

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: P567728

Luminaire Tested: **8SNX-200HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567728
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-200HL-UNV-L940-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

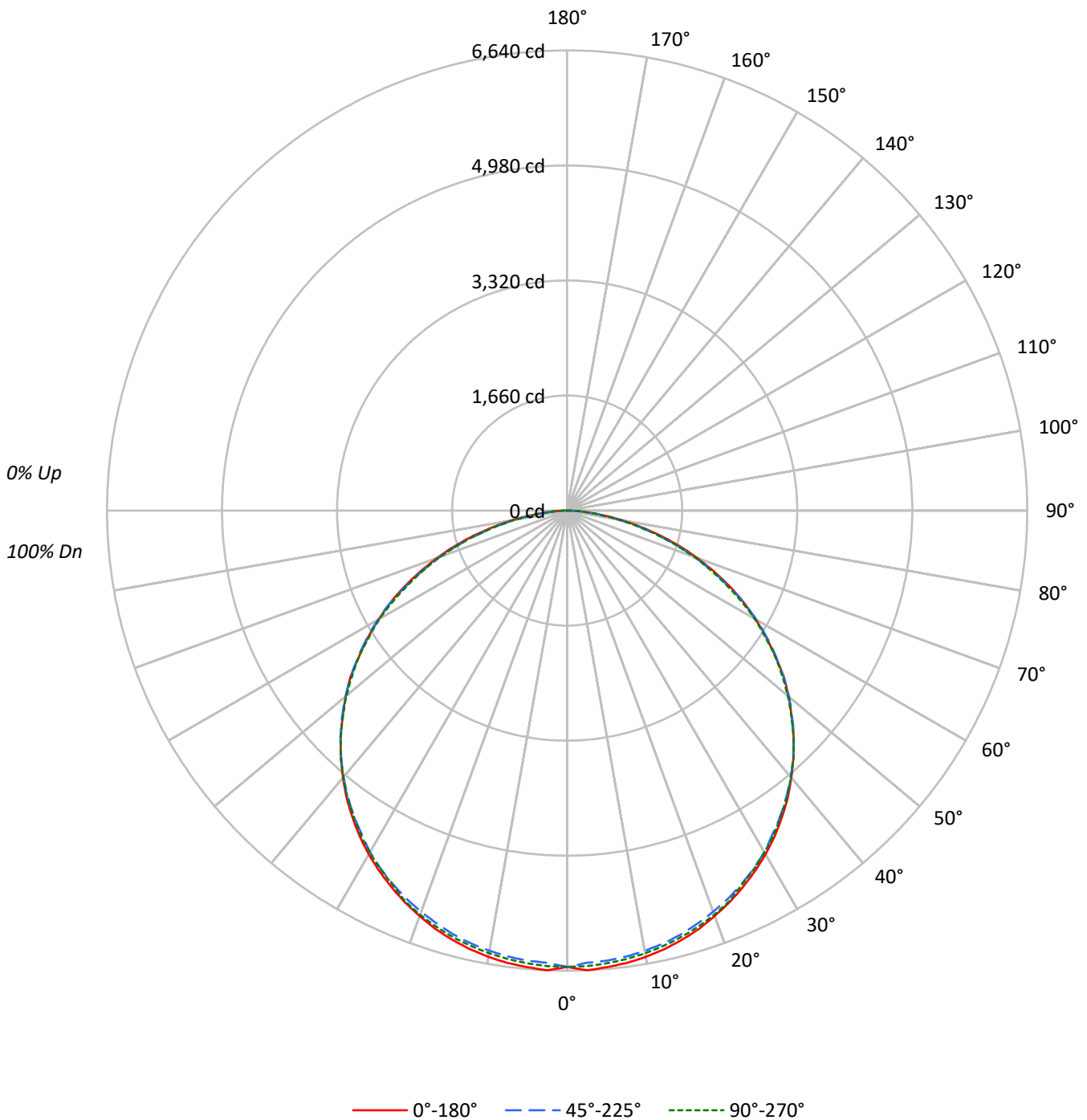
Lumens per Lamp: N/A
Luminaire Lumens: 19708.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 145
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°	35434	35434	35434
5°	35719	35223	35433
10°	35737	35249	35448
15°	35721	35286	35488
20°	35649	35282	35537
25°	35606	35324	35391
30°	35582	35357	35392
35°	35495	35275	35330
40°	35352	35274	35293
45°	35160	35224	35160
50°	34922	34993	34806
55°	34378	34561	34378
60°	33799	33949	33649
65°	32963	32572	32218
70°	31391	30690	30603
75°	28969	27577	27694
80°	24782	23230	23660
85°	18408	18068	16858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.8	3.2
10°-20°	1800.3	9.1
20°-30°	2756.0	14.0
30°-40°	3371.4	17.1
40°-50°	3565.9	18.1
50°-60°	3285.6	16.7
60°-70°	2528.8	12.8
70°-80°	1420.7	7.2
80°-90°	354.4	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°	5181.1	26.3
0°-40°	8552.5	43.4
0°-60°	15404.0	78.2
0°-90°	19708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6584	6584	6584	6584	6584	
5°	6612	6592	6520	6578	6559	629
15°	6411	6394	6333	6389	6369	1810
25°	5996	5990	5948	5990	5960	2765
35°	5402	5394	5369	5394	5377	3381
45°	4620	4633	4628	4617	4620	3562
55°	3664	3697	3683	3672	3664	3281
65°	2588	2594	2558	2522	2530	2553
75°	1393	1371	1326	1307	1332	1467
