

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: P566662

Luminaire Tested: **4SNX-63SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-63SL-FDL-UNV-L830-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

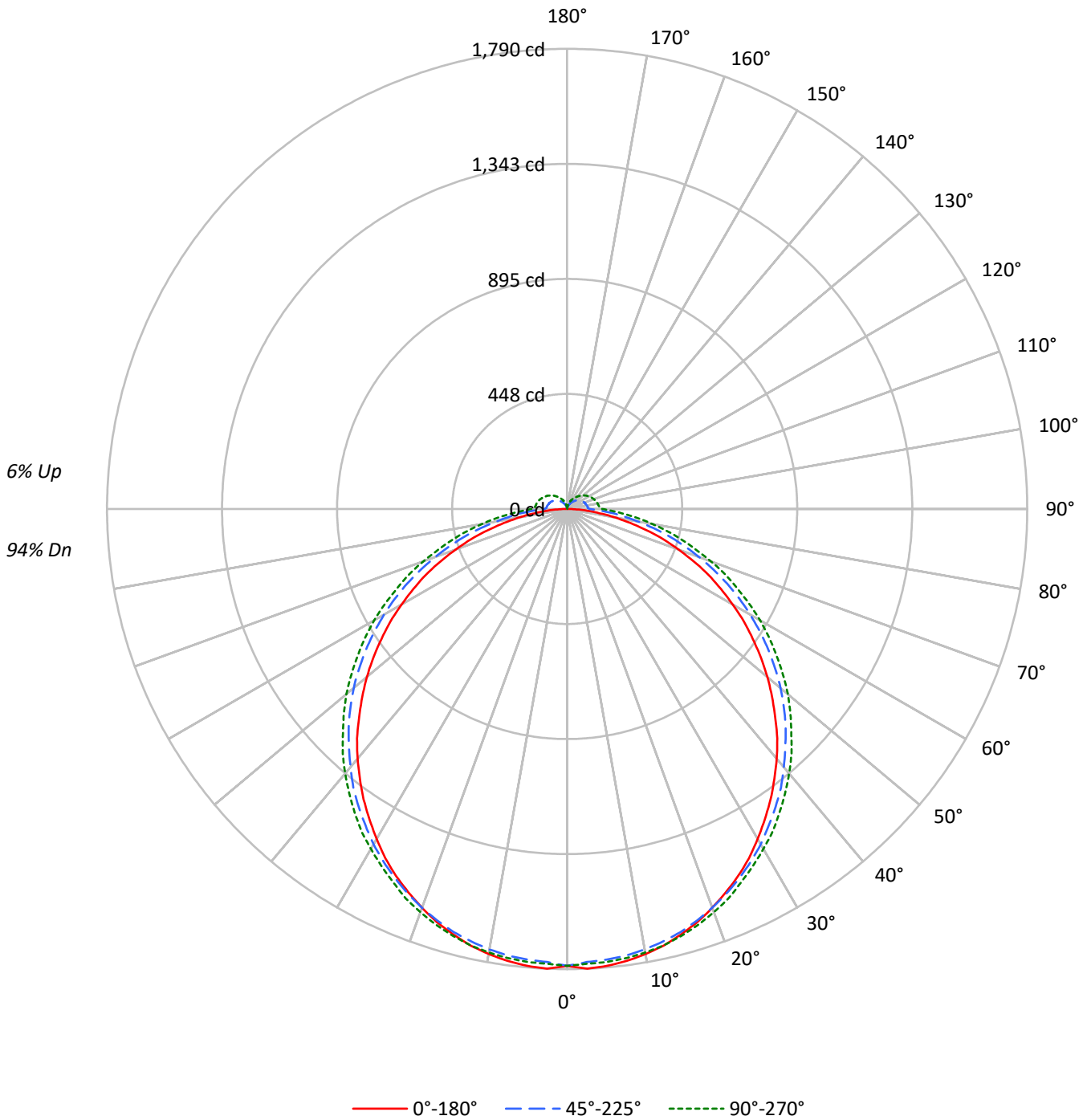
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5647.0 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19127	19127	19127
5°	19259	18811	18839
10°	19180	18607	18603
15°	19036	18372	18337
20°	18840	18087	18025
25°	18615	17775	17654
30°	18310	17456	17313
35°	18002	17083	16956
40°	17663	16670	16556
45°	17235	16261	16088
50°	16822	15795	15661
55°	16309	15219	15067
60°	15733	14560	14484
65°	15122	13774	13678
70°	14074	12785	12844
75°	12810	11621	11846
80°	10945	10077	10739
85°	8608	8737	9438



