

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: P567912

Luminaire Tested: **8SNX-62SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567912
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-62SL-SLW-UNV-L940-CD
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

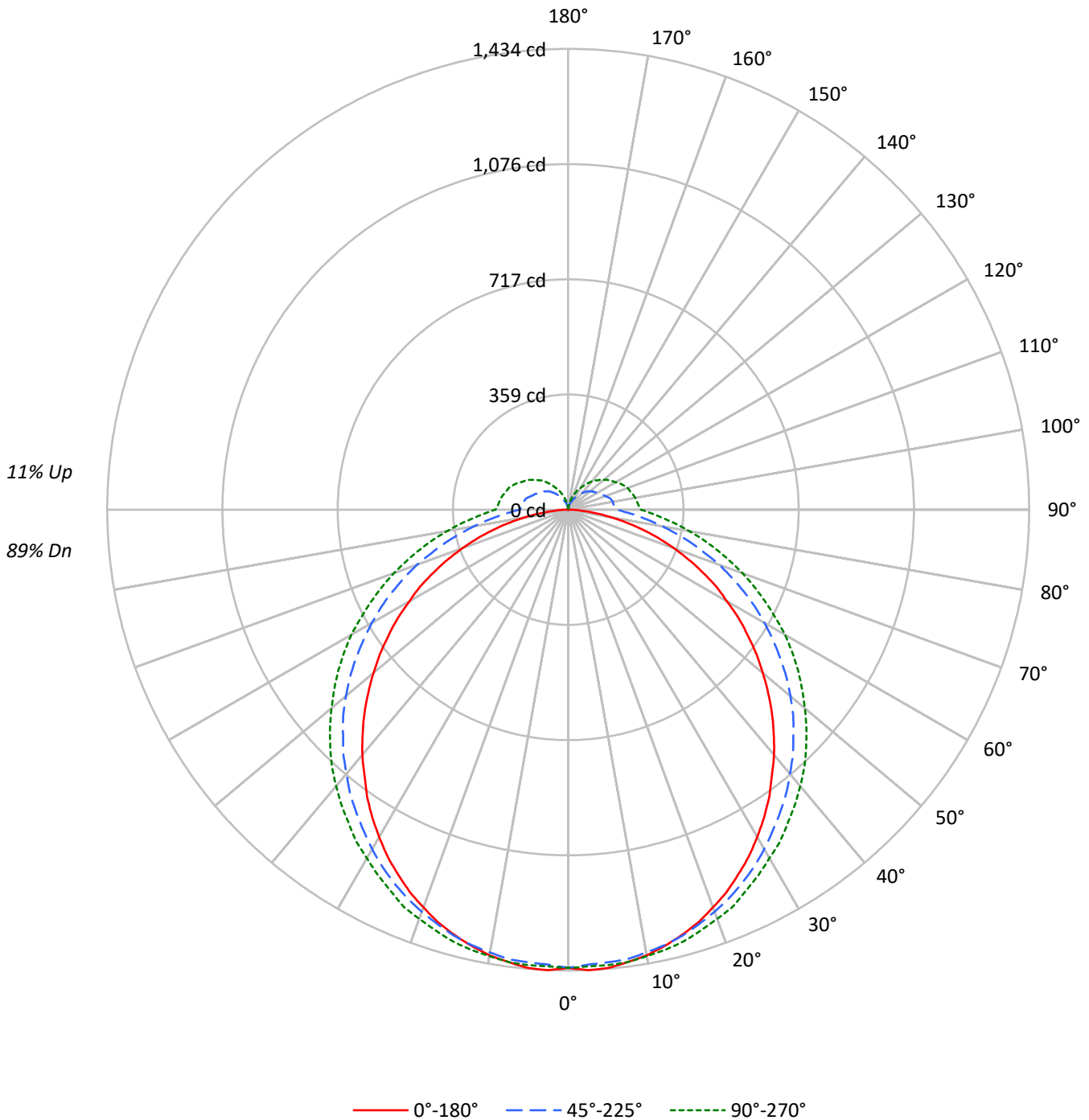
Lumens per Lamp: N/A
Luminaire Lumens: 5075.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 39
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: P567912

CATALOG NUMBER: 8SNX-62SL-SLW-UNV-L940-CD

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	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°	7673	7673	7673
5°	7727	7480	7469
10°	7680	7333	7284
15°	7611	7183	7114
20°	7513	7008	6924
25°	7400	6839	6726
30°	7263	6651	6530
35°	7113	6457	6346
40°	6940	6265	6170
45°	6753	6070	5979
50°	6540	5864	5766
55°	6305	5616	5557
60°	6029	5350	5323
65°	5749	5051	5029
70°	5352	4722	4741
75°	4825	4303	4423
80°	3957	3878	4108
85°	2920	3518	3785



