

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: P566495

Luminaire Tested: **4SNX-48SL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566495
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-48SL-LW-UNV-L835-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

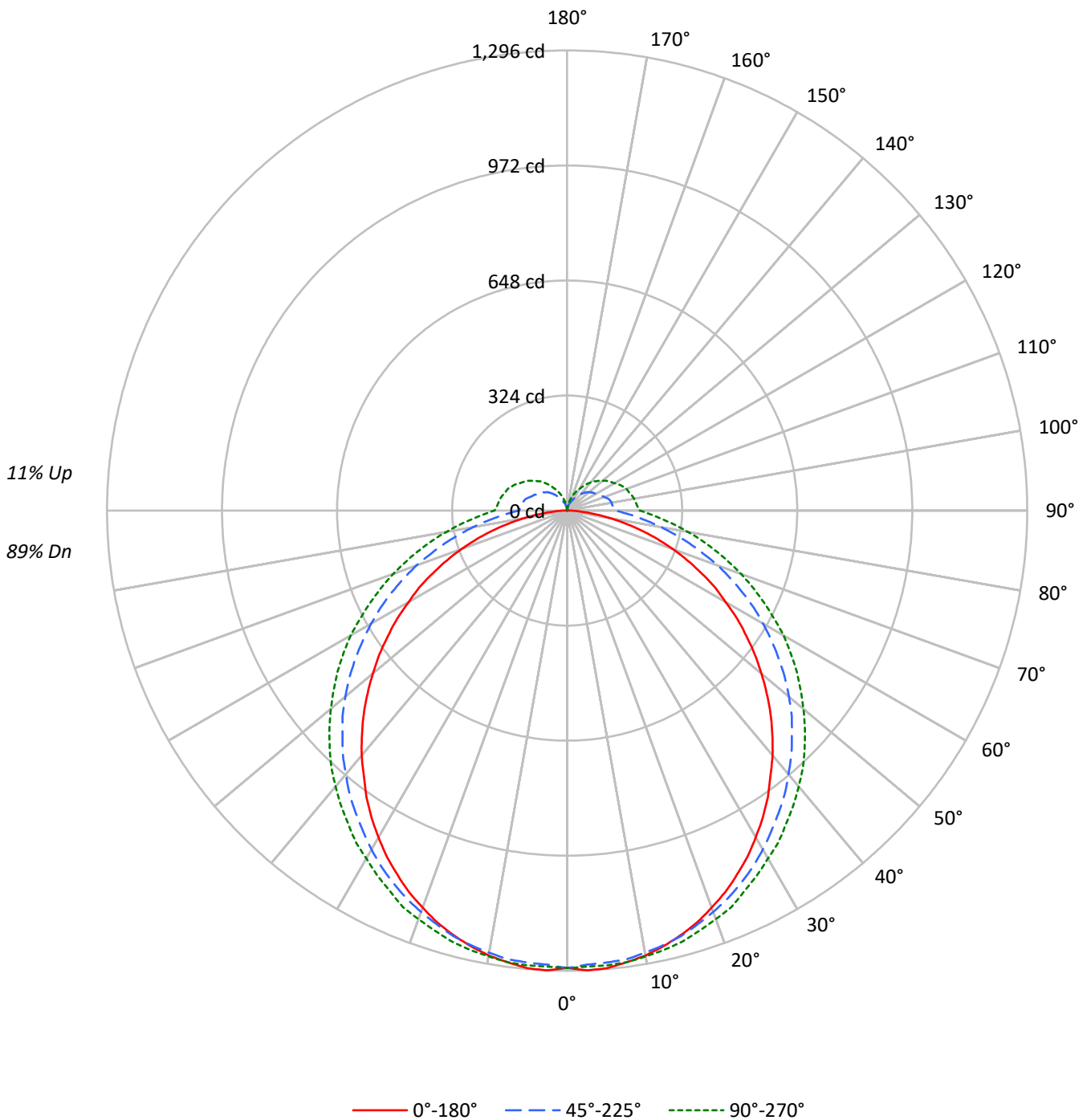
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4586.0 lumens
Efficiency: N/A
Efficacy: 142.9 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): 32.1
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

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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	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	77	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°	13866	13866	13866
5°	13926	13225	13125
10°	13805	12697	12469
15°	13641	12187	11878
20°	13426	11657	11287
25°	13182	11150	10709
30°	12894	10627	10155
35°	12581	10103	9637
40°	12224	9592	9142
45°	11838	9078	8637
50°	11399	8550	8105
55°	10914	7962	7584
60°	10347	7349	7033
65°	9750	6686	6404
70°	8926	5980	5786
75°	7839	5159	5130
80°	6127	4330	4477
85°	3999	3561	3805



