

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: P567682

Luminaire Tested: **8SNX-200HL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567682
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-200HL-FDL-UNV-L830-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

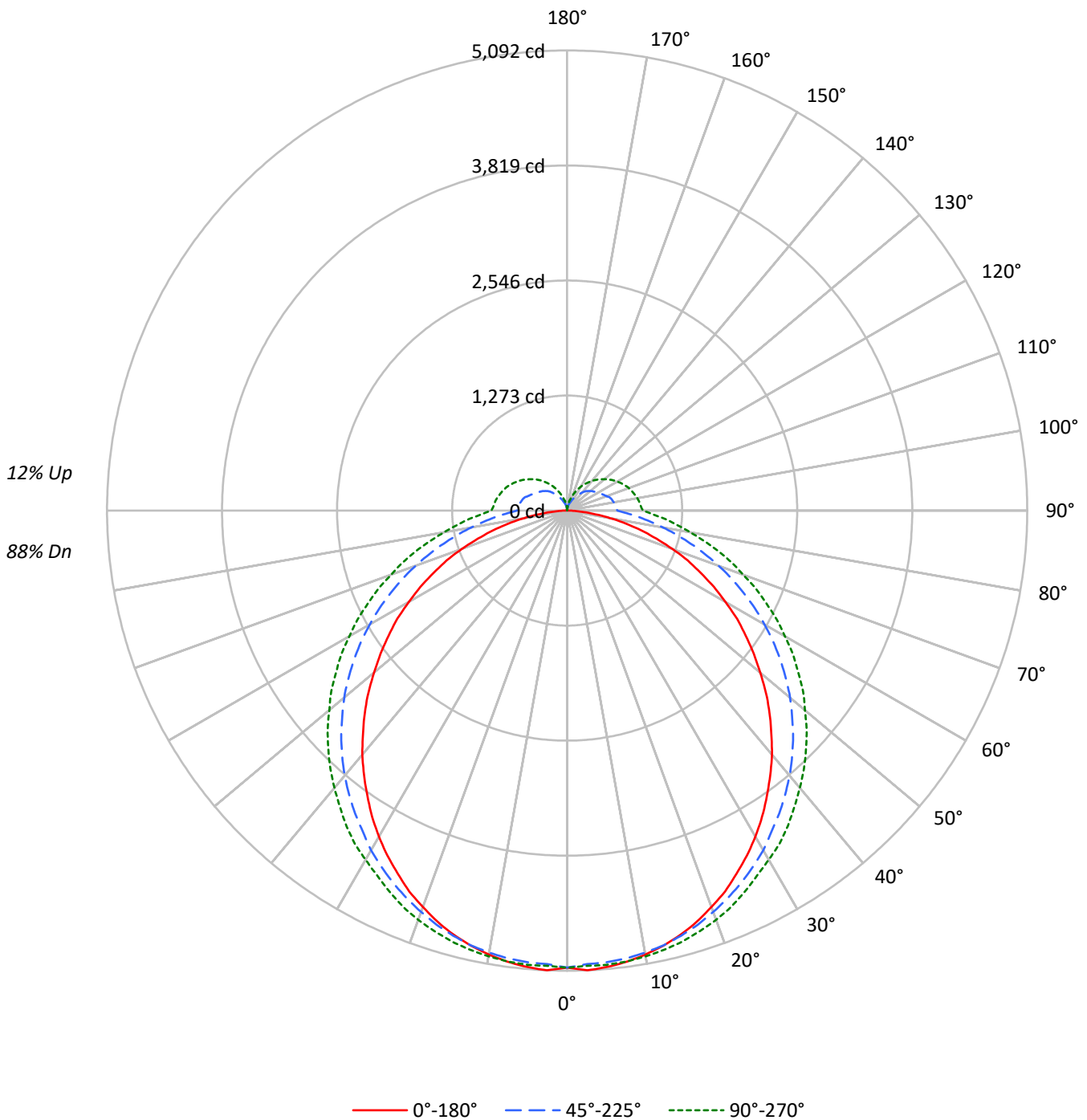
Lumens per Lamp: N/A
Luminaire Lumens: 18208.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Semi-Direct

