

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: P566509

Luminaire Tested: **4SNX-48SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566509
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-SLW-UNV-L950-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

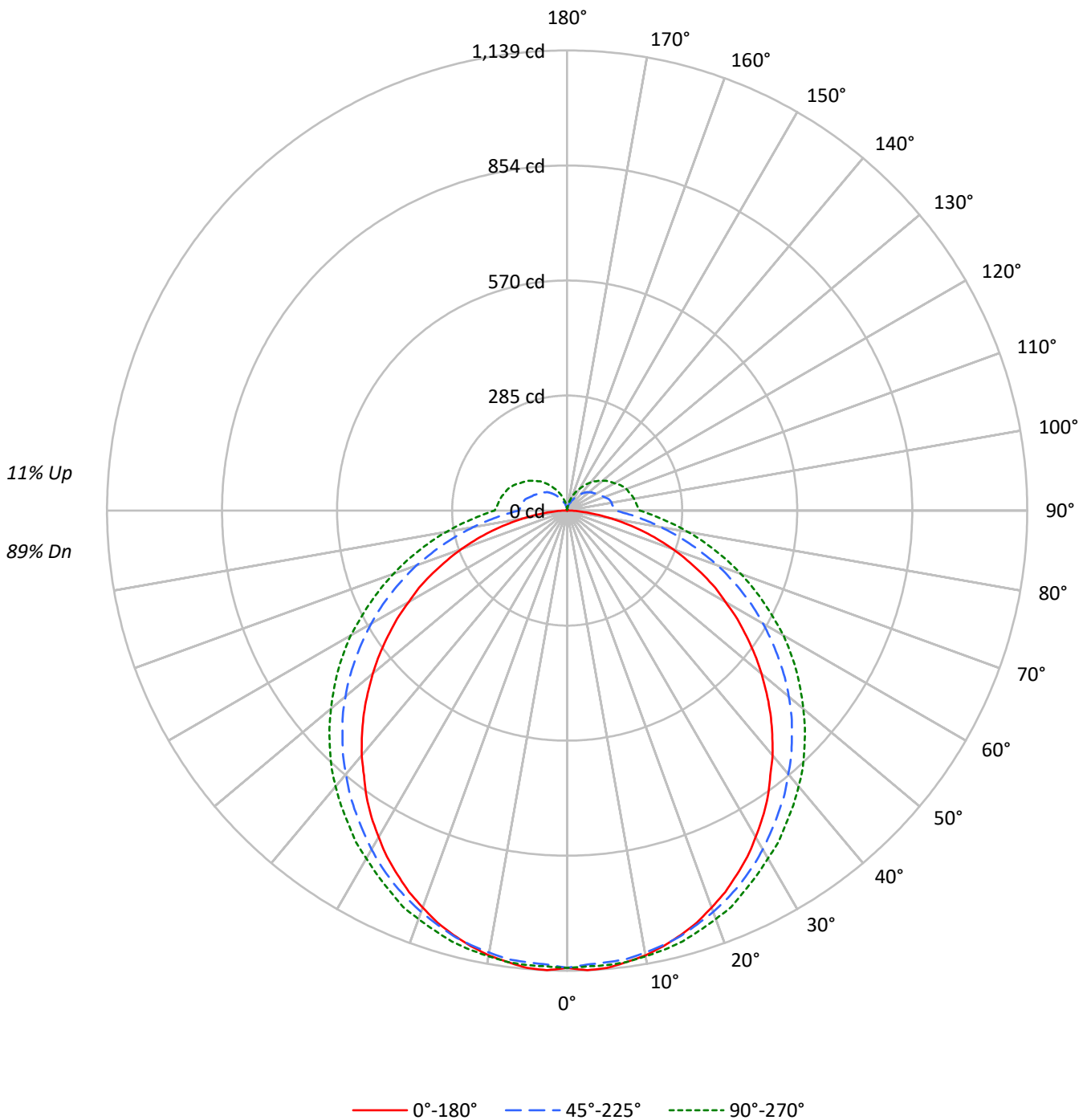
Lumens per Lamp: N/A
Luminaire Lumens: 4028.9 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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	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°	12183	12183	12183
5°	12257	11869	11859
10°	12173	11630	11566
15°	12051	11384	11295
20°	11885	11101	10994
25°	11693	10824	10679
30°	11464	10521	10368
35°	11213	10207	10076
40°	10926	9896	9796
45°	10614	9581	9493
50°	10258	9248	9156
55°	9868	8847	8823
60°	9408	8419	8452
65°	8934	7938	7985
70°	8268	7408	7528
75°	7384	6735	7021
80°	5951	6051	6524
85°	4193	5462	6012



