

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: P566447

Luminaire Tested: **4SNX-45SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-45SL-LW-UNV-L835-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

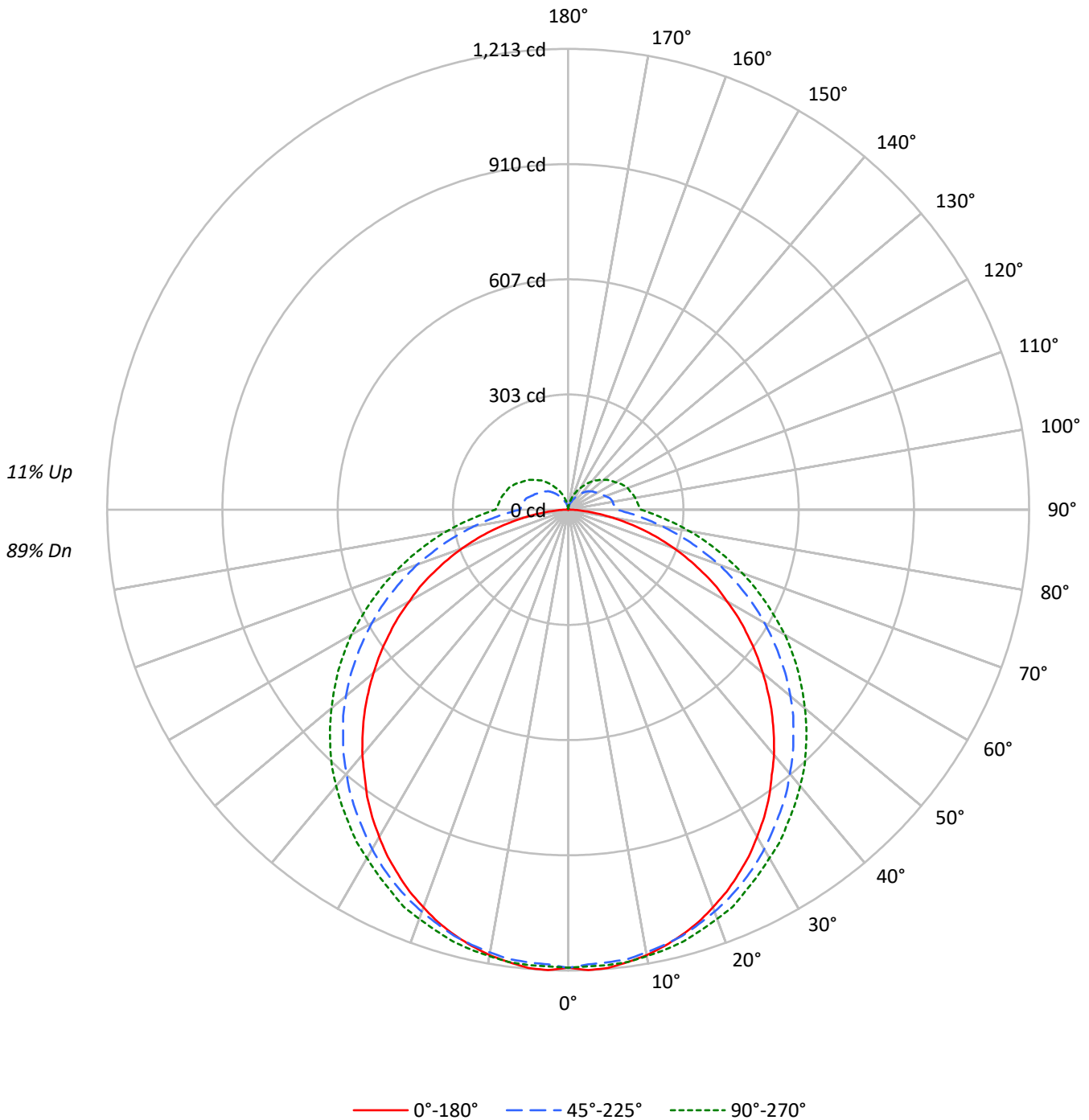
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4292.0 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 29.8
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

