

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: P566692

Luminaire Tested: **4SNX-63SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566692
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-L940-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

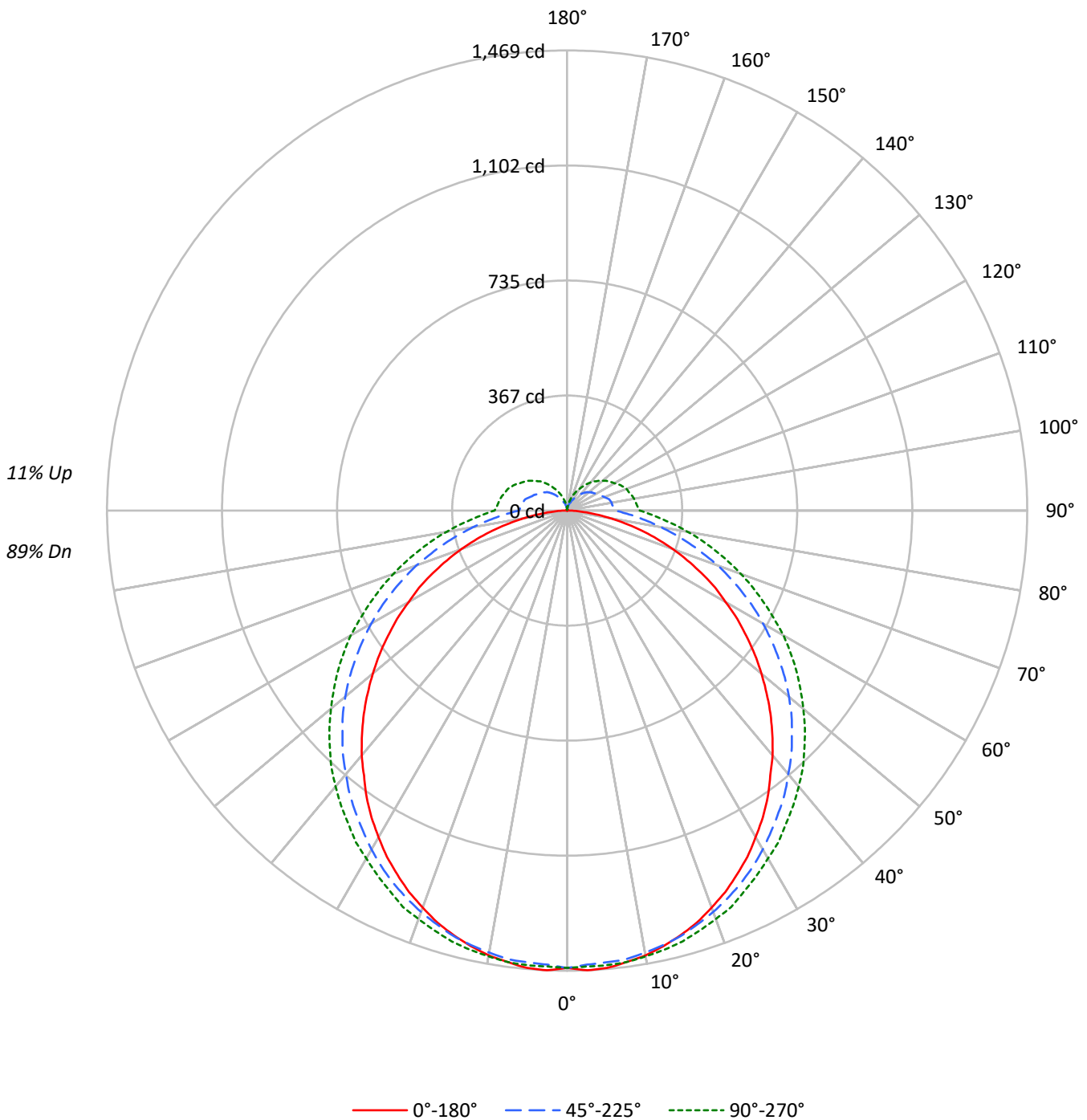
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5196.9 lumens
Efficiency: N/A
Efficacy: 117.0 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°	15713	15713	15713
5°	15782	14987	14873
10°	15644	14390	14131
15°	15459	13811	13461
20°	15216	13210	12791
25°	14939	12636	12135
30°	14613	12043	11508
35°	14258	11449	10920
40°	13854	10869	10360
45°	13415	10288	9787
50°	12918	9690	9185
55°	12368	9023	8594
60°	11724	8327	7969
65°	11050	7577	7257
70°	10115	6777	6557
75°	8883	5846	5814
80°	6944	4907	5073
85°	4534	4035	4312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	2.7
10°-20°	398.6	7.7
20°-30°	606.0	11.7
30°-40°	735.6	14.2
40°-50°	777.3	15.0
50°-60°	727.4	14.0
60°-70°	596.9	11.5
70°-80°	410.5	7.9
80°-90°	224.8	4.3
90°-100°	144.8	2.8
100°-110°	129.9	2.5
110°-120°	107.5	2.1
120°-130°	82.8	1.6
130°-140°	58.2	1.1
140°-150°	35.1	0.7
150°-160°	16.8	0.3
160°-170°	5.5	0.1
170°-180°	0.7	0.0
0°-30°	1143.2	22.0
0°-40°	1878.8	36.2
0°-60°	3383.6	65.1
0°-90°	4615.8	88.8
90°-120°	382.2	7.4
90°-150°	558.2	10.7
90°-180°	581.0	11.2
0°-180°	5196.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1460	1460	1460	1460	1460	
5°	1466	1463	1448	1460	1457	139
15°	1403	1409	1406	1424	1424	396
25°	1282	1297	1312	1339	1339	591
35°	1117	1144	1177	1210	1219	698
45°	918	960	1014	1060	1072	708
55°	698	756	825	876	894	625
65°	473	536	617	674	692	468
75°	247	313	403	466	488	260
85°	54	129	220	280	301	63
90°	0	72	154	211	232	4
95°	0	69	148	202	223	0
105°	0	57	138	190	208	2
115°	3	51	117	169	190	3
125°	3	42	99	144	162	3
135°	3	33	81	117	132	2
145°	3	24	57	90	99	2
155°	3	15	36	57	66	1
165°	3	9	18	27	33	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CATALOG NUMBER: 4SNX-63SL-LW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1459.8	1459.8	1459.8	1459.8	1459.8
2.5°	1468.9	1465.9	1450.8	1462.9	1456.8
5°	1465.9	1462.9	1447.8	1459.8	1456.8
7.5°	1453.8	1453.8	1444.8	1456.8	1453.8
10°	1441.8	1441.8	1432.8	1447.8	1444.8
12.5°	1423.7	1426.7	1420.7	1438.8	1435.8
