

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: P567488

Luminaire Tested: **8SNX-162HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567488
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-L940-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

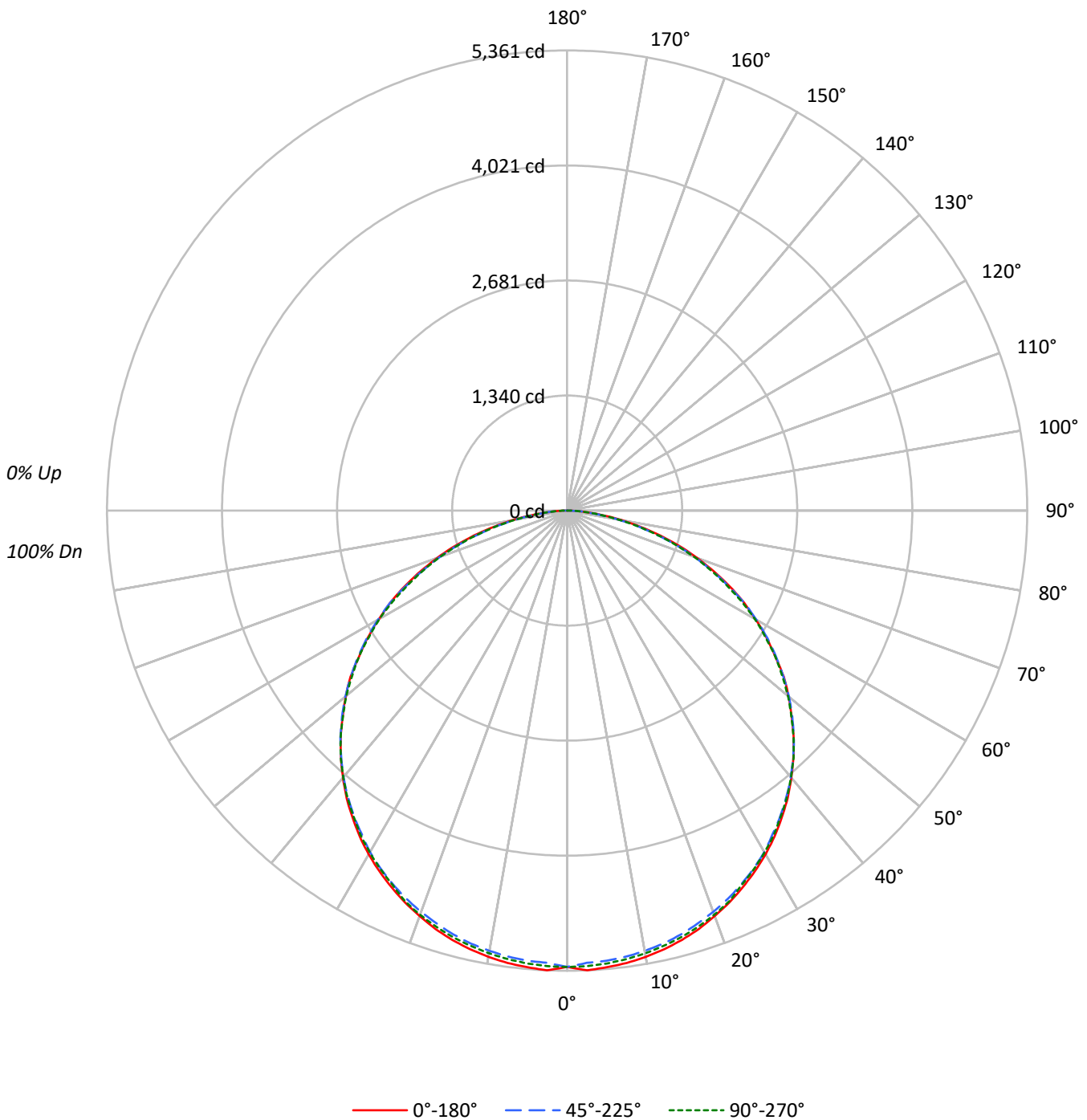
Lumens per Lamp: N/A
Luminaire Lumens: 15914.0 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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	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°	28612	28612	28612
5°	28843	28442	28612
10°	28857	28463	28623
15°	28844	28493	28656
20°	28786	28490	28696
25°	28751	28524	28578
30°	28732	28550	28578
35°	28662	28484	28529
40°	28547	28483	28499
45°	28391	28443	28391
50°	28200	28256	28105
55°	27760	27908	27760
60°	27292	27414	27171
65°	26617	26301	26015
70°	25349	24782	24711
75°	23391	22269	22362
80°	20012	18757	19107
85°	14863	14586	13616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.5	3.2
10°-20°	1453.7	9.1
20°-30°	2225.5	14.0
30°-40°	2722.4	17.1
40°-50°	2879.4	18.1
50°-60°	2653.1	16.7
60°-70°	2042.0	12.8
70°-80°	1147.2	7.2
80°-90°	286.2	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°	4183.7	26.3
0°-40°	6906.1	43.4
0°-60°	12438.6	78.2
0°-90°	15914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5316	5316	5316	5316	5316	
5°	5339	5323	5265	5312	5296	508
15°	5177	5163	5114	5159	5143	1461
25°	4842	4837	4803	4837	4812	2233
35°	4362	4356	4335	4356	4342	2730
45°	3730	3742	3737	3728	3730	2876
55°	2958	2986	2974	2965	2958	2650
65°	2090	2095	2065	2036	2043	2062
