

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: P567532

Luminaire Tested: **8SNX-168HL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567532
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-168HL-UNV-L840-CD
Description: 8FT 16800 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

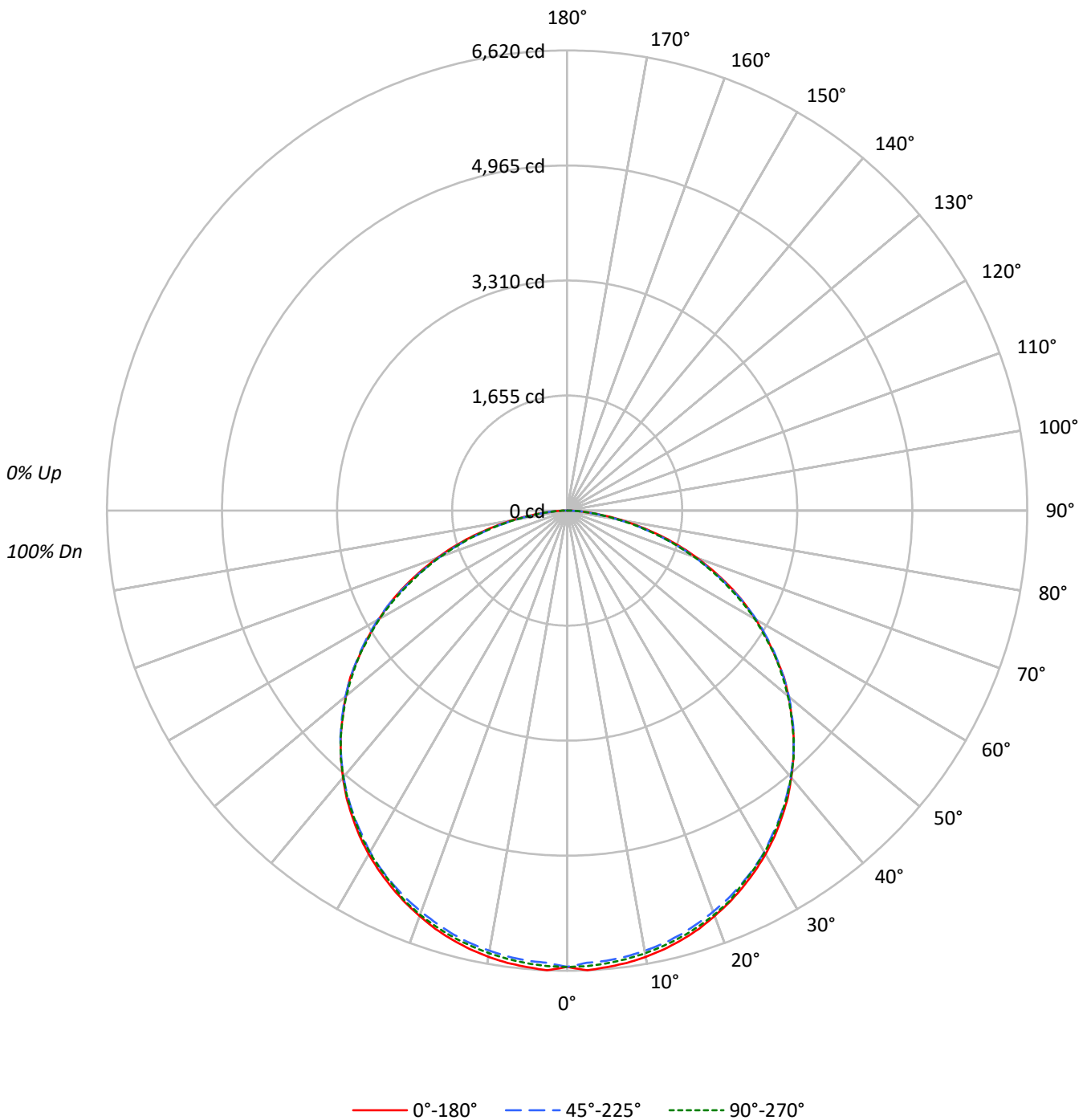
Lumens per Lamp: N/A
Luminaire Lumens: 19649.0 lumens
Efficiency: N/A
Efficacy: 169.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 115.8
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: P567532