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

TEST NUMBER: P567682

CATALOG NUMBER: 8SNX-200HL-FDL-UNV-L830-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	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°	27219	27219	27219
5°	27378	26819	26864
10°	27239	26576	26585
15°	27030	26281	26326
20°	26683	25926	26030
25°	26266	25566	25634
30°	25810	25204	25295
35°	25229	24770	25060
40°	24668	24412	24696
45°	23987	23996	24390
50°	23195	23556	24002
55°	22449	23011	23656
60°	21587	22430	23231
65°	20537	21766	22817
70°	19205	21039	22347
75°	17299	20251	22185
80°	14643	19793	22008
85°	10904	20308	23197



TEST NUMBER: P567682

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.1	2.6
10°-20°	1381.1	7.6
20°-30°	2101.1	11.5
30°-40°	2554.7	14.0
40°-50°	2702.8	14.8
50°-60°	2533.5	13.9
60°-70°	2084.2	11.4
70°-80°	1442.1	7.9
80°-90°	801.9	4.4
90°-100°	528.3	2.9
100°-110°	473.7	2.6
110°-120°	392.1	2.2
120°-130°	303.1	1.7
130°-140°	214.6	1.2
140°-150°	129.4	0.7
150°-160°	62.2	0.3
160°-170°	20.4	0.1
170°-180°	2.5	0.0
0°-30°	3962.3	21.8
0°-40°	6517.0	35.8
0°-60°	11753.4	64.6
0°-90°	16081.7	88.3
90°-120°	1394.1	7.7
90°-150°	2041.3	11.2
90°-180°	2126.0	11.7
0°-180°	18208.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5058	5058	5058	5058	5058	
5°	5070	5061	5017	5058	5045	481
15°	4858	4874	4870	4936	4936	1369
25°	4434	4496	4549	4649	4652	2044
35°	3854	3957	4091	4222	4259	2412
45°	3168	3333	3536	3695	3738	2442
55°	2410	2625	2878	3059	3121	2158
65°	1631	1865	2155	2367	2432	1617
75°	848	1094	1416	1640	1730	900
85°	187	465	786	1004	1091	215
90°	3	262	555	764	839	12
95°	3	249	539	739	811	3
105°	3	215	505	695	758	3
115°	6	187	427	617	686	5
125°	6	159	365	527	592	6
135°	6	125	306	433	486	5
145°	6	90	212	327	368	4
155°	9	62	131	209	243	4
165°	9	40	72	97	125	3
175°	9	16	22	22	12	1
180°	6	6	6	6	6	