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	2.7
10°-20°	309.0	7.7
20°-30°	469.8	11.7
30°-40°	570.3	14.2
40°-50°	602.6	15.0
50°-60°	563.9	14.0
60°-70°	462.7	11.5
70°-80°	318.3	7.9
80°-90°	174.3	4.3
90°-100°	112.2	2.8
100°-110°	100.7	2.5
110°-120°	83.3	2.1
120°-130°	64.2	1.6
130°-140°	45.1	1.1
140°-150°	27.2	0.7
150°-160°	13.0	0.3
160°-170°	4.3	0.1
170°-180°	0.5	0.0
0°-30°	886.3	22.0
0°-40°	1456.6	36.2
0°-60°	2623.2	65.1
0°-90°	3578.4	88.8
90°-120°	296.3	7.4
90°-150°	432.7	10.7
90°-180°	451.0	11.2
0°-180°	4028.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1132	1132	1132	1132	1132	
5°	1136	1134	1122	1132	1129	108
15°	1087	1092	1090	1104	1104	307
25°	994	1006	1017	1038	1038	458
35°	866	887	912	938	945	541
45°	712	744	786	821	831	549
55°	541	586	639	679	693	484
65°	366	415	478	523	537	363
75°	191	243	313	362	378	201
85°	42	100	170	217	233	49
90°	0	56	119	163	180	3
95°	0	54	114	156	173	0
105°	0	44	107	147	161	2
115°	2	40	91	131	147	2
125°	2	33	77	112	126	2
135°	2	26	63	91	103	2
145°	2	19	44	70	77	1
155°	2	12	28	44	51	1
165°	2	7	14	21	26	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°	1131.8	1131.8	1131.8	1131.8	1131.8
2.5°	1138.8	1136.4	1124.8	1134.1	1129.4
5°	1136.4	1134.1	1122.4	1131.8	1129.4
7.5°	1127.1	1127.1	1120.1	1129.4	1127.1
10°	1117.8	1117.8	1110.8	1122.4	1120.1
12.5°	1103.8	1106.1	1101.4	1115.4	1113.1
15°	1087.4	1092.1	1089.8	1103.8	1103.8
17.5°	1068.8	1073.4	1073.4	1089.8	1089.8
20°	1045.4	1052.4	1057.1	1075.8	1075.8
22.5°	1022.1	1031.4	1038.4	1054.7	1061.8
25°	994.1	1005.7	1017.4	1038.4	1038.4
27.5°	966.1	980.1	994.1	1015.1	1017.4
30°	933.4	949.7	968.4	989.4	994.1
32.5°	900.7	921.7	940.4	966.1	973.1
35°	865.7	886.7	912.4	938.1	945.1
37.5°	826.1	851.7	884.4	912.4	919.4
40°	791.1	819.1	851.7	884.4	891.4
42.5°	751.4	781.7	821.4	851.7	863.4
45°	711.7	744.4	786.4	821.4	830.7
47.5°	669.7	707.1	753.7	786.4	798.1
50°	627.7	667.4	716.4	753.7	763.1
52.5°	585.7	627.7	679.1	716.4	728.1
55°	541.4	585.7	639.4	679.1	693.1
57.5°	499.4	543.7	599.7	641.7	655.7
60°	452.7	504.0	560.0	602.0	618.4
62.5°	413.0	459.7	520.4	562.4	576.4
65°	366.4	415.4	478.4	522.7	536.7
67.5°	322.0	373.4	436.4	483.0	497.0
70°	277.7	329.0	396.7	441.0	457.4
72.5°	233.4	287.0	352.4	401.4	417.7
75°	191.3	242.7	312.7	361.7	378.0
77.5°	147.0	203.0	273.0	322.0	340.7
80°	107.3	165.7	235.7	284.7	303.4
82.5°	72.3	130.7	200.7	249.7	268.4
85°	42.0	100.3	170.3	217.0	233.4
87.5°	21.0	77.0	142.3	189.0	205.3
90°	0.0	56.0	119.0	163.3	179.7
92.5°	0.0	53.7	116.7	158.7	175.0
95°	0.0	53.7	114.3	156.3	172.7
97.5°	0.0	51.3	112.0	156.3	170.3
100°	0.0	49.0	112.0	154.0	168.0
102.5°	0.0	46.7	109.7	151.7	165.7
105°	0.0	44.3	107.3	147.0	161.0
107.5°	2.3	44.3	102.7	144.7	158.7
110°	2.3	42.0	98.0	142.3	156.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	39.7	93.3	137.7	151.7
115°	2.3	39.7	91.0	130.7	147.0
117.5°	2.3	37.3	86.3	126.0	142.3
120°	2.3	37.3	84.0	121.3	135.3
122.5°	2.3	35.0	79.3	116.7	130.7
125°	2.3	32.7	77.0	112.0	126.0
127.5°	2.3	30.3	74.7	107.3	121.3
130°	2.3	28.0	70.0	102.7	114.3
132.5°	2.3	28.0	67.7	95.7	109.7
135°	2.3	25.7	63.0	91.0	102.7
137.5°	2.3	23.3	58.3	86.3	98.0
140°	2.3	21.0	53.7	81.7	91.0
142.5°	2.3	21.0	49.0	74.7	84.0
145°	2.3	18.7	44.3	70.0	77.0
147.5°	2.3	16.3	39.7	63.0	70.0
150°	2.3	16.3	35.0	56.0	63.0
152.5°	2.3	14.0	30.3	51.3	58.3
155°	2.3	11.7	28.0	44.3	51.3
157.5°	2.3	11.7	23.3	37.3	44.3
160°	2.3	9.3	21.0	30.3	37.3
162.5°	2.3	9.3	18.7	25.7	32.7
165°	2.3	7.0	14.0	21.0	25.7
167.5°	2.3	7.0	11.7	16.3	21.0
170°	2.3	4.7	9.3	11.7	16.3
172.5°	2.3	4.7	7.0	7.0	7.0
175°	2.3	2.3	4.7	4.7	2.3
177.5°	2.3	2.3	2.3	2.3	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)