

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: P566696

Luminaire Tested: **4SNX-63SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566696
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-63SL-SLW-UNV-L840-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

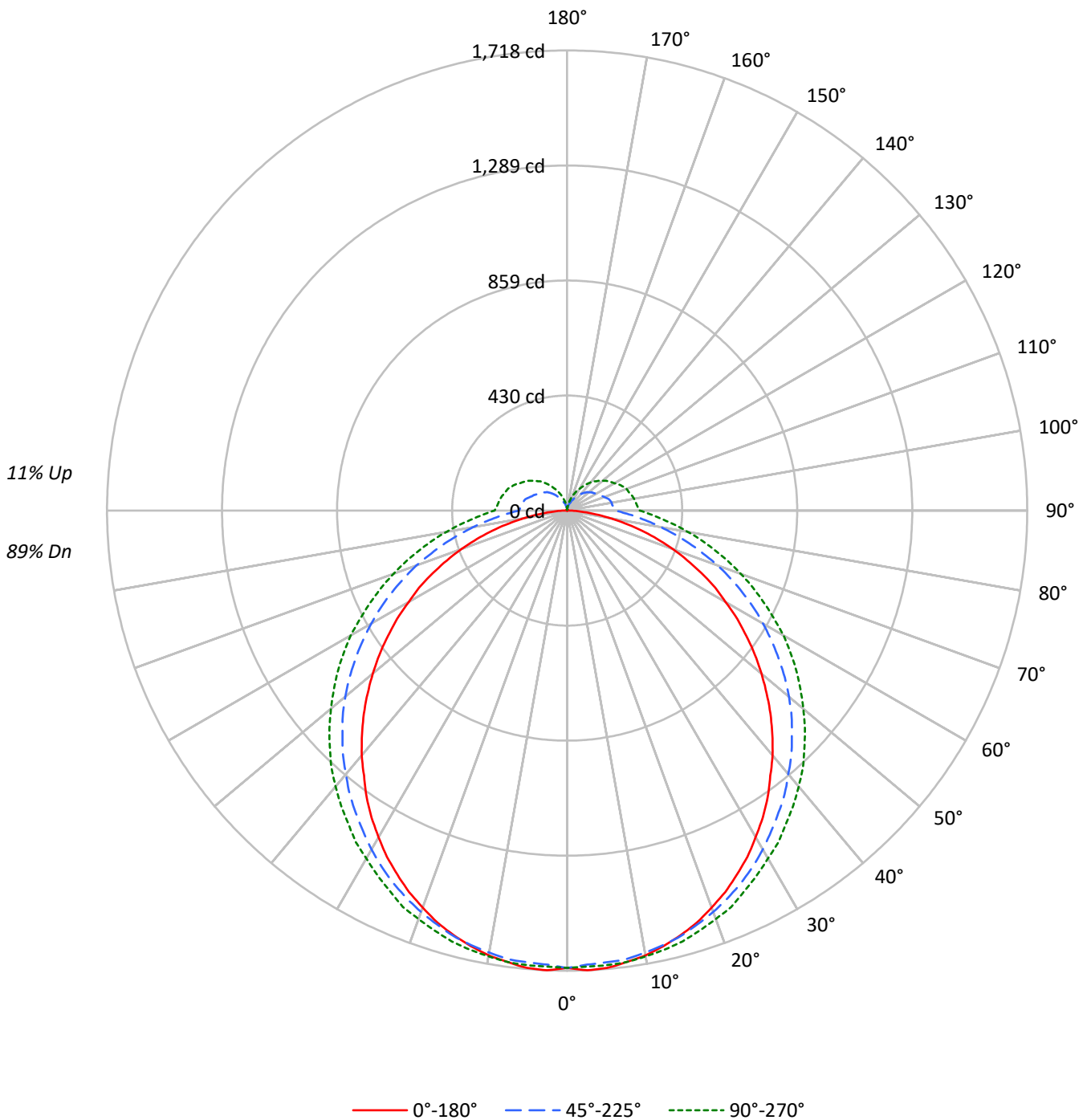
Lumens per Lamp: N/A
Luminaire Lumens: 6078.0 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 44.4
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°	18377	18377	18377
5°	18491	17904	17890
10°	18363	17543	17447
15°	18179	17172	17039
20°	17930	16746	16585
25°	17640	16329	16111
30°	17294	15872	15641
35°	16915	15397	15201
40°	16482	14930	14778
45°	16012	14453	14322
50°	15474	13950	13811
55°	14885	13347	13310
60°	14191	12701	12751
65°	13477	11976	12046
70°	12472	11175	11356
75°	11144	10160	10593
80°	8979	9126	9839
85°	6329	8242	9067



