

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: P567809

Luminaire Tested: **8SNX-44SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567809
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: 8SNX-44SL-LW-UNV-L950-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

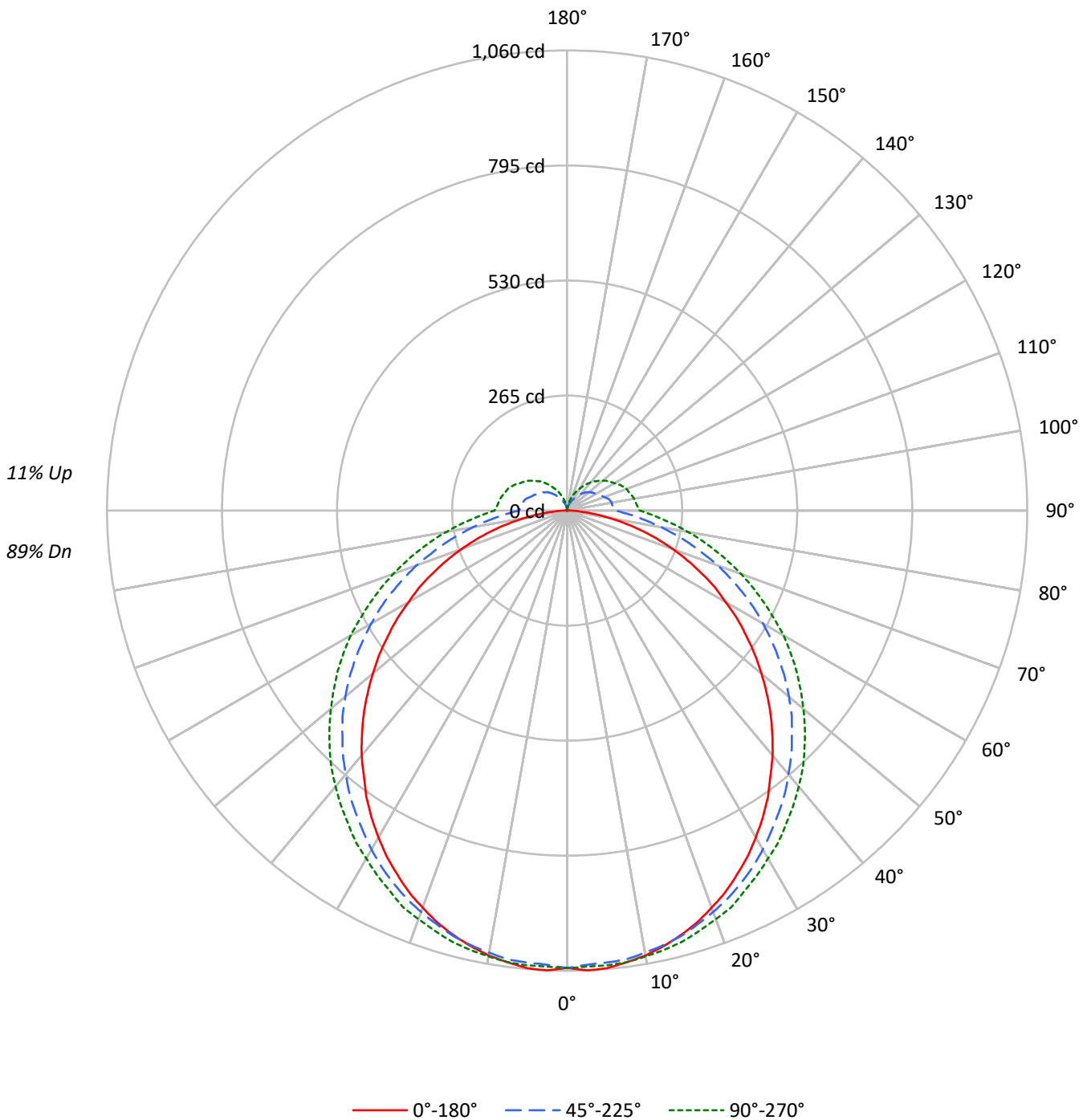
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3751.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 27.6
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

TEST NUMBER: P567809
CATALOG NUMBER: 8SNX-44SL-LW-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567809

CATALOG NUMBER: 8SNX-44SL-LW-UNV-L950-CD

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°	5671	5671	5671
5°	5705	5415	5368
10°	5666	5205	5099
15°	5610	5002	4858
20°	5532	4789	4616
25°	5443	4585	4380
30°	5336	4375	4153
35°	5219	4163	3941
40°	5085	3957	3739
45°	4940	3749	3532
50°	4775	3536	3315
55°	4592	3297	3101
60°	4379	3047	2876
65°	4158	2777	2619
70°	3847	2488	2366
75°	3436	2151	2098
80°	2769	1810	1831
85°	1950	1494	1557