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	2.7
10°-20°	351.7	7.7
20°-30°	534.8	11.7
30°-40°	649.1	14.2
40°-50°	686.0	15.0
50°-60°	641.9	14.0
60°-70°	526.7	11.5
70°-80°	362.3	7.9
80°-90°	198.4	4.3
90°-100°	127.7	2.8
100°-110°	114.6	2.5
110°-120°	94.9	2.1
120°-130°	73.1	1.6
130°-140°	51.3	1.1
140°-150°	30.9	0.7
150°-160°	14.8	0.3
160°-170°	4.9	0.1
170°-180°	0.6	0.0
0°-30°	1008.8	22.0
0°-40°	1658.0	36.2
0°-60°	2985.8	65.1
0°-90°	4073.1	88.8
90°-120°	337.3	7.4
90°-150°	492.6	10.7
90°-180°	513.0	11.2
0°-180°	4586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1288	1288	1288	1288	1288	
5°	1294	1291	1278	1288	1286	123
15°	1238	1243	1240	1256	1256	349
25°	1132	1145	1158	1182	1182	521
35°	985	1009	1038	1068	1076	616
45°	810	847	895	935	946	624
55°	616	667	728	773	789	551
65°	417	473	544	595	611	413
75°	218	276	356	412	430	229
85°	48	114	194	247	266	55
90°	0	64	136	186	204	3
95°	0	61	130	178	197	0
105°	0	50	122	167	183	2
115°	3	45	104	149	167	3
125°	3	37	88	128	143	2
135°	3	29	72	104	117	2
145°	3	21	50	80	88	2
155°	3	13	32	50	58	1
165°	3	8	16	24	29	1
175°	3	3	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1288.2	1288.2	1288.2	1288.2	1288.2
2.5°	1296.2	1293.5	1280.2	1290.9	1285.6
5°	1293.5	1290.9	1277.6	1288.2	1285.6
7.5°	1282.9	1282.9	1274.9	1285.6	1282.9
10°	1272.3	1272.3	1264.3	1277.6	1274.9
12.5°	1256.3	1259.0	1253.7	1269.6	1267.0
15°	1237.8	1243.1	1240.4	1256.3	1256.3
17.5°	1216.5	1221.8	1221.8	1240.4	1240.4
20°	1189.9	1197.9	1203.2	1224.5	1224.5
22.5°	1163.4	1174.0	1182.0	1200.6	1208.5
25°	1131.5	1144.8	1158.1	1182.0	1182.0
27.5°	1099.6	1115.6	1131.5	1155.4	1158.1
30°	1062.4	1081.0	1102.3	1126.2	1131.5
32.5°	1025.3	1049.2	1070.4	1099.6	1107.6
35°	985.4	1009.3	1038.5	1067.8	1075.7
37.5°	940.3	969.5	1006.7	1038.5	1046.5
40°	900.4	932.3	969.5	1006.7	1014.6
42.5°	855.3	889.8	935.0	969.5	982.8
45°	810.1	847.3	895.1	935.0	945.6
47.5°	762.3	804.8	857.9	895.1	908.4
50°	714.5	759.7	815.4	857.9	868.6
52.5°	666.7	714.5	772.9	815.4	828.7
55°	616.2	666.7	727.8	772.9	788.9
57.5°	568.4	618.9	682.6	730.4	746.4
60°	515.3	573.7	637.5	685.3	703.9
62.5°	470.1	523.3	592.3	640.1	656.1
65°	417.0	472.8	544.5	595.0	610.9
67.5°	366.5	425.0	496.7	549.8	565.8
70°	316.1	374.5	451.5	502.0	520.6
72.5°	265.6	326.7	401.1	456.9	475.4
75°	217.8	276.2	355.9	411.7	430.3
77.5°	167.3	231.1	310.8	366.5	387.8
80°	122.2	188.6	268.3	324.0	345.3
82.5°	82.3	148.7	228.4	284.2	305.5
85°	47.8	114.2	193.9	247.0	265.6
87.5°	23.9	87.7	162.0	215.1	233.7
90°	0.0	63.7	135.5	185.9	204.5
92.5°	0.0	61.1	132.8	180.6	199.2
95°	0.0	61.1	130.1	178.0	196.6
97.5°	0.0	58.4	127.5	178.0	193.9
100°	0.0	55.8	127.5	175.3	191.2
102.5°	0.0	53.1	124.8	172.6	188.6
105°	0.0	50.5	122.2	167.3	183.3
107.5°	2.7	50.5	116.9	164.7	180.6
110°	2.7	47.8	111.6	162.0	178.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	45.2	106.2	156.7	172.6
115°	2.7	45.2	103.6	148.7	167.3
117.5°	2.7	42.5	98.3	143.4	162.0
120°	2.7	42.5	95.6	138.1	154.1
122.5°	2.7	39.8	90.3	132.8	148.7
125°	2.7	37.2	87.7	127.5	143.4
127.5°	2.7	34.5	85.0	122.2	138.1
130°	2.7	31.9	79.7	116.9	130.1
132.5°	2.7	31.9	77.0	108.9	124.8
135°	2.7	29.2	71.7	103.6	116.9
137.5°	2.7	26.6	66.4	98.3	111.6
140°	2.7	23.9	61.1	93.0	103.6
142.5°	2.7	23.9	55.8	85.0	95.6
145°	2.7	21.2	50.5	79.7	87.7
147.5°	2.7	18.6	45.2	71.7	79.7
150°	2.7	18.6	39.8	63.7	71.7
152.5°	2.7	15.9	34.5	58.4	66.4
155°	2.7	13.3	31.9	50.5	58.4
157.5°	2.7	13.3	26.6	42.5	50.5
160°	2.7	10.6	23.9	34.5	42.5
162.5°	2.7	10.6	21.2	29.2	37.2
165°	2.7	8.0	15.9	23.9	29.2
167.5°	2.7	8.0	13.3	18.6	23.9
170°	2.7	5.3	10.6	13.3	18.6
172.5°	2.7	5.3	8.0	8.0	8.0
175°	2.7	2.7	5.3	5.3	2.7
177.5°	2.7	2.7	2.7	2.7	2.7
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)