

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: P566689

Luminaire Tested: **4SNX-63SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566689
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-LW-UNV-L850-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

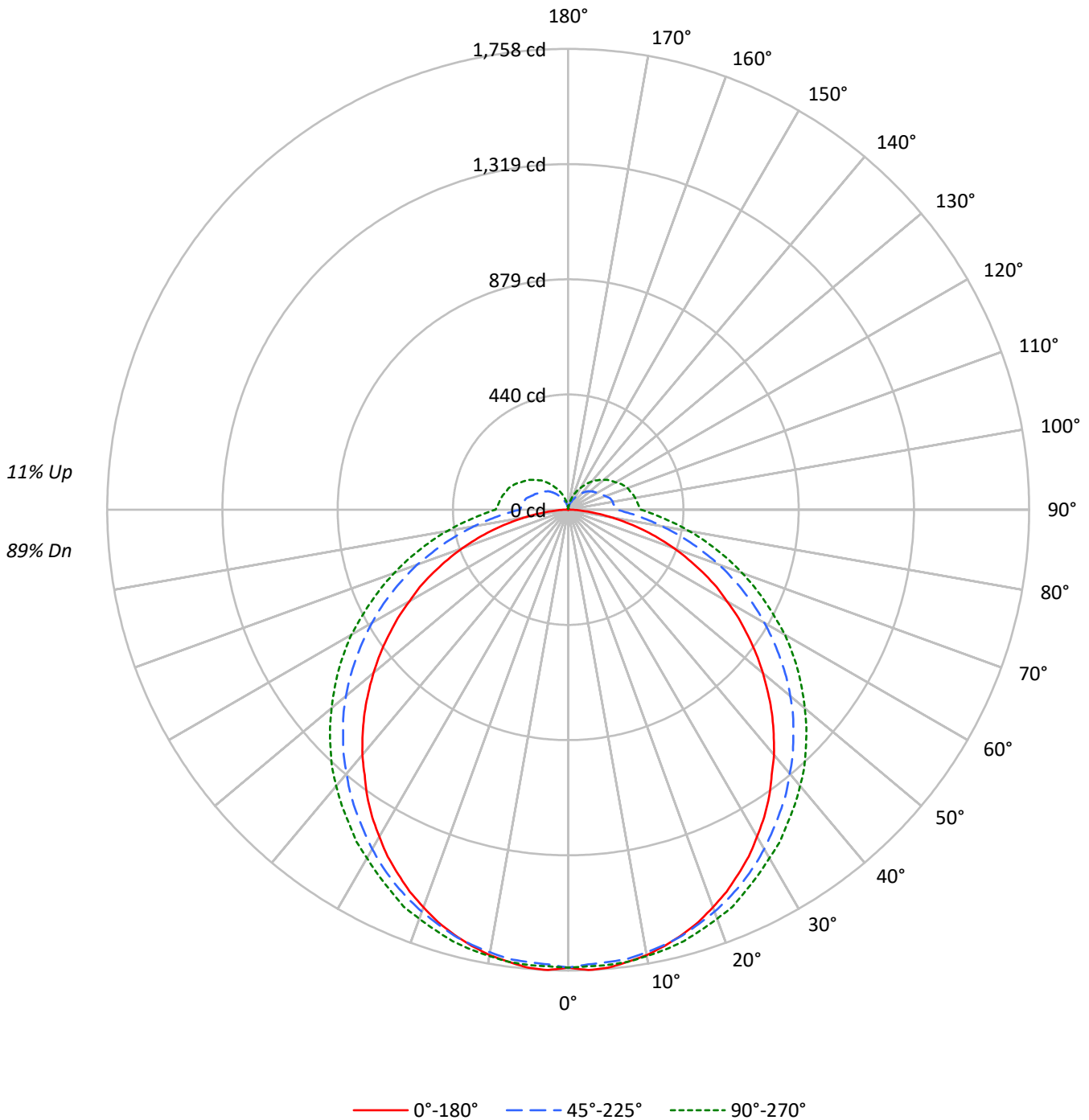
Lumens per Lamp: N/A
Luminaire Lumens: 6218.9 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 44.4
Input Voltage (V): NR
Input Current (Ain): 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°	18803	18803	18803
5°	18884	17934	17798
10°	18720	17219	16909
15°	18498	16527	16108
20°	18208	15809	15306
25°	17876	15120	14522
30°	17487	14411	13771
35°	17062	13701	13069
40°	16578	13007	12398
45°	16054	12311	11712
50°	15457	11596	10991
55°	14800	10797	10284
60°	14031	9965	9536
65°	13222	9067	8684
70°	12103	8110	7847
75°	10632	6996	6957
80°	8308	5872	6070
85°	5421	4828	5161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	2.7
10°-20°	476.9	7.7
20°-30°	725.2	11.7
30°-40°	880.3	14.2
40°-50°	930.2	15.0
50°-60°	870.5	14.0
60°-70°	714.2	11.5
70°-80°	491.2	7.9
80°-90°	269.0	4.3
90°-100°	173.2	2.8
100°-110°	155.4	2.5
110°-120°	128.7	2.1
120°-130°	99.1	1.6
130°-140°	69.6	1.1
140°-150°	41.9	0.7
150°-160°	20.1	0.3
160°-170°	6.6	0.1
170°-180°	0.8	0.0
0°-30°	1368.0	22.0
0°-40°	2248.3	36.2
0°-60°	4049.0	65.1
0°-90°	5523.5	88.8
90°-120°	457.3	7.4
90°-150°	668.0	10.7
90°-180°	695.0	11.2
0°-180°	6218.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1747	1747	1747	1747	1747	
5°	1754	1750	1732	1747	1743	166
15°	1678	1686	1682	1704	1704	473
25°	1534	1552	1570	1603	1603	707
35°	1336	1369	1408	1448	1459	835
45°	1099	1149	1214	1268	1282	847
55°	836	904	987	1048	1070	748
65°	566	641	738	807	828	560
75°	295	375	483	558	584	311
85°	65	155	263	335	360	75
90°	0	86	184	252	277	4
95°	0	83	176	241	266	0
105°	0	68	166	227	248	2
115°	4	61	140	202	227	4
125°	4	50	119	173	194	3
135°	4	40	97	140	158	3
145°	4	29	68	108	119	2
155°	4	18	43	68	79	2
165°	4	11	22	32	40	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°	1746.9	1746.9	1746.9	1746.9	1746.9
2.5°	1757.7	1754.1	1736.1	1750.5	1743.3
5°	1754.1	1750.5	1732.5	1746.9	1743.3
7.5°	1739.7	1739.7	1728.9	1743.3	1739.7
10°	1725.3	1725.3	1714.5	1732.5	1728.9
12.5°	1703.7	1707.3	1700.1	1721.7	1718.1
15°	1678.5	1685.7	1682.1	1703.7	1703.7
