

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: P567710

Luminaire Tested: **8SNX-200HL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567710
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-LW-UNV-L930-CD
Description: 8FT 20000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

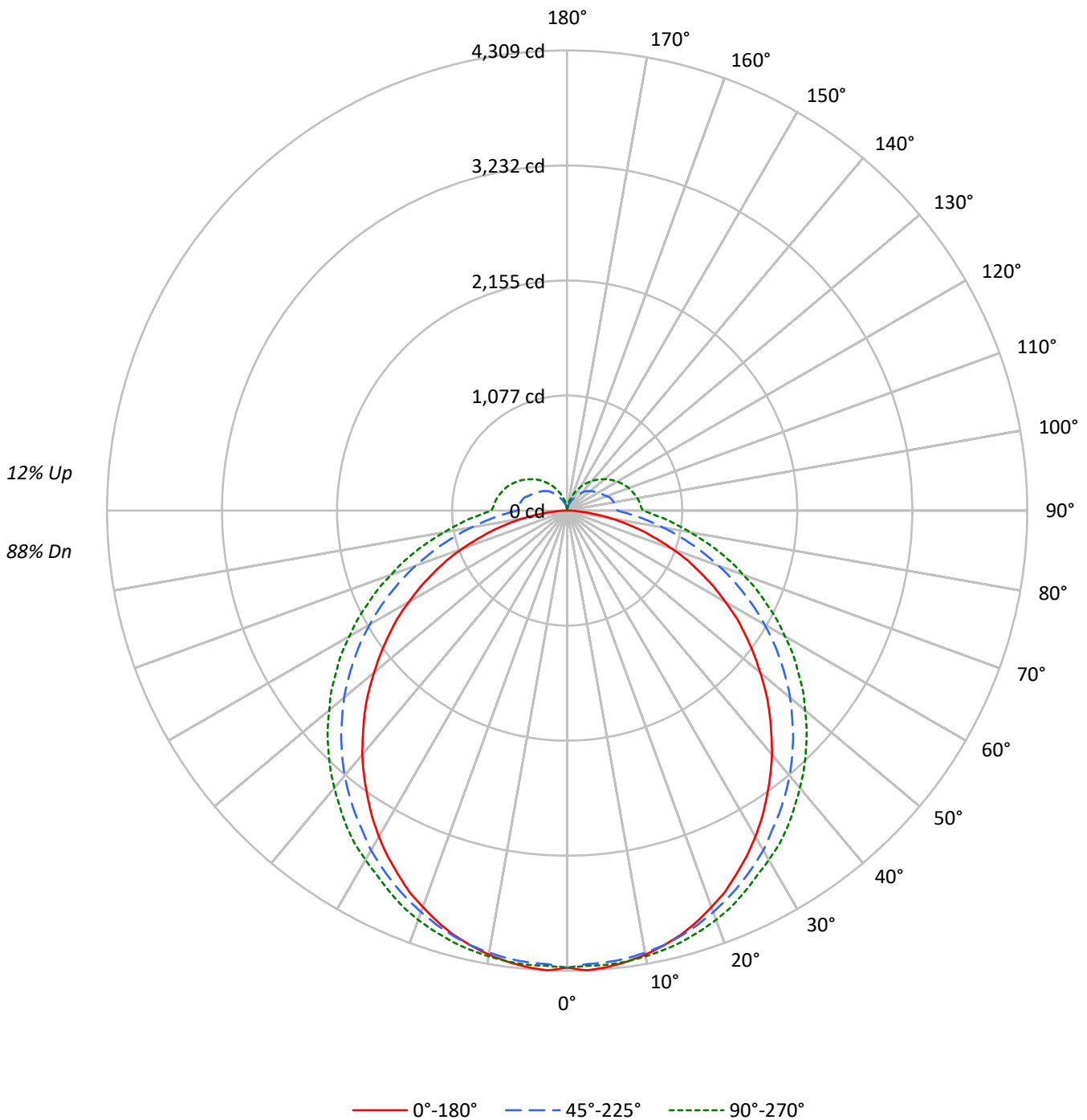
Lumens per Lamp: N/A
Luminaire Lumens: 15410.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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