TEST NUMBER: P567682

CATALOG NUMBER: 8SNX-200HL-FDL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5057.5	5057.5	5057.5	5057.5	5057.5
2.5°	5091.8	5076.2	5023.2	5057.5	5041.9
5°	5070.0	5060.6	5016.9	5057.5	5045.0
7.5°	5035.7	5032.5	4998.2	5045.0	5032.5
10°	4988.9	4995.1	4967.1	5016.9	5007.6
12.5°	4929.6	4939.0	4926.5	4982.6	4976.4
15°	4857.9	4873.5	4870.4	4935.9	4935.9
17.5°	4770.6	4792.4	4804.9	4879.7	4879.7
20°	4667.7	4702.0	4727.0	4808.0	4820.5
22.5°	4564.8	4605.4	4642.8	4727.0	4745.7
25°	4433.9	4496.2	4549.2	4649.0	4652.1
27.5°	4306.0	4374.6	4446.3	4543.0	4552.4
30°	4165.7	4253.0	4340.3	4433.9	4461.9
32.5°	4016.0	4112.7	4209.4	4334.1	4371.5
35°	3853.9	3956.8	4090.9	4221.8	4259.3
37.5°	3691.8	3807.1	3963.0	4097.1	4131.4
40°	3526.5	3654.4	3829.0	3966.2	4006.7
42.5°	3342.6	3498.5	3685.5	3832.1	3878.9
45°	3167.9	3333.2	3535.9	3694.9	3738.5
47.5°	2984.0	3158.6	3376.8	3545.2	3595.1
50°	2787.5	2987.1	3220.9	3389.3	3436.1
52.5°	2603.6	2806.2	3052.6	3227.2	3292.7
55°	2410.3	2625.4	2878.0	3058.8	3121.2
57.5°	2229.4	2435.2	2706.5	2887.3	2965.3
60°	2023.6	2251.2	2522.5	2718.9	2781.3
62.5°	1830.3	2061.0	2341.7	2544.3	2616.0
65°	1630.7	1864.6	2154.6	2366.6	2432.1
67.5°	1443.7	1674.4	1970.6	2179.5	2263.7
70°	1237.9	1481.1	1783.5	1998.7	2070.4
72.5°	1035.2	1287.8	1596.4	1827.2	1908.2
75°	848.1	1094.4	1415.6	1640.1	1730.5
77.5°	667.3	916.7	1241.0	1471.7	1549.7
80°	486.4	748.3	1078.8	1306.5	1381.3
82.5°	321.2	595.5	922.9	1150.6	1231.6
85°	187.1	464.6	785.7	1004.0	1091.3
87.5°	81.1	352.3	657.9	873.1	944.8
90°	3.1	261.9	555.0	763.9	838.8
92.5°	3.1	255.7	542.5	748.3	820.0
95°	3.1	249.4	539.4	739.0	810.7
97.5°	3.1	246.3	533.2	732.7	801.3
100°	3.1	237.0	523.8	720.3	788.9
102.5°	3.1	224.5	514.5	707.8	773.3
105°	3.1	215.1	505.1	695.3	757.7
107.5°	3.1	205.8	489.5	679.7	742.1
110°	3.1	196.4	464.6	664.1	726.5



TEST NUMBER: P567682

CATALOG NUMBER: 8SNX-200HL-FDL-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	193.3	445.9	642.3	707.8
115°	6.2	187.1	427.2	617.4	686.0
117.5°	6.2	184.0	411.6	592.4	664.1
120°	6.2	174.6	396.0	570.6	639.2
122.5°	6.2	165.3	380.4	548.8	617.4
125°	6.2	159.0	364.8	527.0	592.4
127.5°	6.2	149.7	352.3	505.1	564.4
130°	6.2	143.4	336.7	480.2	539.4
132.5°	6.2	134.1	321.2	455.2	511.4
135°	6.2	124.7	305.6	433.4	486.4
137.5°	6.2	112.2	286.9	408.5	458.4
140°	6.2	102.9	261.9	383.5	430.3
142.5°	6.2	96.7	237.0	355.5	399.1
145°	6.2	90.4	212.0	327.4	367.9
147.5°	6.2	84.2	190.2	299.3	336.7
150°	6.2	74.8	168.4	274.4	305.6
152.5°	9.4	68.6	149.7	243.2	274.4
155°	9.4	62.4	131.0	208.9	243.2
157.5°	9.4	56.1	112.2	174.6	212.0
160°	9.4	49.9	96.7	143.4	180.8
162.5°	9.4	46.8	84.2	118.5	152.8
165°	9.4	40.5	71.7	96.7	124.7
167.5°	9.4	31.2	59.2	74.8	102.9
170°	9.4	24.9	46.8	53.0	78.0
172.5°	9.4	18.7	34.3	37.4	40.5
175°	9.4	15.6	21.8	21.8	12.5
177.5°	9.4	12.5	12.5	12.5	6.2
180°	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)