TEST NUMBER: P567912

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.4	2.7
10°-20°	389.2	7.7
20°-30°	591.8	11.7
30°-40°	718.4	14.2
40°-50°	759.1	15.0
50°-60°	710.3	14.0
60°-70°	582.8	11.5
70°-80°	400.9	7.9
80°-90°	219.5	4.3
90°-100°	141.4	2.8
100°-110°	126.8	2.5
110°-120°	105.0	2.1
120°-130°	80.9	1.6
130°-140°	56.8	1.1
140°-150°	34.2	0.7
150°-160°	16.4	0.3
160°-170°	5.4	0.1
170°-180°	0.6	0.0
0°-30°	1116.4	22.0
0°-40°	1834.8	36.2
0°-60°	3304.2	65.1
0°-90°	4507.5	88.8
90°-120°	373.2	7.4
90°-150°	545.1	10.7
90°-180°	568.0	11.2
0°-180°	5075.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1426	1426	1426	1426	1426	
5°	1432	1428	1414	1426	1423	136
15°	1370	1376	1373	1390	1390	386
25°	1252	1267	1282	1308	1308	577
35°	1090	1117	1149	1182	1190	681
45°	896	938	991	1035	1046	691
55°	682	738	805	855	873	610
65°	462	523	603	658	676	457
75°	241	306	394	456	476	254
85°	53	126	215	273	294	61
90°	0	70	150	206	226	4
95°	0	68	144	197	218	0
105°	0	56	135	185	203	2
115°	3	50	115	165	185	3
125°	3	41	97	141	159	3
135°	3	32	79	115	129	2
145°	3	24	56	88	97	2
155°	3	15	35	56	65	1
165°	3	9	18	26	32	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



TEST NUMBER: P567912

CATALOG NUMBER: 8SNX-62SL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1425.6	1425.6	1425.6	1425.6	1425.6
2.5°	1434.4	1431.5	1416.8	1428.5	1422.6
5°	1431.5	1428.5	1413.8	1425.6	1422.6
7.5°	1419.7	1419.7	1410.9	1422.6	1419.7
10°	1407.9	1407.9	1399.1	1413.8	1410.9
12.5°	1390.3	1393.2	1387.4	1405.0	1402.1
15°	1369.7	1375.6	1372.7	1390.3	1390.3
17.5°	1346.2	1352.1	1352.1	1372.7	1372.7
20°	1316.8	1325.6	1331.5	1355.0	1355.0
22.5°	1287.4	1299.2	1308.0	1328.6	1337.4
25°	1252.2	1266.9	1281.6	1308.0	1308.0
27.5°	1216.9	1234.5	1252.2	1278.6	1281.6
30°	1175.7	1196.3	1219.8	1246.3	1252.2
32.5°	1134.6	1161.0	1184.6	1216.9	1225.7
35°	1090.5	1116.9	1149.3	1181.6	1190.4
37.5°	1040.5	1072.9	1114.0	1149.3	1158.1
40°	996.4	1031.7	1072.9	1114.0	1122.8
42.5°	946.5	984.7	1034.6	1072.9	1087.6
45°	896.5	937.6	990.6	1034.6	1046.4
47.5°	843.6	890.6	949.4	990.6	1005.3
50°	790.7	840.7	902.4	949.4	961.2
52.5°	737.8	790.7	855.3	902.4	917.1
55°	681.9	737.8	805.4	855.3	873.0
57.5°	629.0	684.9	755.4	808.3	826.0
60°	570.2	634.9	705.4	758.3	778.9
62.5°	520.3	579.0	655.5	708.4	726.0
65°	461.5	523.2	602.6	658.4	676.0
67.5°	405.6	470.3	549.7	608.4	626.1
70°	349.8	414.4	499.7	555.5	576.1
72.5°	293.9	361.5	443.8	505.6	526.1
75°	241.0	305.7	393.9	455.6	476.2
77.5°	185.2	255.7	343.9	405.6	429.1
80°	135.2	208.7	296.9	358.6	382.1
82.5°	91.1	164.6	252.8	314.5	338.0
85°	52.9	126.4	214.6	273.4	293.9
87.5°	26.5	97.0	179.3	238.1	258.7
90°	0.0	70.5	149.9	205.8	226.3
92.5°	0.0	67.6	147.0	199.9	220.5
95°	0.0	67.6	144.0	196.9	217.5
97.5°	0.0	64.7	141.1	196.9	214.6
100°	0.0	61.7	141.1	194.0	211.6
102.5°	0.0	58.8	138.1	191.1	208.7
105°	0.0	55.8	135.2	185.2	202.8
107.5°	2.9	55.8	129.3	182.2	199.9
110°	2.9	52.9	123.5	179.3	196.9



TEST NUMBER: P567912

CATALOG NUMBER: 8SNX-62SL-SLW-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	50.0	117.6	173.4	191.1
115°	2.9	50.0	114.6	164.6	185.2
117.5°	2.9	47.0	108.8	158.7	179.3
120°	2.9	47.0	105.8	152.8	170.5
122.5°	2.9	44.1	99.9	147.0	164.6
125°	2.9	41.2	97.0	141.1	158.7
127.5°	2.9	38.2	94.1	135.2	152.8
130°	2.9	35.3	88.2	129.3	144.0
132.5°	2.9	35.3	85.2	120.5	138.1
135°	2.9	32.3	79.4	114.6	129.3
137.5°	2.9	29.4	73.5	108.8	123.5
140°	2.9	26.5	67.6	102.9	114.6
142.5°	2.9	26.5	61.7	94.1	105.8
145°	2.9	23.5	55.8	88.2	97.0
147.5°	2.9	20.6	50.0	79.4	88.2
150°	2.9	20.6	44.1	70.5	79.4
152.5°	2.9	17.6	38.2	64.7	73.5
155°	2.9	14.7	35.3	55.8	64.7
157.5°	2.9	14.7	29.4	47.0	55.8
160°	2.9	11.8	26.5	38.2	47.0
162.5°	2.9	11.8	23.5	32.3	41.2
165°	2.9	8.8	17.6	26.5	32.3
167.5°	2.9	8.8	14.7	20.6	26.5
170°	2.9	5.9	11.8	14.7	20.6
172.5°	2.9	5.9	8.8	8.8	8.8
175°	2.9	2.9	5.9	5.9	2.9
177.5°	2.9	2.9	2.9	2.9	2.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)