

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: P565763

Luminaire Tested: **2SNX-44HL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565763
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: 2SNX-44HL-LW-UNV-L835-CD
Description: 2FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

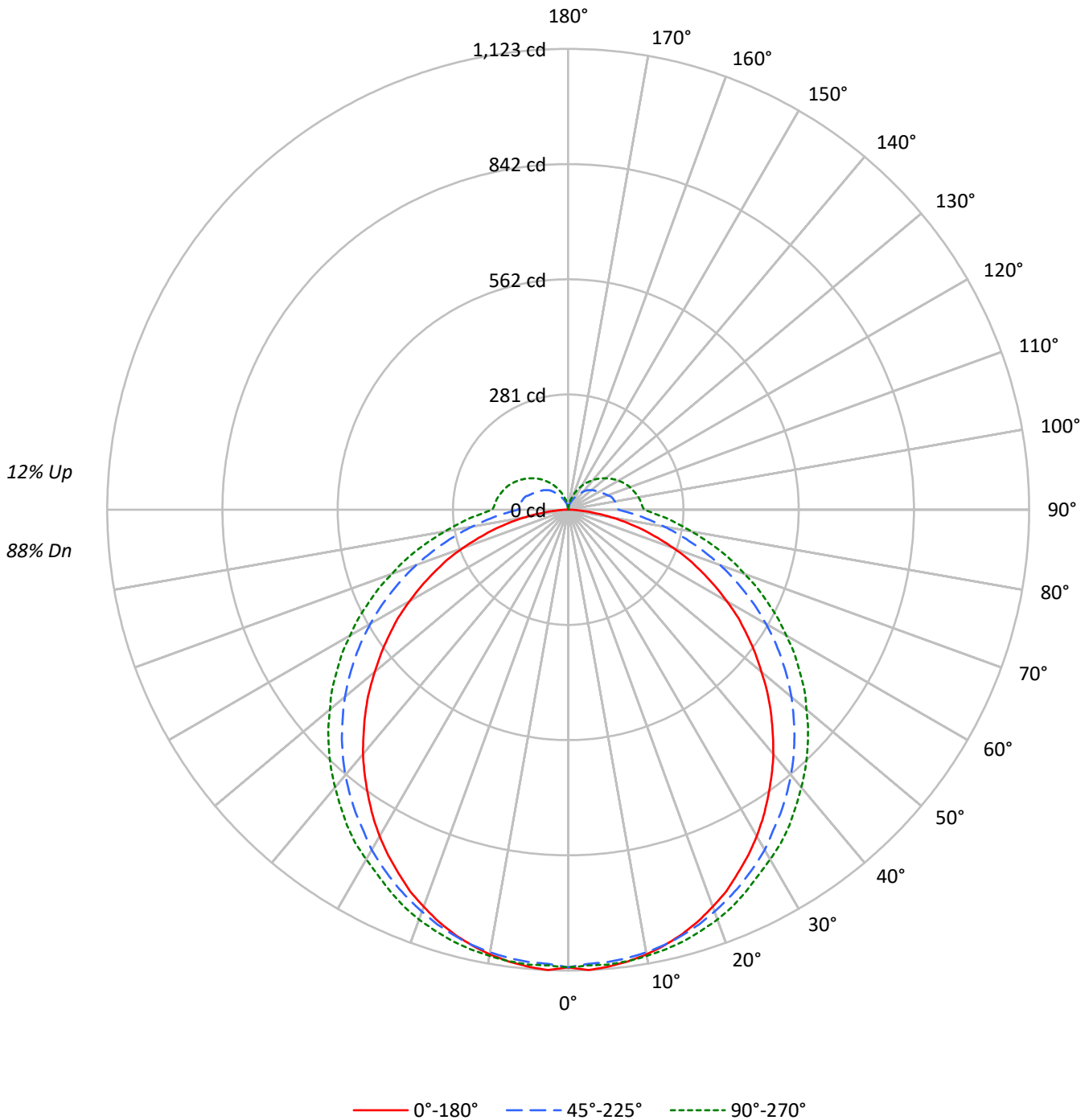
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4015.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 31.1
Input Voltage (V): NR
Input Current (A_{in}): 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: P565763
CATALOG NUMBER: 2SNX-44HL-LW-UNV-L835-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°	24008	24008	24008
5°	23985	22847	22716
10°	23700	21896	21599
15°	23353	20958	20581
20°	22887	20015	19597
25°	22355	19103	18588
30°	21787	18215	17660
35°	21102	17288	16827
40°	20424	16420	15922
45°	19633	15512	15059
50°	18727	14574	14141
55°	17827	13553	13232
60°	16788	12482	12255
65°	15540	11323	11244
70°	13982	10075	10147
75°	11864	8713	9100
80°	9033	7359	7899
85°	5225	6062	6894



