

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: P566452

Luminaire Tested: **4SNX-45SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566452
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-L940-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

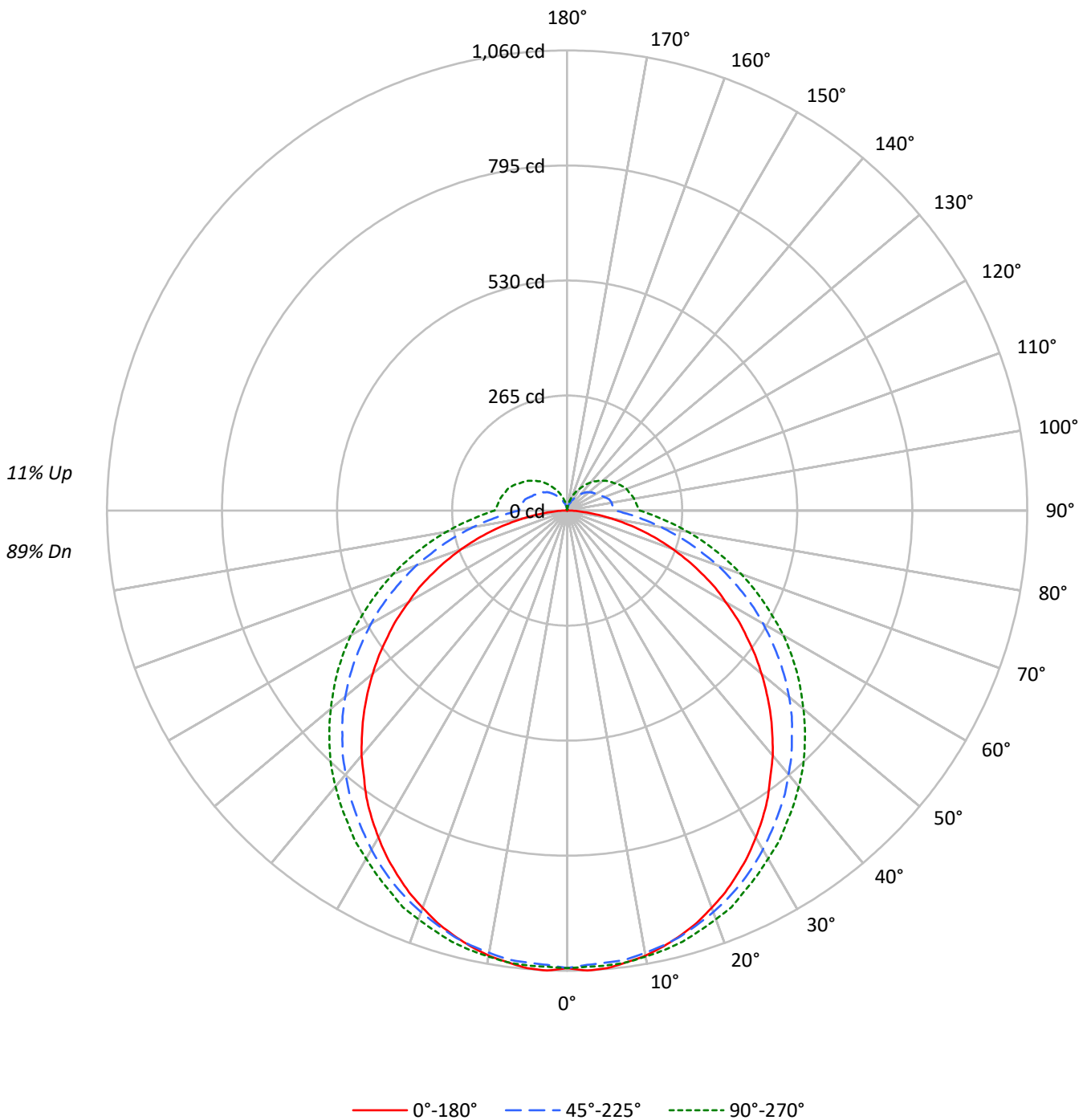
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3752.0 lumens
Efficiency: N/A
Efficacy: 125.9 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): 29.8
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	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°	11344	11344	11344
5°	11393	10820	10738
10°	11294	10388	10202
15°	11161	9970	9718
20°	10985	9537	9235
25°	10785	9122	8761
30°	10550	8694	8308
35°	10293	8266	7884
40°	10002	7847	7480
45°	9686	7427	7066
50°	9326	6995	6631
55°	8931	6514	6204
60°	8465	6012	5754
65°	7977	5471	5239
70°	7303	4893	4733
75°	6414	4221	4197
80°	5014	3543	3663
85°	3271	2913	3113