75°	1125	1107	1071	1055	1075	1185
85°	241	236	236	230	220	297
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5316.3	5316.3	5316.3	5316.3	5316.3
2.5°	5361.3	5332.1	5273.6	5325.3	5311.8
5°	5338.8	5323.1	5264.6	5311.8	5296.1
7.5°	5316.3	5298.3	5242.1	5293.8	5271.3
10°	5280.3	5264.6	5208.3	5257.8	5237.6
12.5°	5233.1	5219.6	5167.8	5215.1	5194.8
15°	5176.8	5163.3	5113.8	5158.8	5143.1
17.5°	5109.3	5093.6	5046.3	5093.6	5082.3
20°	5026.1	5017.1	4974.4	5017.1	5010.3
22.5°	4940.6	4929.4	4895.6	4927.1	4929.4
25°	4841.6	4837.1	4803.4	4837.1	4812.4
27.5°	4738.1	4738.1	4704.4	4726.9	4711.1
30°	4623.4	4621.1	4594.1	4605.4	4598.6
32.5°	4499.6	4497.4	4461.4	4490.6	4479.4
35°	4362.4	4355.7	4335.4	4355.7	4342.2
37.5°	4220.7	4213.9	4198.2	4209.4	4207.2
40°	4063.2	4063.2	4054.2	4063.2	4056.4
42.5°	3901.2	3907.9	3896.7	3905.7	3905.7
45°	3730.2	3741.5	3737.0	3728.0	3730.2
47.5°	3548.0	3568.2	3557.0	3554.7	3543.5
50°	3368.0	3386.0	3374.7	3363.5	3356.7
52.5°	3181.2	3190.2	3176.7	3172.2	3156.5
55°	2958.5	2985.5	2974.3	2965.3	2958.5
57.5°	2753.8	2774.0	2765.0	2747.0	2735.8
60°	2535.5	2551.3	2546.8	2526.5	2524.3
62.5°	2321.8	2326.3	2321.8	2285.8	2288.1
65°	2090.1	2094.6	2065.3	2036.1	2042.8
67.5°	1847.1	1860.6	1820.1	1777.4	1806.6
70°	1610.9	1606.4	1574.9	1527.6	1570.4
72.5°	1367.9	1363.4	1327.4	1293.6	1322.9
75°	1124.9	1106.9	1070.9	1055.2	1075.4
77.5°	872.9	852.7	836.9	825.7	834.7
80°	645.7	618.7	605.2	596.2	616.5
82.5°	429.7	409.5	402.7	409.5	405.0
85°	240.7	236.2	236.2	229.5	220.5
87.5°	99.0	103.5	105.7	103.5	99.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)