TEST NUMBER: P565763

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	2.6
10°-20°	304.5	7.6
20°-30°	463.3	11.5
30°-40°	563.3	14.0
40°-50°	596.0	14.8
50°-60°	558.7	13.9
60°-70°	459.6	11.4
70°-80°	318.0	7.9
80°-90°	176.8	4.4
90°-100°	116.5	2.9
100°-110°	104.5	2.6
110°-120°	86.5	2.2
120°-130°	66.8	1.7
130°-140°	47.3	1.2
140°-150°	28.5	0.7
150°-160°	13.7	0.3
160°-170°	4.5	0.1
170°-180°	0.5	0.0
0°-30°	873.7	21.8
0°-40°	1437.1	35.8
0°-60°	2591.7	64.6
0°-90°	3546.1	88.3
90°-120°	307.4	7.7
90°-150°	450.1	11.2
90°-180°	469.0	11.7
0°-180°	4015.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1118	1116	1106	1115	1112	106
15°	1071	1075	1074	1088	1088	302
25°	978	992	1003	1025	1026	451
35°	850	872	902	931	939	532
45°	699	735	780	815	824	538
55°	532	579	635	674	688	476
65°	360	411	475	522	536	357
75°	187	241	312	362	382	198
85°	41	102	173	221	241	47
90°	1	58	122	168	185	3
95°	1	55	119	163	179	1
105°	1	47	111	153	167	1
115°	1	41	94	136	151	1
125°	1	35	80	116	131	1
135°	1	28	67	96	107	1
145°	1	20	47	72	81	1
155°	2	14	29	46	54	1
165°	2	9	16	21	28	1
175°	2	3	5	5	3	0
180°	1	1	1	1	1	



TEST NUMBER: P565763

CATALOG NUMBER: 2SNX-44HL-LW-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1115.2	1115.2	1115.2	1115.2	1115.2
2.5°	1122.8	1119.3	1107.6	1115.2	1111.8
5°	1118.0	1115.9	1106.3	1115.2	1112.5
7.5°	1110.4	1109.7	1102.1	1112.5	1109.7
10°	1100.1	1101.5	1095.3	1106.3	1104.2
12.5°	1087.0	1089.1	1086.3	1098.7	1097.3
15°	1071.2	1074.6	1074.0	1088.4	1088.4
17.5°	1052.0	1056.8	1059.5	1076.0	1076.0
20°	1029.3	1036.8	1042.3	1060.2	1063.0
22.5°	1006.6	1015.5	1023.8	1042.3	1046.5
25°	977.7	991.5	1003.1	1025.1	1025.8
27.5°	949.5	964.6	980.5	1001.8	1003.8
30°	918.6	937.8	957.1	977.7	983.9
32.5°	885.6	906.9	928.2	955.7	963.9
35°	849.8	872.5	902.1	930.9	939.2
37.5°	814.1	839.5	873.9	903.4	911.0
40°	777.6	805.8	844.3	874.6	883.5
42.5°	737.1	771.4	812.7	845.0	855.3
45°	698.6	735.0	779.7	814.8	824.4
47.5°	658.0	696.5	744.6	781.7	792.7
50°	614.7	658.7	710.2	747.4	757.7
52.5°	574.1	618.8	673.1	711.6	726.1
55°	531.5	578.9	634.6	674.5	688.2
57.5°	491.6	537.0	596.8	636.7	653.9
60°	446.2	496.4	556.2	599.5	613.3
62.5°	403.6	454.5	516.4	561.0	576.9
65°	359.6	411.2	475.1	521.9	536.3
67.5°	318.3	369.2	434.5	480.6	499.2
70°	273.0	326.6	393.3	440.7	456.5
72.5°	228.3	284.0	352.0	402.9	420.8
75°	187.0	241.3	312.1	361.7	381.6
77.5°	147.1	202.1	273.6	324.5	341.7
80°	107.3	165.0	237.9	288.1	304.6
82.5°	70.8	131.3	203.5	253.7	271.6
85°	41.3	102.4	173.3	221.4	240.6
87.5°	17.9	77.7	145.1	192.5	208.3
90°	0.7	57.8	122.4	168.5	185.0
92.5°	0.7	56.4	119.6	165.0	180.8
95°	0.7	55.0	118.9	163.0	178.8
97.5°	0.7	54.3	117.6	161.6	176.7
100°	0.7	52.3	115.5	158.8	174.0
102.5°	0.7	49.5	113.4	156.1	170.5
105°	0.7	47.4	111.4	153.3	167.1
107.5°	0.7	45.4	107.9	149.9	163.6
110°	0.7	43.3	102.4	146.4	160.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	42.6	98.3	141.6	156.1
115°	1.4	41.3	94.2	136.1	151.3
117.5°	1.4	40.6	90.8	130.6	146.4
120°	1.4	38.5	87.3	125.8	140.9
122.5°	1.4	36.4	83.9	121.0	136.1
125°	1.4	35.1	80.4	116.2	130.6
127.5°	1.4	33.0	77.7	111.4	124.4
130°	1.4	31.6	74.3	105.9	118.9
132.5°	1.4	29.6	70.8	100.4	112.8
135°	1.4	27.5	67.4	95.6	107.3
137.5°	1.4	24.8	63.3	90.1	101.1
140°	1.4	22.7	57.8	84.6	94.9
142.5°	1.4	21.3	52.3	78.4	88.0
145°	1.4	19.9	46.8	72.2	81.1
147.5°	1.4	18.6	41.9	66.0	74.3
150°	1.4	16.5	37.1	60.5	67.4
152.5°	2.1	15.1	33.0	53.6	60.5
155°	2.1	13.8	28.9	46.1	53.6
157.5°	2.1	12.4	24.8	38.5	46.8
160°	2.1	11.0	21.3	31.6	39.9
162.5°	2.1	10.3	18.6	26.1	33.7
165°	2.1	8.9	15.8	21.3	27.5
167.5°	2.1	6.9	13.1	16.5	22.7
170°	2.1	5.5	10.3	11.7	17.2
172.5°	2.1	4.1	7.6	8.3	8.9
175°	2.1	3.4	4.8	4.8	2.8
177.5°	2.1	2.8	2.8	2.8	1.4
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)