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.2	2.7
10°-20°	466.1	7.7
20°-30°	708.7	11.7
30°-40°	860.3	14.2
40°-50°	909.1	15.0
50°-60°	850.7	14.0
60°-70°	698.0	11.5
70°-80°	480.1	7.9
80°-90°	262.9	4.3
90°-100°	169.3	2.8
100°-110°	151.9	2.5
110°-120°	125.7	2.1
120°-130°	96.8	1.6
130°-140°	68.0	1.1
140°-150°	41.0	0.7
150°-160°	19.6	0.3
160°-170°	6.4	0.1
170°-180°	0.8	0.0
0°-30°	1337.0	22.0
0°-40°	2197.4	36.2
0°-60°	3957.2	65.1
0°-90°	5398.3	88.8
90°-120°	447.0	7.4
90°-150°	652.9	10.7
90°-180°	680.0	11.2
0°-180°	6078.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1707	1707	1707	1707	1707	
5°	1714	1711	1693	1707	1704	163
15°	1640	1648	1644	1665	1665	463
25°	1500	1517	1535	1566	1566	691
35°	1306	1338	1376	1415	1426	816
45°	1074	1123	1186	1239	1253	828
55°	817	884	965	1024	1046	731
65°	553	627	722	788	810	547
75°	289	366	472	546	570	304
85°	63	151	257	327	352	73
90°	0	84	180	246	271	4
95°	0	81	172	236	260	0
105°	0	67	162	222	243	2
115°	4	60	137	197	222	3
125°	4	49	116	169	190	3
135°	4	39	95	137	155	3
145°	4	28	67	106	116	2
155°	4	18	42	67	77	2
165°	4	11	21	32	39	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1707.3	1707.3	1707.3	1707.3	1707.3
2.5°	1717.9	1714.4	1696.8	1710.8	1703.8
5°	1714.4	1710.8	1693.2	1707.3	1703.8
7.5°	1700.3	1700.3	1689.7	1703.8	1700.3
10°	1686.2	1686.2	1675.6	1693.2	1689.7
12.5°	1665.1	1668.6	1661.6	1682.7	1679.2
15°	1640.4	1647.5	1644.0	1665.1	1665.1
17.5°	1612.3	1619.3	1619.3	1644.0	1644.0
20°	1577.1	1587.6	1594.7	1622.8	1622.8
22.5°	1541.9	1556.0	1566.5	1591.2	1601.7
25°	1499.6	1517.2	1534.8	1566.5	1566.5
27.5°	1457.4	1478.5	1499.6	1531.3	1534.8
30°	1408.1	1432.7	1460.9	1492.6	1499.6
32.5°	1358.8	1390.5	1418.7	1457.4	1467.9
35°	1306.0	1337.7	1376.4	1415.1	1425.7
37.5°	1246.2	1284.9	1334.2	1376.4	1387.0
40°	1193.4	1235.6	1284.9	1334.2	1344.7
42.5°	1133.5	1179.3	1239.1	1284.9	1302.5
45°	1073.7	1123.0	1186.3	1239.1	1253.2
47.5°	1010.3	1066.6	1137.0	1186.3	1203.9
50°	946.9	1006.8	1080.7	1137.0	1151.1
52.5°	883.6	946.9	1024.4	1080.7	1098.3
55°	816.7	883.6	964.6	1024.4	1045.5
57.5°	753.3	820.2	904.7	968.1	989.2
60°	682.9	760.4	844.9	908.2	932.9
62.5°	623.1	693.5	785.0	848.4	869.5
65°	552.7	626.6	721.7	788.5	809.7
67.5°	485.8	563.2	658.3	728.7	749.8
70°	418.9	496.4	598.4	665.3	690.0
72.5°	352.0	433.0	531.6	605.5	630.1
75°	288.7	366.1	471.7	545.6	570.3
77.5°	221.8	306.3	411.9	485.8	514.0
80°	161.9	249.9	355.5	429.5	457.6
82.5°	109.1	197.1	302.7	376.7	404.8
85°	63.4	151.4	257.0	327.4	352.0
87.5°	31.7	116.2	214.7	285.1	309.8
90°	0.0	84.5	179.5	246.4	271.1
92.5°	0.0	81.0	176.0	239.4	264.0
95°	0.0	81.0	172.5	235.9	260.5
97.5°	0.0	77.4	169.0	235.9	257.0
100°	0.0	73.9	169.0	232.3	253.5
102.5°	0.0	70.4	165.5	228.8	249.9
105°	0.0	66.9	161.9	221.8	242.9
107.5°	3.5	66.9	154.9	218.3	239.4
110°	3.5	63.4	147.9	214.7	235.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	59.8	140.8	207.7	228.8
115°	3.5	59.8	137.3	197.1	221.8
117.5°	3.5	56.3	130.2	190.1	214.7
120°	3.5	56.3	126.7	183.1	204.2
122.5°	3.5	52.8	119.7	176.0	197.1
125°	3.5	49.3	116.2	169.0	190.1
127.5°	3.5	45.8	112.6	161.9	183.1
130°	3.5	42.2	105.6	154.9	172.5
132.5°	3.5	42.2	102.1	144.3	165.5
135°	3.5	38.7	95.0	137.3	154.9
137.5°	3.5	35.2	88.0	130.2	147.9
140°	3.5	31.7	81.0	123.2	137.3
142.5°	3.5	31.7	73.9	112.6	126.7
145°	3.5	28.2	66.9	105.6	116.2
147.5°	3.5	24.6	59.8	95.0	105.6
150°	3.5	24.6	52.8	84.5	95.0
152.5°	3.5	21.1	45.8	77.4	88.0
155°	3.5	17.6	42.2	66.9	77.4
157.5°	3.5	17.6	35.2	56.3	66.9
160°	3.5	14.1	31.7	45.8	56.3
162.5°	3.5	14.1	28.2	38.7	49.3
165°	3.5	10.6	21.1	31.7	38.7
167.5°	3.5	10.6	17.6	24.6	31.7
170°	3.5	7.0	14.1	17.6	24.6
172.5°	3.5	7.0	10.6	10.6	10.6
175°	3.5	3.5	7.0	7.0	3.5
177.5°	3.5	3.5	3.5	3.5	3.5
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)