

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: P566451

Luminaire Tested: **4SNX-45SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566451
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-L935-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

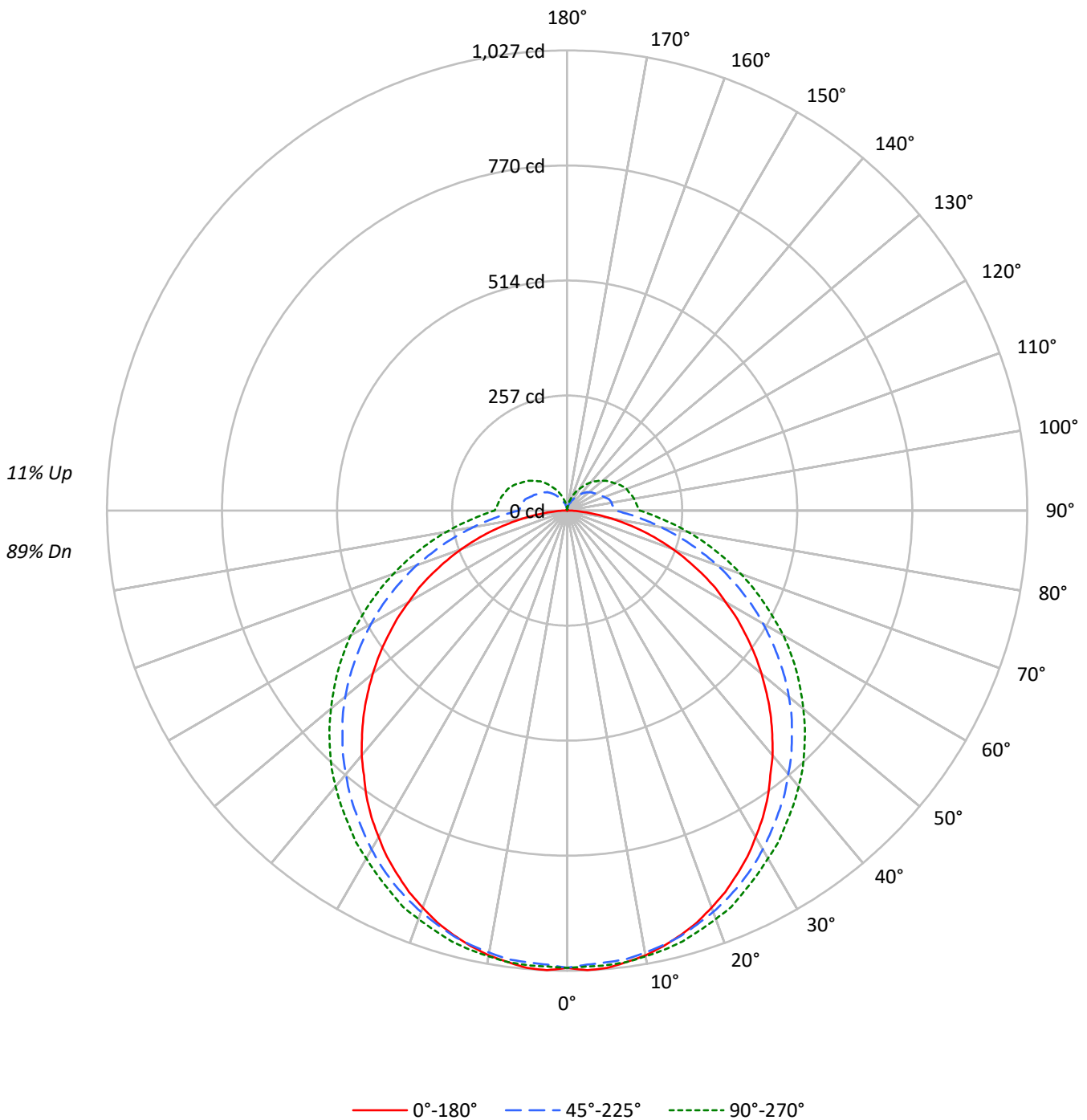
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3633.0 lumens
Efficiency: N/A
Efficacy: 121.9 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°	10985	10985	10985
5°	11032	10477	10397
10°	10936	10059	9878
15°	10806	9654	9410
20°	10637	9235	8941
25°	10443	8833	8484
30°	10216	8419	8045
35°	9967	8004	7634
40°	9684	7598	7243
45°	9379	7192	6842
50°	9030	6774	6421
55°	8647	6307	6007
60°	8196	5821	5571
65°	7725	5297	5074
70°	7071	4738	4583
75°	6209	4087	4065
80°	4853	3430	3546
85°	3171	2821	3014