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	2.7
10°-20°	287.7	7.7
20°-30°	437.5	11.7
30°-40°	531.1	14.2
40°-50°	561.2	15.0
50°-60°	525.2	14.0
60°-70°	430.9	11.5
70°-80°	296.4	7.9
80°-90°	162.3	4.3
90°-100°	104.5	2.8
100°-110°	93.8	2.5
110°-120°	77.6	2.1
120°-130°	59.8	1.6
130°-140°	42.0	1.1
140°-150°	25.3	0.7
150°-160°	12.1	0.3
160°-170°	4.0	0.1
170°-180°	0.5	0.0
0°-30°	825.4	22.0
0°-40°	1356.5	36.2
0°-60°	2442.8	65.1
0°-90°	3332.4	88.8
90°-120°	275.9	7.4
90°-150°	403.0	10.7
90°-180°	420.0	11.2
0°-180°	3752.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1054	1054	1054	1054	1054	
5°	1058	1056	1045	1054	1052	100
15°	1013	1017	1015	1028	1028	286
25°	926	937	948	967	967	427
35°	806	826	850	874	880	504
45°	663	693	732	765	774	511
55°	504	545	595	632	645	451
65°	341	387	446	487	500	338
75°	178	226	291	337	352	188
85°	39	93	159	202	217	45
90°	0	52	111	152	167	3
95°	0	50	106	146	161	0
105°	0	41	100	137	150	1
115°	2	37	85	122	137	2
125°	2	30	72	104	117	2
135°	2	24	59	85	96	2
145°	2	17	41	65	72	1
155°	2	11	26	41	48	1
165°	2	6	13	20	24	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1053.9	1053.9	1053.9	1053.9	1053.9
2.5°	1060.5	1058.3	1047.4	1056.1	1051.8
5°	1058.3	1056.1	1045.3	1053.9	1051.8
7.5°	1049.6	1049.6	1043.1	1051.8	1049.6
10°	1040.9	1040.9	1034.4	1045.3	1043.1
12.5°	1027.9	1030.0	1025.7	1038.7	1036.6
15°	1012.7	1017.0	1014.8	1027.9	1027.9
17.5°	995.3	999.6	999.6	1014.8	1014.8
20°	973.5	980.1	984.4	1001.8	1001.8
22.5°	951.8	960.5	967.0	982.2	988.8
25°	925.7	936.6	947.5	967.0	967.0
27.5°	899.7	912.7	925.7	945.3	947.5
30°	869.2	884.4	901.8	921.4	925.7
32.5°	838.8	858.4	875.8	899.7	906.2
35°	806.2	825.8	849.7	873.6	880.1
37.5°	769.3	793.2	823.6	849.7	856.2
40°	736.7	762.8	793.2	823.6	830.1
42.5°	699.7	728.0	764.9	793.2	804.0
45°	662.8	693.2	732.3	764.9	773.6
47.5°	623.7	658.4	701.9	732.3	743.2
50°	584.6	621.5	667.1	701.9	710.6
52.5°	545.4	584.6	632.4	667.1	678.0
55°	504.2	545.4	595.4	632.4	645.4
57.5°	465.0	506.3	558.5	597.6	610.6
60°	421.6	469.4	521.5	560.7	575.9
62.5°	384.6	428.1	484.6	523.7	536.8
65°	341.2	386.8	445.5	486.8	499.8
67.5°	299.9	347.7	406.4	449.8	462.9
70°	258.6	306.4	369.4	410.7	425.9
72.5°	217.3	267.3	328.1	373.8	389.0
75°	178.2	226.0	291.2	336.8	352.0
77.5°	136.9	189.1	254.3	299.9	317.3
80°	100.0	154.3	219.5	265.1	282.5
82.5°	67.4	121.7	186.9	232.5	249.9
85°	39.1	93.4	158.6	202.1	217.3
87.5°	19.6	71.7	132.6	176.0	191.2
90°	0.0	52.2	110.8	152.1	167.3
92.5°	0.0	50.0	108.7	147.8	163.0
95°	0.0	50.0	106.5	145.6	160.8
97.5°	0.0	47.8	104.3	145.6	158.6
100°	0.0	45.6	104.3	143.4	156.5
102.5°	0.0	43.5	102.1	141.3	154.3
105°	0.0	41.3	100.0	136.9	149.9
107.5°	2.2	41.3	95.6	134.7	147.8
110°	2.2	39.1	91.3	132.6	145.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	36.9	86.9	128.2	141.3
115°	2.2	36.9	84.8	121.7	136.9
117.5°	2.2	34.8	80.4	117.3	132.6
120°	2.2	34.8	78.2	113.0	126.0
122.5°	2.2	32.6	73.9	108.7	121.7
125°	2.2	30.4	71.7	104.3	117.3
127.5°	2.2	28.3	69.5	100.0	113.0
130°	2.2	26.1	65.2	95.6	106.5
132.5°	2.2	26.1	63.0	89.1	102.1
135°	2.2	23.9	58.7	84.8	95.6
137.5°	2.2	21.7	54.3	80.4	91.3
140°	2.2	19.6	50.0	76.1	84.8
142.5°	2.2	19.6	45.6	69.5	78.2
145°	2.2	17.4	41.3	65.2	71.7
147.5°	2.2	15.2	36.9	58.7	65.2
150°	2.2	15.2	32.6	52.2	58.7
152.5°	2.2	13.0	28.3	47.8	54.3
155°	2.2	10.9	26.1	41.3	47.8
157.5°	2.2	10.9	21.7	34.8	41.3
160°	2.2	8.7	19.6	28.3	34.8
162.5°	2.2	8.7	17.4	23.9	30.4
165°	2.2	6.5	13.0	19.6	23.9
167.5°	2.2	6.5	10.9	15.2	19.6
170°	2.2	4.3	8.7	10.9	15.2
172.5°	2.2	4.3	6.5	6.5	6.5
175°	2.2	2.2	4.3	4.3	2.2
177.5°	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)