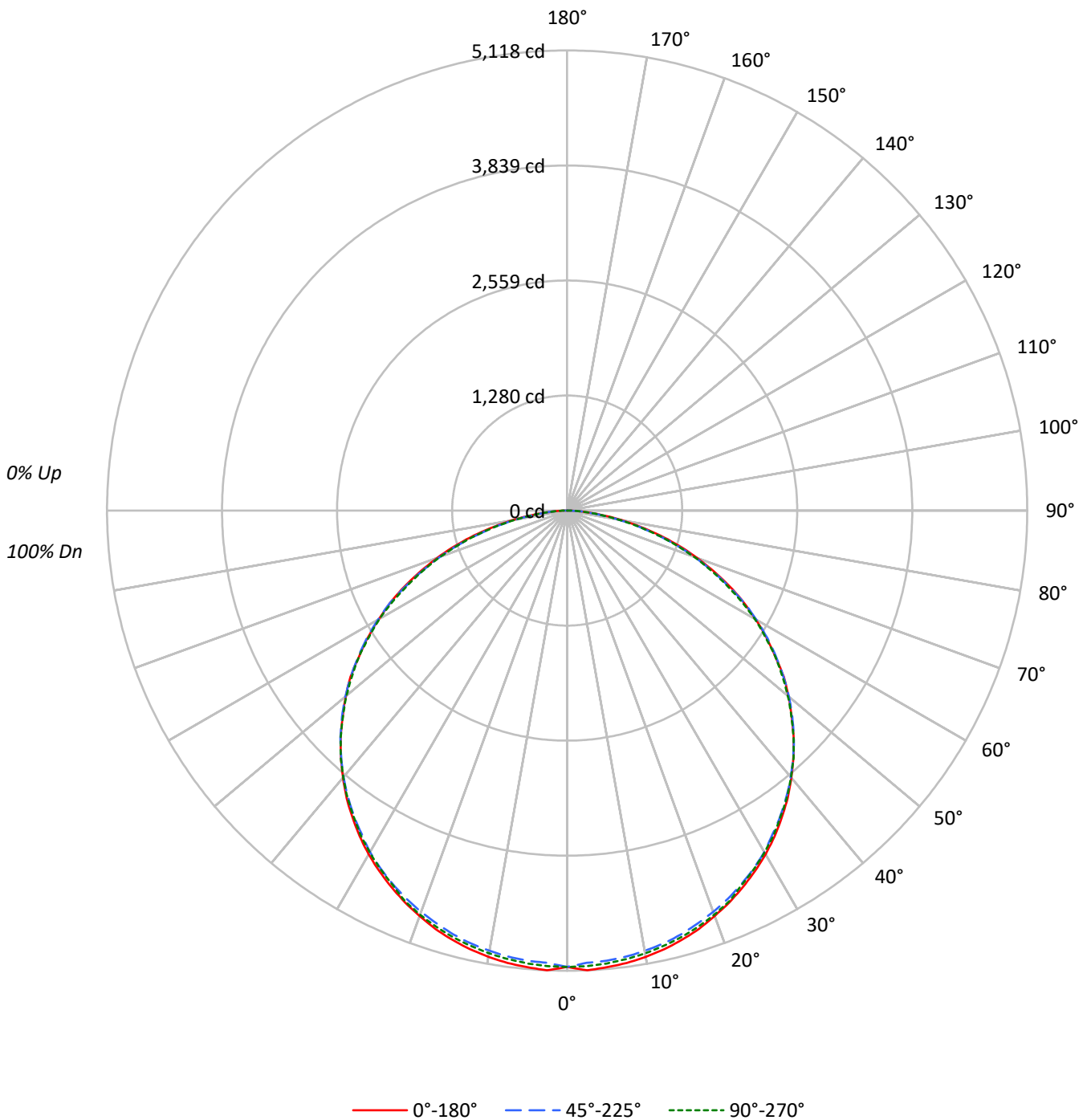
Lumens per Lamp: N/A
Luminaire Lumens: 15192.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 110.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P567486

CATALOG NUMBER: 8SNX-162HL-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567486