CATALOG NUMBER: 8SNX-168HL-UNV-L840-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	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°	35328	35328	35328
5°	35612	35117	35328
10°	35630	35144	35341
15°	35614	35181	35382
20°	35542	35176	35431
25°	35499	35218	35284
30°	35476	35251	35286
35°	35389	35169	35225
40°	35246	35168	35188
45°	35055	35118	35055
50°	34818	34888	34702
55°	34276	34458	34276
60°	33698	33847	33548
65°	32863	32475	32121
70°	31297	30598	30510
75°	28881	27496	27611
80°	24708	23158	23589
85°	18352	18013	16809



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.9	3.2
10°-20°	1794.9	9.1
20°-30°	2747.8	14.0
30°-40°	3361.3	17.1
40°-50°	3555.2	18.1
50°-60°	3275.8	16.7
60°-70°	2521.2	12.8
70°-80°	1416.5	7.2
80°-90°	353.4	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°	5165.6	26.3
0°-40°	8527.0	43.4
0°-60°	15358.0	78.2
0°-90°	19649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19649.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6564	6564	6564	6564	6564	
5°	6592	6572	6500	6558	6539	627
15°	6392	6375	6314	6370	6350	1804
25°	5978	5972	5931	5972	5942	2757
35°	5386	5378	5353	5378	5361	3371
45°	4606	4620	4614	4603	4606	3552
55°	3653	3686	3672	3661	3653	3271
65°	2581	2586	2550	2514	2522	2546
75°	1389	1367	1322	1303	1328	1463
85°	297	292	292	283	272	367
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6564.1	6564.1	6564.1	6564.1	6564.1
2.5°	6619.6	6583.5	6511.3	6575.2	6558.5
5°	6591.8	6572.4	6500.2	6558.5	6539.1
7.5°	6564.1	6541.8	6472.4	6536.3	6508.5
10°	6519.6	6500.2	6430.7	6491.8	6466.8
12.5°	6461.3	6444.6	6380.7	6439.1	6414.1
15°	6391.8	6375.2	6314.1	6369.6	6350.2
17.5°	6308.5	6289.1	6230.7	6289.1	6275.2
20°	6205.7	6194.6	6141.8	6194.6	6186.3
22.5°	6100.2	6086.3	6044.6	6083.5	6086.3
25°	5977.9	5972.4	5930.7	5972.4	5941.8
27.5°	5850.2	5850.2	5808.5	5836.3	5816.8
30°	5708.5	5705.7	5672.4	5686.3	5677.9
32.5°	5555.7	5552.9	5508.5	5544.6	5530.7
35°	5386.3	5377.9	5352.9	5377.9	5361.3
37.5°	5211.2	5202.9	5183.5	5197.4	5194.6
40°	5016.8	5016.8	5005.7	5016.8	5008.5
42.5°	4816.8	4825.1	4811.2	4822.3	4822.3
45°	4605.7	4619.6	4614.0	4602.9	4605.7
47.5°	4380.7	4405.7	4391.8	4389.0	4375.1
50°	4158.4	4180.7	4166.8	4152.9	4144.6
52.5°	3927.9	3939.0	3922.3	3916.8	3897.3
55°	3652.9	3686.2	3672.3	3661.2	3652.9
57.5°	3400.1	3425.1	3414.0	3391.8	3377.9
60°	3130.6	3150.1	3144.5	3119.5	3116.7
62.5°	2866.7	2872.3	2866.7	2822.3	2825.1
65°	2580.6	2586.2	2550.1	2514.0	2522.3
67.5°	2280.6	2297.3	2247.3	2194.5	2230.6
70°	1988.9	1983.4	1944.5	1886.2	1938.9
72.5°	1688.9	1683.4	1638.9	1597.3	1633.4
75°	1388.9	1366.7	1322.3	1302.8	1327.8
77.5°	1077.8	1052.8	1033.4	1019.5	1030.6
80°	797.2	763.9	747.2	736.1	761.1
82.5°	530.6	505.6	497.2	505.6	500.0
85°	297.2	291.7	291.7	283.3	272.2
87.5°	122.2	127.8	130.6	127.8	122.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)