15°	1402.7	1408.7	1405.7	1423.7	1423.7
17.5°	1378.6	1384.6	1384.6	1405.7	1405.7
20°	1348.5	1357.5	1363.5	1387.6	1387.6
22.5°	1318.4	1330.4	1339.4	1360.5	1369.5
25°	1282.3	1297.3	1312.4	1339.4	1339.4
27.5°	1246.1	1264.2	1282.3	1309.3	1312.4
30°	1204.0	1225.1	1249.1	1276.2	1282.3
32.5°	1161.9	1188.9	1213.0	1246.1	1255.2
35°	1116.7	1143.8	1176.9	1210.0	1219.0
37.5°	1065.5	1098.6	1140.8	1176.9	1185.9
40°	1020.4	1056.5	1098.6	1140.8	1149.8
42.5°	969.2	1008.3	1059.5	1098.6	1113.7
45°	918.0	960.2	1014.4	1059.5	1071.6
47.5°	863.9	912.0	972.2	1014.4	1029.4
50°	809.7	860.9	924.1	972.2	984.3
52.5°	755.5	809.7	875.9	924.1	939.1
55°	698.3	755.5	824.7	875.9	894.0
57.5°	644.1	701.3	773.6	827.7	845.8
60°	583.9	650.2	722.4	776.6	797.6
62.5°	532.8	593.0	671.2	725.4	743.5
65°	472.6	535.8	617.0	674.2	692.3
67.5°	415.4	481.6	562.9	623.1	641.1
70°	358.2	424.4	511.7	568.9	590.0
72.5°	301.0	370.2	454.5	517.7	538.8
75°	246.8	313.0	403.3	466.5	487.6
77.5°	189.6	261.9	352.2	415.4	439.5
80°	138.5	213.7	304.0	367.2	391.3
82.5°	93.3	168.6	258.9	322.1	346.1
85°	54.2	129.4	219.7	279.9	301.0
87.5°	27.1	99.3	183.6	243.8	264.9
90°	0.0	72.2	153.5	210.7	231.8
92.5°	0.0	69.2	150.5	204.7	225.7
95°	0.0	69.2	147.5	201.7	222.7
97.5°	0.0	66.2	144.5	201.7	219.7
100°	0.0	63.2	144.5	198.7	216.7
102.5°	0.0	60.2	141.5	195.6	213.7
105°	0.0	57.2	138.5	189.6	207.7
107.5°	3.0	57.2	132.4	186.6	204.7
110°	3.0	54.2	126.4	183.6	201.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	51.2	120.4	177.6	195.6
115°	3.0	51.2	117.4	168.6	189.6
117.5°	3.0	48.2	111.4	162.5	183.6
120°	3.0	48.2	108.4	156.5	174.6
122.5°	3.0	45.1	102.3	150.5	168.6
125°	3.0	42.1	99.3	144.5	162.5
127.5°	3.0	39.1	96.3	138.5	156.5
130°	3.0	36.1	90.3	132.4	147.5
132.5°	3.0	36.1	87.3	123.4	141.5
135°	3.0	33.1	81.3	117.4	132.4
137.5°	3.0	30.1	75.2	111.4	126.4
140°	3.0	27.1	69.2	105.3	117.4
142.5°	3.0	27.1	63.2	96.3	108.4
145°	3.0	24.1	57.2	90.3	99.3
147.5°	3.0	21.1	51.2	81.3	90.3
150°	3.0	21.1	45.1	72.2	81.3
152.5°	3.0	18.1	39.1	66.2	75.2
155°	3.0	15.0	36.1	57.2	66.2
157.5°	3.0	15.0	30.1	48.2	57.2
160°	3.0	12.0	27.1	39.1	48.2
162.5°	3.0	12.0	24.1	33.1	42.1
165°	3.0	9.0	18.1	27.1	33.1
167.5°	3.0	9.0	15.0	21.1	27.1
170°	3.0	6.0	12.0	15.0	21.1
172.5°	3.0	6.0	9.0	9.0	9.0
175°	3.0	3.0	6.0	6.0	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)