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.5	3.0
10°-20°	483.6	8.6
20°-30°	732.9	13.0
30°-40°	884.7	15.7
40°-50°	923.8	16.4
50°-60°	848.7	15.0
60°-70°	671.2	11.9
70°-80°	424.8	7.5
80°-90°	182.6	3.2
90°-100°	80.4	1.4
100°-110°	71.9	1.3
110°-120°	60.8	1.1
120°-130°	47.4	0.8
130°-140°	32.8	0.6
140°-150°	19.7	0.3
150°-160°	9.6	0.2
160°-170°	3.3	0.1
170°-180°	0.5	0.0
0°-30°	1385.0	24.5
0°-40°	2269.7	40.2
0°-60°	4042.2	71.6
0°-90°	5320.7	94.2
90°-120°	213.0	3.8
90°-150°	312.8	5.5
90°-180°	326.0	5.8
0°-180°	5647.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1777	1777	1777	1777	1777	
5°	1784	1779	1760	1775	1769	169
15°	1713	1713	1704	1722	1719	483
25°	1575	1582	1584	1605	1602	725
35°	1380	1396	1414	1436	1441	863
45°	1144	1172	1202	1225	1233	884
55°	882	918	956	987	994	789
65°	607	641	686	718	729	598
75°	320	358	410	445	462	339
85°	78	120	172	209	222	86
90°	5	43	88	123	136	7
95°	1	37	80	112	124	1
105°	1	34	75	105	116	1
115°	1	29	68	95	105	1
125°	2	26	57	82	91	2
135°	2	20	46	65	73	2
145°	2	15	32	49	54	1
155°	2	10	21	31	37	1
165°	3	7	11	15	21	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1777	1777	1777	1777	1777
2.5°	1790	1784	1764	1778	1771
5°	1784	1779	1760	1775	1769
7.5°	1773	1769	1752	1768	1762
10°	1758	1755	1740	1756	1752
12.5°	1739	1738	1723	1741	1738
15°	1713	1713	1704	1722	1719
17.5°	1685	1686	1679	1698	1696
20°	1651	1656	1651	1671	1669
22.5°	1614	1621	1619	1639	1640
25°	1575	1582	1584	1605	1602
27.5°	1532	1543	1547	1566	1565
30°	1482	1497	1506	1522	1527
32.5°	1431	1449	1460	1482	1488
35°	1380	1396	1414	1436	1441
37.5°	1324	1342	1366	1387	1393
40°	1268	1288	1311	1334	1343
42.5°	1210	1231	1256	1283	1292
45°	1144	1172	1202	1225	1233
47.5°	1081	1112	1144	1169	1178
50°	1017	1050	1084	1107	1121
52.5°	950	986	1020	1049	1058
55°	882	918	956	987	994
57.5°	816	851	889	918	932
60°	744	782	823	852	867
62.5°	674	711	755	786	798
65°	607	641	686	718	729
67.5°	533	572	615	652	666
70°	460	497	546	581	595
72.5°	392	428	477	512	525
75°	320	358	410	445	462
77.5°	251	293	343	381	400
80°	187	224	278	320	337
82.5°	127	167	223	262	281
85°	78	120	172	209	222
87.5°	37	77	125	161	177
90°	5	43	88	123	136
92.5°	1	37	81	114	126
95°	1	37	80	112	124
97.5°	1	36	79	111	122
100°	1	35	78	109	121
102.5°	1	35	76	107	118
105°	1	34	75	105	116
107.5°	1	33	73	103	114
110°	1	31	72	100	111



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1	30	70	98	108
115°	1	29	68	95	105
117.5°	1	28	65	92	102
120°	2	28	63	89	98
122.5°	2	27	60	85	94
125°	2	26	57	82	91
127.5°	2	25	54	78	86
130°	2	23	52	74	82
132.5°	2	22	49	69	77
135°	2	20	46	65	73
137.5°	2	19	43	61	68
140°	2	18	39	57	64
142.5°	2	16	36	53	59
145°	2	15	32	49	54
147.5°	2	13	29	45	50
150°	2	12	26	41	46
152.5°	2	11	23	36	41
155°	2	10	21	31	37
157.5°	2	9	18	27	33
160°	3	8	16	23	28
162.5°	3	7	13	19	25
165°	3	7	11	15	21
167.5°	3	6	9	12	17
170°	3	5	8	9	13
172.5°	3	4	6	6	7
175°	3	4	5	5	3
177.5°	3	3	3	3	2
180°	3	3	3	3	3

(END OF REPORT)