85°	298	293	293	284	273	368
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6583.8	6583.8	6583.8	6583.8	6583.8
2.5°	6639.5	6603.3	6530.8	6594.9	6578.2
5°	6611.6	6592.1	6519.7	6578.2	6558.7
7.5°	6583.8	6561.5	6491.8	6555.9	6528.0
10°	6539.2	6519.7	6450.0	6511.3	6486.3
12.5°	6480.7	6464.0	6399.9	6458.4	6433.3
15°	6411.0	6394.3	6333.0	6388.7	6369.2
17.5°	6327.4	6307.9	6249.4	6307.9	6294.0
20°	6224.4	6213.2	6160.3	6213.2	6204.8
22.5°	6118.5	6104.5	6062.8	6101.8	6104.5
25°	5995.9	5990.3	5948.5	5990.3	5959.7
27.5°	5867.7	5867.7	5825.9	5853.8	5834.3
30°	5725.6	5722.8	5689.4	5703.3	5695.0
32.5°	5572.4	5569.6	5525.0	5561.2	5547.3
35°	5402.4	5394.1	5369.0	5394.1	5377.4
37.5°	5226.9	5218.5	5199.0	5213.0	5210.2
40°	5031.9	5031.9	5020.7	5031.9	5023.5
42.5°	4831.3	4839.6	4825.7	4836.8	4836.8
45°	4619.5	4633.4	4627.9	4616.7	4619.5
47.5°	4393.8	4418.9	4405.0	4402.2	4388.3
50°	4170.9	4193.2	4179.3	4165.4	4157.0
52.5°	3939.7	3950.8	3934.1	3928.5	3909.0
55°	3663.8	3697.3	3683.3	3672.2	3663.8
57.5°	3410.3	3435.4	3424.2	3401.9	3388.0
60°	3140.0	3159.5	3154.0	3128.9	3126.1
62.5°	2875.3	2880.9	2875.3	2830.8	2833.6
65°	2588.4	2593.9	2557.7	2521.5	2529.9
67.5°	2287.5	2304.2	2254.0	2201.1	2237.3
70°	1994.9	1989.3	1950.3	1891.8	1944.8
72.5°	1694.0	1688.4	1643.9	1602.1	1638.3
75°	1393.1	1370.8	1326.2	1306.7	1331.8
77.5°	1081.0	1056.0	1036.5	1022.5	1033.7
80°	799.6	766.2	749.5	738.3	763.4
82.5°	532.2	507.1	498.7	507.1	501.5
85°	298.1	292.6	292.6	284.2	273.0
87.5°	122.6	128.2	131.0	128.2	122.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)