

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: P566688

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566688
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-L840-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

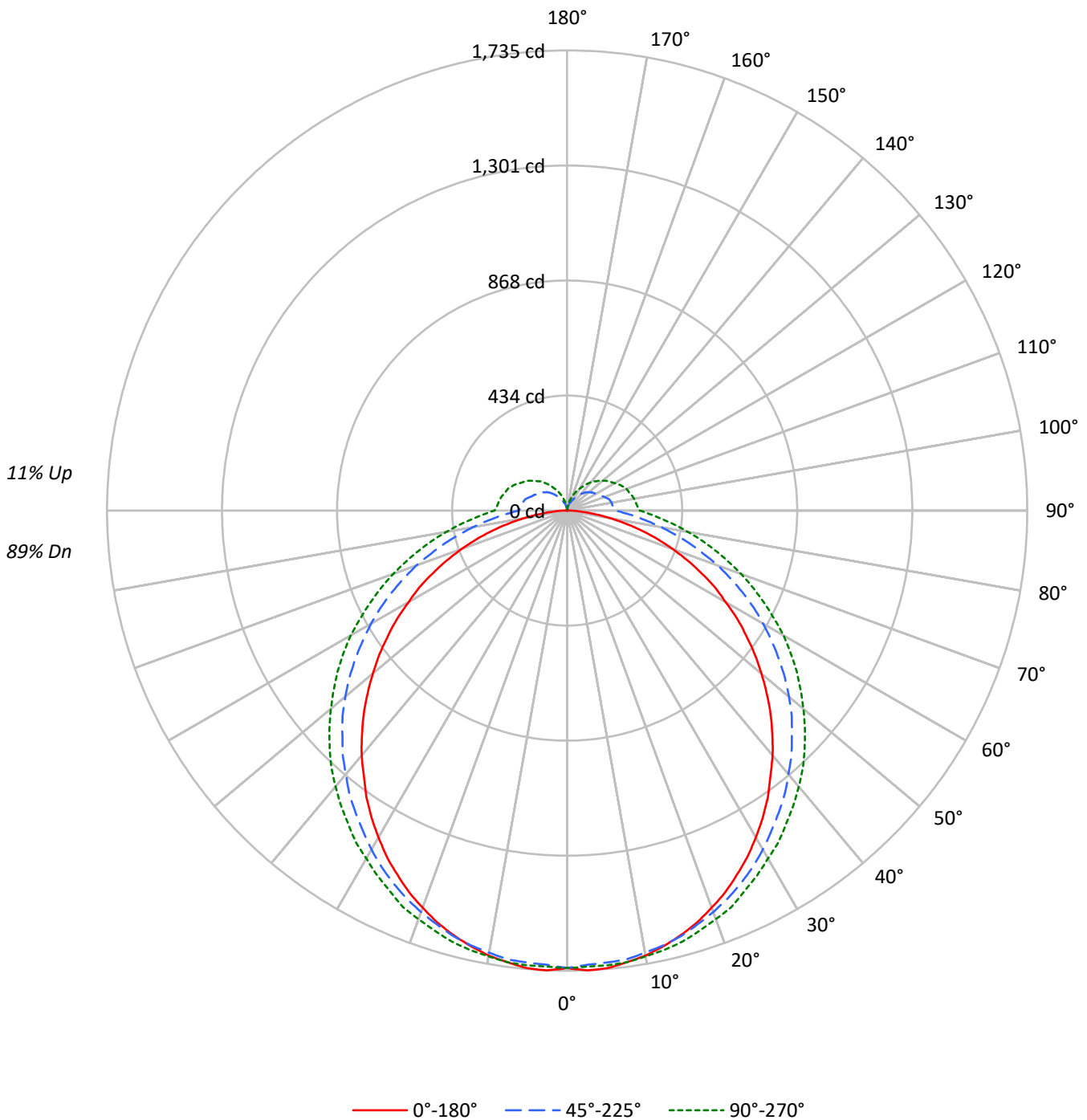
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6140.0 lumens
Efficiency: N/A
Efficacy: 138.3 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 (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	76	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°	18565	18565	18565
5°	18645	17706	17573
10°	18482	17000	16695
15°	18263	16316	15904
20°	17977	15607	15112
25°	17649	14928	14338
30°	17265	14228	13596
35°	16845	13527	12902
40°	16367	12841	12241
45°	15850	12155	11563
50°	15261	11448	10852
55°	14613	10660	10154
60°	13852	9839	9416
65°	13053	8952	8574
70°	11951	8006	7747
75°	10495	6907	6869
80°	8203	5797	5994
85°	5354	4767	5095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.8	2.7
10°-20°	470.9	7.7
20°-30°	716.0	11.7
30°-40°	869.1	14.2
40°-50°	918.4	15.0
50°-60°	859.4	14.0
60°-70°	705.1	11.5
70°-80°	485.0	7.9
80°-90°	265.6	4.3
90°-100°	171.0	2.8
100°-110°	153.5	2.5
110°-120°	127.0	2.1
120°-130°	97.8	1.6
130°-140°	68.7	1.1
140°-150°	41.4	0.7
150°-160°	19.8	0.3
160°-170°	6.5	0.1
170°-180°	0.8	0.0
0°-30°	1350.7	22.0
0°-40°	2219.8	36.2
0°-60°	3997.6	65.1
0°-90°	5453.3	88.8
90°-120°	451.6	7.4
90°-150°	659.6	10.7
90°-180°	687.0	11.2
0°-180°	6140.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1725	1725	1725	1725	1725	
5°	1732	1728	1710	1725	1721	164
15°	1657	1664	1661	1682	1682	467
25°	1515	1533	1550	1582	1582	698
35°	1319	1351	1390	1430	1440	824
45°	1085	1134	1198	1252	1266	836
55°	825	893	974	1035	1056	738
65°	558	633	729	797	818	553
75°	292	370	476	551	576	307
85°	64	153	260	331	356	74
90°	0	85	181	249	274	4
95°	0	82	174	238	263	0
105°	0	68	164	224	245	2
115°	4	60	139	199	224	4
125°	4	50	117	171	192	3
135°	4	39	96	139	156	3
145°	4	28	68	107	117	2
155°	4	18	43	68	78	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°	1724.7	1724.7	1724.7	1724.7	1724.7
2.5°	1735.4	1731.9	1714.1	1728.3	1721.2
5°	1731.9	1728.3	1710.5	1724.7	1721.2
7.5°	1717.6	1717.6	1707.0	1721.2	1717.6
10°	1703.4	1703.4	1692.7	1710.5	1707.0
12.5°	1682.1	1685.6	1678.5	1699.8	1696.3
15°	1657.2	1664.3	1660.7	1682.1	1682.1