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	2.7
10°-20°	278.6	7.7
20°-30°	423.6	11.7
30°-40°	514.3	14.2
40°-50°	543.4	15.0
50°-60°	508.5	14.0
60°-70°	417.2	11.5
70°-80°	287.0	7.9
80°-90°	157.2	4.3
90°-100°	101.2	2.8
100°-110°	90.8	2.5
110°-120°	75.2	2.1
120°-130°	57.9	1.6
130°-140°	40.7	1.1
140°-150°	24.5	0.7
150°-160°	11.7	0.3
160°-170°	3.8	0.1
170°-180°	0.5	0.0
0°-30°	799.2	22.0
0°-40°	1313.4	36.2
0°-60°	2365.3	65.1
0°-90°	3226.7	88.8
90°-120°	267.2	7.4
90°-150°	390.3	10.7
90°-180°	406.0	11.2
0°-180°	3633.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1020	1020	1020	1020	1020	
5°	1025	1023	1012	1020	1018	97
15°	980	985	983	995	995	276
25°	896	907	917	936	936	413
35°	781	800	823	846	852	488
45°	642	671	709	741	749	495
55°	488	528	576	612	625	437
65°	330	374	431	471	484	327
75°	172	219	282	326	341	182
85°	38	90	154	196	210	44
90°	0	50	107	147	162	3
95°	0	48	103	141	156	0
105°	0	40	97	133	145	1
115°	2	36	82	118	133	2
125°	2	30	69	101	114	2
135°	2	23	57	82	93	2
145°	2	17	40	63	69	1
155°	2	10	25	40	46	1
165°	2	6	13	19	23	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°	1020.5	1020.5	1020.5	1020.5	1020.5
2.5°	1026.8	1024.7	1014.2	1022.6	1018.4
5°	1024.7	1022.6	1012.1	1020.5	1018.4
7.5°	1016.3	1016.3	1010.0	1018.4	1016.3
10°	1007.9	1007.9	1001.6	1012.1	1010.0
12.5°	995.3	997.4	993.2	1005.8	1003.7
15°	980.5	984.7	982.6	995.3	995.3
17.5°	963.7	967.9	967.9	982.6	982.6
20°	942.7	949.0	953.2	970.0	970.0
22.5°	921.6	930.0	936.4	951.1	957.4
25°	896.4	906.9	917.4	936.4	936.4
27.5°	871.1	883.7	896.4	915.3	917.4
30°	841.7	856.4	873.2	892.2	896.4
32.5°	812.2	831.1	848.0	871.1	877.4
35°	780.6	799.6	822.7	845.9	852.2
37.5°	744.9	768.0	797.5	822.7	829.0
40°	713.3	738.6	768.0	797.5	803.8
42.5°	677.5	704.9	740.7	768.0	778.5
45°	641.8	671.2	709.1	740.7	749.1
47.5°	603.9	637.6	679.6	709.1	719.6
50°	566.0	601.8	646.0	679.6	688.1
52.5°	528.1	566.0	612.3	646.0	656.5
55°	488.2	528.1	576.5	612.3	624.9
57.5°	450.3	490.3	540.8	578.6	591.3
60°	408.2	454.5	505.0	542.9	557.6
62.5°	372.4	414.5	469.2	507.1	519.7
65°	330.4	374.5	431.4	471.3	484.0
67.5°	290.4	336.7	393.5	435.6	448.2
70°	250.4	296.7	357.7	397.7	412.4
72.5°	210.4	258.8	317.7	361.9	376.6
75°	172.5	218.8	282.0	326.1	340.9
77.5°	132.6	183.1	246.2	290.4	307.2
80°	96.8	149.4	212.5	256.7	273.5
82.5°	65.2	117.8	181.0	225.1	242.0
85°	37.9	90.5	153.6	195.7	210.4
87.5°	18.9	69.4	128.4	170.4	185.2
90°	0.0	50.5	107.3	147.3	162.0
92.5°	0.0	48.4	105.2	143.1	157.8
95°	0.0	48.4	103.1	141.0	155.7
97.5°	0.0	46.3	101.0	141.0	153.6
100°	0.0	44.2	101.0	138.9	151.5
102.5°	0.0	42.1	98.9	136.8	149.4
105°	0.0	40.0	96.8	132.6	145.2
107.5°	2.1	40.0	92.6	130.5	143.1
110°	2.1	37.9	88.4	128.4	141.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	35.8	84.2	124.1	136.8
115°	2.1	35.8	82.1	117.8	132.6
117.5°	2.1	33.7	77.9	113.6	128.4
120°	2.1	33.7	75.7	109.4	122.0
122.5°	2.1	31.6	71.5	105.2	117.8
125°	2.1	29.5	69.4	101.0	113.6
127.5°	2.1	27.4	67.3	96.8	109.4
130°	2.1	25.2	63.1	92.6	103.1
132.5°	2.1	25.2	61.0	86.3	98.9
135°	2.1	23.1	56.8	82.1	92.6
137.5°	2.1	21.0	52.6	77.9	88.4
140°	2.1	18.9	48.4	73.6	82.1
142.5°	2.1	18.9	44.2	67.3	75.7
145°	2.1	16.8	40.0	63.1	69.4
147.5°	2.1	14.7	35.8	56.8	63.1
150°	2.1	14.7	31.6	50.5	56.8
152.5°	2.1	12.6	27.4	46.3	52.6
155°	2.1	10.5	25.2	40.0	46.3
157.5°	2.1	10.5	21.0	33.7	40.0
160°	2.1	8.4	18.9	27.4	33.7
162.5°	2.1	8.4	16.8	23.1	29.5
165°	2.1	6.3	12.6	18.9	23.1
167.5°	2.1	6.3	10.5	14.7	18.9
170°	2.1	4.2	8.4	10.5	14.7
172.5°	2.1	4.2	6.3	6.3	6.3
175°	2.1	2.1	4.2	4.2	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)