CATALOG NUMBER: 8SNX-162HL-UNV-L930-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	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°	27314	27314	27314
5°	27534	27151	27314
10°	27548	27172	27325
15°	27536	27200	27356
20°	27480	27198	27394
25°	27447	27230	27281
30°	27429	27255	27282
35°	27361	27192	27235
40°	27251	27191	27206
45°	27104	27152	27104
50°	26920	26974	26830
55°	26501	26642	26501
60°	26054	26170	25939
65°	25410	25108	24835
70°	24198	23657	23590
75°	22331	21258	21347
80°	19104	17905	18240
85°	14190	13925	12999



TEST NUMBER: P567486

CATALOG NUMBER: 8SNX-162HL-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.6	3.2
10°-20°	1387.8	9.1
20°-30°	2124.5	14.0
30°-40°	2598.9	17.1
40°-50°	2748.8	18.1
50°-60°	2532.7	16.7
60°-70°	1949.3	12.8
70°-80°	1095.2	7.2
80°-90°	273.2	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°	3993.9	26.3
0°-40°	6592.8	43.4
0°-60°	11874.3	78.2
0°-90°	15192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15192.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5075	5075	5075	5075	5075	
5°	5097	5082	5026	5071	5056	485
15°	4942	4929	4882	4925	4910	1395
25°	4622	4618	4585	4618	4594	2132
35°	4164	4158	4139	4158	4145	2606
45°	3561	3572	3567	3559	3561	2746
55°	2824	2850	2839	2831	2824	2529
65°	1995	2000	1972	1944	1950	1968
75°	1074	1057	1022	1007	1027	1131
85°	230	226	226	219	210	284
90°	0	0	0	0	0	



TEST NUMBER: P567486

CATALOG NUMBER: 8SNX-162HL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5075.1	5075.1	5075.1	5075.1	5075.1
2.5°	5118.1	5090.2	5034.3	5083.7	5070.8
5°	5096.6	5081.6	5025.7	5070.8	5055.8
7.5°	5075.1	5057.9	5004.3	5053.7	5032.2
10°	5040.8	5025.7	4972.0	5019.3	5000.0
12.5°	4995.7	4982.8	4933.4	4978.5	4959.2
15°	4942.0	4929.1	4881.8	4924.8	4909.8
17.5°	4877.5	4862.5	4817.4	4862.5	4851.8
20°	4798.1	4789.5	4748.7	4789.5	4783.0
22.5°	4716.5	4705.7	4673.5	4703.6	4705.7
25°	4622.0	4617.7	4585.4	4617.7	4594.0
27.5°	4523.2	4523.2	4490.9	4512.4	4497.4
30°	4413.6	4411.5	4385.7	4396.4	4390.0
32.5°	4295.5	4293.3	4259.0	4286.9	4276.2
35°	4164.5	4158.0	4138.7	4158.0	4145.2
37.5°	4029.2	4022.7	4007.7	4018.4	4016.3
40°	3878.8	3878.8	3870.2	3878.8	3872.4
42.5°	3724.2	3730.6	3719.9	3728.5	3728.5
45°	3561.0	3571.7	3567.4	3558.8	3561.0
47.5°	3387.0	3406.3	3395.6	3393.4	3382.7
50°	3215.2	3232.4	3221.6	3210.9	3204.4
52.5°	3036.9	3045.5	3032.6	3028.3	3013.3
55°	2824.3	2850.1	2839.3	2830.7	2824.3
57.5°	2628.8	2648.2	2639.6	2622.4	2611.7
60°	2420.5	2435.5	2431.3	2411.9	2409.8
62.5°	2216.5	2220.8	2216.5	2182.1	2184.3
65°	1995.3	1999.6	1971.6	1943.7	1950.2
67.5°	1763.3	1776.2	1737.5	1696.7	1724.6
70°	1537.8	1533.5	1503.4	1458.3	1499.1
72.5°	1305.8	1301.5	1267.2	1235.0	1262.9
75°	1073.9	1056.7	1022.3	1007.3	1026.6
77.5°	833.3	814.0	799.0	788.2	796.8
80°	616.4	590.6	577.7	569.2	588.5
82.5°	410.2	390.9	384.4	390.9	386.6
85°	229.8	225.5	225.5	219.1	210.5
87.5°	94.5	98.8	100.9	98.8	94.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)