TEST NUMBER: P567809

CATALOG NUMBER: 8SNX-44SL-LW-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	2.7
10°-20°	287.7	7.7
20°-30°	437.4	11.7
30°-40°	531.0	14.2
40°-50°	561.1	15.0
50°-60°	525.0	14.0
60°-70°	430.8	11.5
70°-80°	296.3	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°	825.1	22.0
0°-40°	1356.1	36.2
0°-60°	2442.2	65.1
0°-90°	3331.5	88.8
90°-120°	275.9	7.4
90°-150°	402.9	10.7
90°-180°	420.0	11.2
0°-180°	3751.0	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°	1012	1017	1015	1028	1028	285
25°	926	936	947	967	967	426
35°	806	826	849	873	880	503
45°	663	693	732	765	773	511
55°	504	545	595	632	645	451
65°	341	387	445	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	



TEST NUMBER: P567809

CATALOG NUMBER: 8SNX-44SL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1053.7	1053.7	1053.7	1053.7	1053.7
2.5°	1060.2	1058.0	1047.1	1055.8	1051.5
5°	1058.0	1055.8	1045.0	1053.7	1051.5
7.5°	1049.3	1049.3	1042.8	1051.5	1049.3
10°	1040.6	1040.6	1034.1	1045.0	1042.8
12.5°	1027.6	1029.8	1025.4	1038.5	1036.3
15°	1012.4	1016.7	1014.6	1027.6	1027.6
17.5°	995.0	999.4	999.4	1014.6	1014.6
20°	973.3	979.8	984.1	1001.5	1001.5
22.5°	951.6	960.2	966.8	982.0	988.5
25°	925.5	936.3	947.2	966.8	966.8
27.5°	899.4	912.5	925.5	945.0	947.2
30°	869.0	884.2	901.6	921.1	925.5
32.5°	838.6	858.1	875.5	899.4	905.9
35°	806.0	825.6	849.4	873.3	879.9
37.5°	769.1	793.0	823.4	849.4	856.0
40°	736.5	762.5	793.0	823.4	829.9
42.5°	699.5	727.8	764.7	793.0	803.8
45°	662.6	693.0	732.1	764.7	773.4
47.5°	623.5	658.3	701.7	732.1	743.0
50°	584.4	621.3	667.0	701.7	710.4
52.5°	545.3	584.4	632.2	667.0	677.8
55°	504.0	545.3	595.3	632.2	645.2
57.5°	464.9	506.2	558.3	597.4	610.5
60°	421.5	469.3	521.4	560.5	575.7
62.5°	384.5	428.0	484.5	523.6	536.6
65°	341.1	386.7	445.4	486.6	499.7
67.5°	299.8	347.6	406.3	449.7	462.7
70°	258.5	306.3	369.3	410.6	425.8
72.5°	217.3	267.2	328.0	373.7	388.9
75°	178.1	225.9	291.1	336.7	351.9
77.5°	136.9	189.0	254.2	299.8	317.2
80°	99.9	154.2	219.4	265.0	282.4
82.5°	67.3	121.7	186.8	232.5	249.8
85°	39.1	93.4	158.6	202.0	217.3
87.5°	19.6	71.7	132.5	176.0	191.2
90°	0.0	52.1	110.8	152.1	167.3
92.5°	0.0	50.0	108.6	147.7	162.9
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	156.4
102.5°	0.0	43.5	102.1	141.2	154.2
105°	0.0	41.3	99.9	136.9	149.9
107.5°	2.2	41.3	95.6	134.7	147.7
110°	2.2	39.1	91.2	132.5	145.6



TEST NUMBER: P567809

CATALOG NUMBER: 8SNX-44SL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	36.9	86.9	128.2	141.2
115°	2.2	36.9	84.7	121.7	136.9
117.5°	2.2	34.8	80.4	117.3	132.5
120°	2.2	34.8	78.2	113.0	126.0
122.5°	2.2	32.6	73.9	108.6	121.7
125°	2.2	30.4	71.7	104.3	117.3
127.5°	2.2	28.2	69.5	99.9	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	84.7	95.6
137.5°	2.2	21.7	54.3	80.4	91.2
140°	2.2	19.6	50.0	76.0	84.7
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	52.1	58.7
152.5°	2.2	13.0	28.2	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	28.2	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)