

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: P566699

Luminaire Tested: **4SNX-63SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566699
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-L935-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

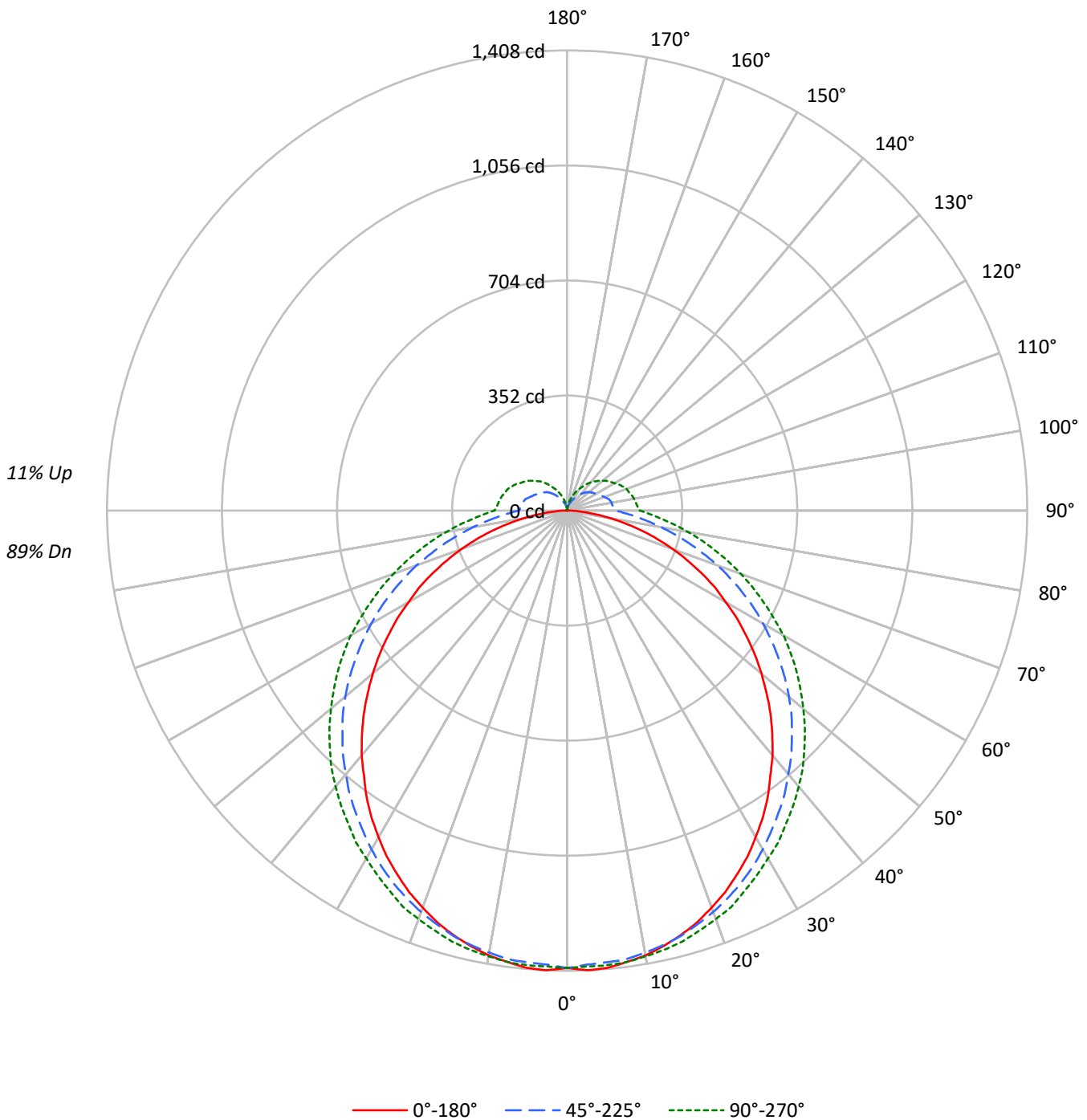
Lumens per Lamp: N/A
Luminaire Lumens: 4981.0 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 44.4
Input Voltage (V): NR
Input Current (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	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°	15061	15061	15061
5°	15152	14673	14661
10°	15049	14377	14299
15°	14899	14072	13964
20°	14693	13724	13591
25°	14457	13382	13203
30°	14173	13007	12818
35°	13863	12618	12457
40°	13507	12235	12111
45°	13122	11845	11737
50°	12681	11433	11319
55°	12199	10938	10907
60°	11631	10409	10449
65°	11044	9813	9871
70°	10221	9158	9306
75°	9133	8327	8682
80°	7360	7481	8063
85°	5181	6754	7431