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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	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°	23036	23036	23036
5°	23139	22003	21796
10°	22990	21160	20725
15°	22781	20320	19748
20°	22455	19468	18803
25°	22069	18639	17836
30°	21650	17825	16946
35°	21122	16970	16146
40°	20608	16171	15278
45°	19990	15326	14449
50°	19275	14452	13569
55°	18588	13489	12697
60°	17792	12475	11759
65°	16824	11369	10788
70°	15592	10170	9737
75°	13849	8852	8731
80°	11412	7533	7578
85°	7895	6263	6616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.4	2.6
10°-20°	1168.9	7.6
20°-30°	1778.2	11.5
30°-40°	2162.1	14.0
40°-50°	2287.5	14.8
50°-60°	2144.2	13.9
60°-70°	1764.0	11.4
70°-80°	1220.5	7.9
80°-90°	678.7	4.4
90°-100°	447.1	2.9
100°-110°	400.9	2.6
110°-120°	331.9	2.2
120°-130°	256.6	1.7
130°-140°	181.6	1.2
140°-150°	109.6	0.7
150°-160°	52.6	0.3
160°-170°	17.2	0.1
170°-180°	2.1	0.0
0°-30°	3353.5	21.8
0°-40°	5515.6	35.8
0°-60°	9947.3	64.6
0°-90°	13610.4	88.3
90°-120°	1179.9	7.7
90°-150°	1727.6	11.2
90°-180°	1800.0	11.7
0°-180°	15410.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4280	4280	4280	4280	4280	
5°	4291	4283	4246	4280	4270	407
15°	4111	4125	4122	4177	4177	1159
25°	3752	3805	3850	3935	3937	1730
35°	3262	3349	3462	3573	3605	2041
45°	2681	2821	2992	3127	3164	2067
55°	2040	2222	2436	2589	2642	1826
65°	1380	1578	1824	2003	2058	1368
75°	718	926	1198	1388	1465	761
85°	158	393	665	850	924	182
90°	3	222	470	646	710	10
95°	3	211	456	625	686	2
105°	3	182	428	588	641	3
115°	5	158	362	522	581	4
125°	5	135	309	446	501	5
135°	5	106	259	367	412	4
145°	5	76	179	277	311	3
155°	8	53	111	177	206	3
165°	8	34	61	82	106	2
175°	8	13	18	18	11	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4280.3	4280.3	4280.3	4280.3	4280.3
2.5°	4309.3	4296.1	4251.3	4280.3	4267.1
5°	4290.9	4282.9	4246.0	4280.3	4269.7
7.5°	4261.8	4259.2	4230.2	4269.7	4259.2
10°	4222.2	4227.5	4203.8	4246.0	4238.1
12.5°	4172.1	4180.0	4169.5	4217.0	4211.7
15°	4111.4	4124.6	4122.0	4177.4	4177.4
17.5°	4037.5	4056.0	4066.6	4129.9	4129.9
20°	3950.4	3979.5	4000.6	4069.2	4079.7
22.5°	3863.4	3897.7	3929.3	4000.6	4016.4
25°	3752.5	3805.3	3850.2	3934.6	3937.2
27.5°	3644.3	3702.4	3763.1	3844.9	3852.8
30°	3525.6	3599.5	3673.4	3752.5	3776.3
32.5°	3398.9	3480.7	3562.5	3668.1	3699.7
35°	3261.7	3348.8	3462.2	3573.1	3604.7
37.5°	3124.5	3222.1	3354.0	3467.5	3496.5
40°	2984.6	3092.8	3240.6	3356.7	3391.0
42.5°	2828.9	2960.9	3119.2	3243.2	3282.8
45°	2681.1	2821.0	2992.5	3127.1	3164.0
47.5°	2525.4	2673.2	2857.9	3000.4	3042.7
50°	2359.2	2528.1	2726.0	2868.5	2908.1
52.5°	2203.5	2375.0	2583.5	2731.3	2786.7
55°	2039.9	2222.0	2435.7	2588.8	2641.5
57.5°	1886.8	2061.0	2290.6	2443.6	2509.6
60°	1712.6	1905.3	2134.9	2301.1	2353.9
62.5°	1549.0	1744.3	1981.8	2153.3	2214.0
65°	1380.1	1578.1	1823.5	2002.9	2058.3
67.5°	1221.8	1417.1	1667.8	1844.6	1915.8
70°	1047.6	1253.5	1509.5	1691.5	1752.2
72.5°	876.1	1089.9	1351.1	1546.4	1615.0
75°	717.8	926.3	1198.1	1388.1	1464.6
77.5°	564.7	775.8	1050.3	1245.6	1311.5
80°	411.7	633.3	913.1	1105.7	1169.0
82.5°	271.8	504.0	781.1	973.8	1042.4
85°	158.3	393.2	665.0	849.7	923.6
87.5°	68.6	298.2	556.8	738.9	799.6
90°	2.6	221.7	469.7	646.5	709.9
92.5°	2.6	216.4	459.2	633.3	694.0
95°	2.6	211.1	456.5	625.4	686.1
97.5°	2.6	208.5	451.3	620.1	678.2
100°	2.6	200.6	443.3	609.6	667.6
102.5°	2.6	190.0	435.4	599.0	654.4
105°	2.6	182.1	427.5	588.5	641.3
107.5°	2.6	174.2	414.3	575.3	628.1
110°	2.6	166.3	393.2	562.1	614.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	163.6	377.4	543.6	599.0
115°	5.3	158.3	361.5	522.5	580.6
117.5°	5.3	155.7	348.3	501.4	562.1
120°	5.3	147.8	335.1	482.9	541.0
122.5°	5.3	139.9	321.9	464.4	522.5
125°	5.3	134.6	308.8	446.0	501.4
127.5°	5.3	126.7	298.2	427.5	477.6
130°	5.3	121.4	285.0	406.4	456.5
132.5°	5.3	113.5	271.8	385.3	432.8
135°	5.3	105.6	258.6	366.8	411.7
137.5°	5.3	95.0	242.8	345.7	387.9
140°	5.3	87.1	221.7	324.6	364.2
142.5°	5.3	81.8	200.6	300.8	337.8
145°	5.3	76.5	179.4	277.1	311.4
147.5°	5.3	71.3	161.0	253.3	285.0
150°	5.3	63.3	142.5	232.2	258.6
152.5°	7.9	58.1	126.7	205.8	232.2
155°	7.9	52.8	110.8	176.8	205.8
157.5°	7.9	47.5	95.0	147.8	179.4
160°	7.9	42.2	81.8	121.4	153.1
162.5°	7.9	39.6	71.3	100.3	129.3
165°	7.9	34.3	60.7	81.8	105.6
167.5°	7.9	26.4	50.1	63.3	87.1
170°	7.9	21.1	39.6	44.9	66.0
172.5°	7.9	15.8	29.0	31.7	34.3
175°	7.9	13.2	18.5	18.5	10.6
177.5°	7.9	10.6	10.6	10.6	5.3
180°	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)