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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	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12977	12977	12977
5°	13033	12377	12283
10°	12919	11884	11670
15°	12766	11406	11117
20°	12567	10910	10564
25°	12338	10435	10022
30°	12068	9946	9504
35°	11774	9456	9019
40°	11441	8976	8557
45°	11080	8496	8083
50°	10668	8003	7586
55°	10215	7451	7098
60°	9684	6877	6581
65°	9125	6258	5993
70°	8353	5597	5415
75°	7335	4828	4801
80°	5731	4053	4190
85°	3740	3333	3562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	2.7
10°-20°	329.1	7.7
20°-30°	500.5	11.7
30°-40°	607.5	14.2
40°-50°	642.0	15.0
50°-60°	600.7	14.0
60°-70°	492.9	11.5
70°-80°	339.0	7.9
80°-90°	185.7	4.3
90°-100°	119.6	2.8
100°-110°	107.3	2.5
110°-120°	88.8	2.1
120°-130°	68.4	1.6
130°-140°	48.0	1.1
140°-150°	29.0	0.7
150°-160°	13.9	0.3
160°-170°	4.6	0.1
170°-180°	0.5	0.0
0°-30°	944.1	22.0
0°-40°	1551.7	36.2
0°-60°	2794.4	65.1
0°-90°	3812.0	88.8
90°-120°	315.6	7.4
90°-150°	461.0	10.7
90°-180°	480.0	11.2
0°-180°	4292.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1211	1208	1196	1206	1203	115
15°	1158	1163	1161	1176	1176	327
25°	1059	1071	1084	1106	1106	488
35°	922	945	972	999	1007	576
45°	758	793	838	875	885	584
55°	577	624	681	723	738	516
65°	390	442	510	557	572	387
75°	204	258	333	385	403	215
85°	45	107	182	231	249	52
90°	0	60	127	174	191	3
95°	0	57	122	167	184	0
105°	0	47	114	157	172	2
115°	2	42	97	139	157	2
125°	2	35	82	119	134	2
135°	2	27	67	97	109	2
145°	2	20	47	75	82	2
155°	2	12	30	47	55	1
165°	2	8	15	22	27	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1205.6	1205.6	1205.6	1205.6	1205.6
2.5°	1213.1	1210.6	1198.2	1208.1	1203.1
5°	1210.6	1208.1	1195.7	1205.6	1203.1
7.5°	1200.7	1200.7	1193.2	1203.1	1200.7
10°	1190.7	1190.7	1183.3	1195.7	1193.2
12.5°	1175.8	1178.3	1173.3	1188.2	1185.7
15°	1158.4	1163.4	1160.9	1175.8	1175.8
17.5°	1138.5	1143.5	1143.5	1160.9	1160.9
20°	1113.7	1121.1	1126.1	1146.0	1146.0
22.5°	1088.8	1098.7	1106.2	1123.6	1131.1
25°	1059.0	1071.4	1083.8	1106.2	1106.2
27.5°	1029.1	1044.1	1059.0	1081.3	1083.8
30°	994.3	1011.7	1031.6	1054.0	1059.0
32.5°	959.5	981.9	1001.8	1029.1	1036.6
35°	922.2	944.6	972.0	999.3	1006.8
37.5°	880.0	907.3	942.1	972.0	979.4
40°	842.7	872.5	907.3	942.1	949.6
42.5°	800.4	832.8	875.0	907.3	919.8
45°	758.2	793.0	837.7	875.0	885.0
47.5°	713.4	753.2	802.9	837.7	850.2
50°	668.7	711.0	763.2	802.9	812.9
52.5°	623.9	668.7	723.4	763.2	775.6
55°	576.7	623.9	681.1	723.4	738.3
57.5°	532.0	579.2	638.9	683.6	698.5
60°	482.3	536.9	596.6	641.3	658.7
62.5°	440.0	489.7	554.3	599.1	614.0
65°	390.3	442.5	509.6	556.8	571.7
67.5°	343.0	397.7	464.9	514.6	529.5
70°	295.8	350.5	422.6	469.8	487.2
72.5°	248.6	305.8	375.4	427.6	445.0
75°	203.8	258.5	333.1	385.3	402.7
77.5°	156.6	216.3	290.8	343.0	362.9
80°	114.3	176.5	251.1	303.3	323.2
82.5°	77.1	139.2	213.8	266.0	285.9
85°	44.7	106.9	181.5	231.2	248.6
87.5°	22.4	82.0	151.6	201.4	218.8
90°	0.0	59.7	126.8	174.0	191.4
92.5°	0.0	57.2	124.3	169.0	186.4
95°	0.0	57.2	121.8	166.6	184.0
97.5°	0.0	54.7	119.3	166.6	181.5
100°	0.0	52.2	119.3	164.1	179.0
102.5°	0.0	49.7	116.8	161.6	176.5
105°	0.0	47.2	114.3	156.6	171.5
107.5°	2.5	47.2	109.4	154.1	169.0
110°	2.5	44.7	104.4	151.6	166.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	42.3	99.4	146.7	161.6
115°	2.5	42.3	96.9	139.2	156.6
117.5°	2.5	39.8	92.0	134.2	151.6
120°	2.5	39.8	89.5	129.3	144.2
122.5°	2.5	37.3	84.5	124.3	139.2
125°	2.5	34.8	82.0	119.3	134.2
127.5°	2.5	32.3	79.5	114.3	129.3
130°	2.5	29.8	74.6	109.4	121.8
132.5°	2.5	29.8	72.1	101.9	116.8
135°	2.5	27.3	67.1	96.9	109.4
137.5°	2.5	24.9	62.1	92.0	104.4
140°	2.5	22.4	57.2	87.0	96.9
142.5°	2.5	22.4	52.2	79.5	89.5
145°	2.5	19.9	47.2	74.6	82.0
147.5°	2.5	17.4	42.3	67.1	74.6
150°	2.5	17.4	37.3	59.7	67.1
152.5°	2.5	14.9	32.3	54.7	62.1
155°	2.5	12.4	29.8	47.2	54.7
157.5°	2.5	12.4	24.9	39.8	47.2
160°	2.5	9.9	22.4	32.3	39.8
162.5°	2.5	9.9	19.9	27.3	34.8
165°	2.5	7.5	14.9	22.4	27.3
167.5°	2.5	7.5	12.4	17.4	22.4
170°	2.5	5.0	9.9	12.4	17.4
172.5°	2.5	5.0	7.5	7.5	7.5
175°	2.5	2.5	5.0	5.0	2.5
177.5°	2.5	2.5	2.5	2.5	2.5
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)