17.5°	1649.7	1656.9	1656.9	1682.1	1682.1
20°	1613.7	1624.5	1631.7	1660.5	1660.5
22.5°	1577.6	1592.0	1602.9	1628.1	1638.9
25°	1534.4	1552.4	1570.4	1602.9	1602.9
27.5°	1491.2	1512.8	1534.4	1566.8	1570.4
30°	1440.8	1466.0	1494.8	1527.2	1534.4
32.5°	1390.3	1422.8	1451.6	1491.2	1502.0
35°	1336.3	1368.7	1408.4	1448.0	1458.8
37.5°	1275.1	1314.7	1365.1	1408.4	1419.2
40°	1221.1	1264.3	1314.7	1365.1	1375.9
42.5°	1159.8	1206.6	1267.9	1314.7	1332.7
45°	1098.6	1149.0	1213.8	1267.9	1282.3
47.5°	1033.8	1091.4	1163.4	1213.8	1231.9
50°	968.9	1030.1	1105.8	1163.4	1177.8
52.5°	904.1	968.9	1048.2	1105.8	1123.8
55°	835.6	904.1	986.9	1048.2	1069.8
57.5°	770.8	839.2	925.7	990.5	1012.1
60°	698.8	778.0	864.5	929.3	954.5
62.5°	637.5	709.6	803.2	868.1	889.7
65°	565.5	641.1	738.4	806.8	828.4
67.5°	497.1	576.3	673.6	745.6	767.2
70°	428.6	507.9	612.3	680.8	706.0
72.5°	360.2	443.0	543.9	619.5	644.7
75°	295.4	374.6	482.7	558.3	583.5
77.5°	226.9	313.4	421.4	497.1	525.9
80°	165.7	255.7	363.8	439.4	468.2
82.5°	111.7	201.7	309.8	385.4	414.2
85°	64.8	154.9	262.9	335.0	360.2
87.5°	32.4	118.9	219.7	291.8	317.0
90°	0.0	86.4	183.7	252.1	277.3
92.5°	0.0	82.8	180.1	244.9	270.1
95°	0.0	82.8	176.5	241.3	266.5
97.5°	0.0	79.2	172.9	241.3	262.9
100°	0.0	75.6	172.9	237.7	259.3
102.5°	0.0	72.0	169.3	234.1	255.7
105°	0.0	68.4	165.7	226.9	248.5
107.5°	3.6	68.4	158.5	223.3	244.9
110°	3.6	64.8	151.3	219.7	241.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	61.2	144.1	212.5	234.1
115°	3.6	61.2	140.5	201.7	226.9
117.5°	3.6	57.6	133.3	194.5	219.7
120°	3.6	57.6	129.7	187.3	208.9
122.5°	3.6	54.0	122.5	180.1	201.7
125°	3.6	50.4	118.9	172.9	194.5
127.5°	3.6	46.8	115.3	165.7	187.3
130°	3.6	43.2	108.1	158.5	176.5
132.5°	3.6	43.2	104.5	147.7	169.3
135°	3.6	39.6	97.3	140.5	158.5
137.5°	3.6	36.0	90.0	133.3	151.3
140°	3.6	32.4	82.8	126.1	140.5
142.5°	3.6	32.4	75.6	115.3	129.7
145°	3.6	28.8	68.4	108.1	118.9
147.5°	3.6	25.2	61.2	97.3	108.1
150°	3.6	25.2	54.0	86.4	97.3
152.5°	3.6	21.6	46.8	79.2	90.0
155°	3.6	18.0	43.2	68.4	79.2
157.5°	3.6	18.0	36.0	57.6	68.4
160°	3.6	14.4	32.4	46.8	57.6
162.5°	3.6	14.4	28.8	39.6	50.4
165°	3.6	10.8	21.6	32.4	39.6
167.5°	3.6	10.8	18.0	25.2	32.4
170°	3.6	7.2	14.4	18.0	25.2
172.5°	3.6	7.2	10.8	10.8	10.8
175°	3.6	3.6	7.2	7.2	3.6
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)