17.5°	1628.7	1635.8	1635.8	1660.7	1660.7
20°	1593.2	1603.8	1610.9	1639.4	1639.4
22.5°	1557.6	1571.8	1582.5	1607.4	1618.1
25°	1514.9	1532.7	1550.5	1582.5	1582.5
27.5°	1472.3	1493.6	1514.9	1546.9	1550.5
30°	1422.5	1447.4	1475.8	1507.8	1514.9
32.5°	1372.7	1404.7	1433.1	1472.3	1482.9
35°	1319.3	1351.3	1390.5	1429.6	1440.2
37.5°	1258.9	1298.0	1347.8	1390.5	1401.1
40°	1205.5	1248.2	1298.0	1347.8	1358.5
42.5°	1145.1	1191.3	1251.8	1298.0	1315.8
45°	1084.6	1134.4	1198.4	1251.8	1266.0
47.5°	1020.6	1077.5	1148.6	1198.4	1216.2
50°	956.6	1017.1	1091.7	1148.6	1162.9
52.5°	892.6	956.6	1034.8	1091.7	1109.5
55°	825.0	892.6	974.4	1034.8	1056.2
57.5°	761.0	828.6	913.9	977.9	999.3
60°	689.9	768.1	853.5	917.5	942.4
62.5°	629.4	700.6	793.0	857.0	878.4
65°	558.3	633.0	729.0	796.6	817.9
67.5°	490.8	569.0	665.0	736.1	757.5
70°	423.2	501.4	604.5	672.1	697.0
72.5°	355.6	437.4	537.0	611.7	636.6
75°	291.6	369.8	476.5	551.2	576.1
77.5°	224.0	309.4	416.1	490.8	519.2
80°	163.6	252.5	359.2	433.9	462.3
82.5°	110.2	199.1	305.8	380.5	409.0
85°	64.0	152.9	259.6	330.7	355.6
87.5°	32.0	117.4	216.9	288.0	312.9
90°	0.0	85.3	181.4	248.9	273.8
92.5°	0.0	81.8	177.8	241.8	266.7
95°	0.0	81.8	174.3	238.3	263.2
97.5°	0.0	78.2	170.7	238.3	259.6
100°	0.0	74.7	170.7	234.7	256.0
102.5°	0.0	71.1	167.1	231.2	252.5
105°	0.0	67.6	163.6	224.0	245.4
107.5°	3.6	67.6	156.5	220.5	241.8
110°	3.6	64.0	149.4	216.9	238.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	60.5	142.2	209.8	231.2
115°	3.6	60.5	138.7	199.1	224.0
117.5°	3.6	56.9	131.6	192.0	216.9
120°	3.6	56.9	128.0	184.9	206.3
122.5°	3.6	53.3	120.9	177.8	199.1
125°	3.6	49.8	117.4	170.7	192.0
127.5°	3.6	46.2	113.8	163.6	184.9
130°	3.6	42.7	106.7	156.5	174.3
132.5°	3.6	42.7	103.1	145.8	167.1
135°	3.6	39.1	96.0	138.7	156.5
137.5°	3.6	35.6	88.9	131.6	149.4
140°	3.6	32.0	81.8	124.5	138.7
142.5°	3.6	32.0	74.7	113.8	128.0
145°	3.6	28.4	67.6	106.7	117.4
147.5°	3.6	24.9	60.5	96.0	106.7
150°	3.6	24.9	53.3	85.3	96.0
152.5°	3.6	21.3	46.2	78.2	88.9
155°	3.6	17.8	42.7	67.6	78.2
157.5°	3.6	17.8	35.6	56.9	67.6
160°	3.6	14.2	32.0	46.2	56.9
162.5°	3.6	14.2	28.4	39.1	49.8
165°	3.6	10.7	21.3	32.0	39.1
167.5°	3.6	10.7	17.8	24.9	32.0
170°	3.6	7.1	14.2	17.8	24.9
172.5°	3.6	7.1	10.7	10.7	10.7
175°	3.6	3.6	7.1	7.1	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)