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	2.7
10°-20°	382.0	7.7
20°-30°	580.8	11.7
30°-40°	705.1	14.2
40°-50°	745.0	15.0
50°-60°	697.2	14.0
60°-70°	572.0	11.5
70°-80°	393.5	7.9
80°-90°	215.5	4.3
90°-100°	138.8	2.8
100°-110°	124.5	2.5
110°-120°	103.1	2.1
120°-130°	79.4	1.6
130°-140°	55.8	1.1
140°-150°	33.6	0.7
150°-160°	16.1	0.3
160°-170°	5.3	0.1
170°-180°	0.6	0.0
0°-30°	1095.7	22.0
0°-40°	1800.8	36.2
0°-60°	3243.0	65.1
0°-90°	4424.0	88.8
90°-120°	366.3	7.4
90°-150°	535.0	10.7
90°-180°	557.0	11.2
0°-180°	4981.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1399	1399	1399	1399	1399	
5°	1405	1402	1388	1399	1396	133
15°	1344	1350	1347	1365	1365	379
25°	1229	1243	1258	1284	1284	566
35°	1070	1096	1128	1160	1168	669
45°	880	920	972	1016	1027	678
55°	669	724	790	840	857	599
65°	453	514	591	646	664	449
75°	237	300	387	447	467	249
85°	52	124	211	268	288	60
90°	0	69	147	202	222	4
95°	0	66	141	193	214	0
105°	0	55	133	182	199	2
115°	3	49	112	162	182	3
125°	3	40	95	138	156	3
135°	3	32	78	112	127	2
145°	3	23	55	86	95	2
155°	3	14	35	55	64	1
165°	3	9	17	26	32	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1399.2	1399.2	1399.2	1399.2	1399.2
2.5°	1407.8	1404.9	1390.5	1402.1	1396.3
5°	1404.9	1402.1	1387.6	1399.2	1396.3
7.5°	1393.4	1393.4	1384.8	1396.3	1393.4
10°	1381.9	1381.9	1373.2	1387.6	1384.8
12.5°	1364.6	1367.4	1361.7	1379.0	1376.1
15°	1344.4	1350.1	1347.2	1364.6	1364.6
17.5°	1321.3	1327.1	1327.1	1347.2	1347.2
20°	1292.4	1301.1	1306.9	1329.9	1329.9
22.5°	1263.6	1275.1	1283.8	1304.0	1312.6
25°	1229.0	1243.4	1257.8	1283.8	1283.8
27.5°	1194.3	1211.7	1229.0	1254.9	1257.8
30°	1154.0	1174.2	1197.2	1223.2	1229.0
32.5°	1113.6	1139.5	1162.6	1194.3	1203.0
35°	1070.3	1096.3	1128.0	1159.7	1168.4
37.5°	1021.3	1053.0	1093.4	1128.0	1136.6
40°	978.0	1012.6	1053.0	1093.4	1102.0
42.5°	928.9	966.4	1015.5	1053.0	1067.4
45°	879.9	920.3	972.2	1015.5	1027.0
47.5°	828.0	874.1	931.8	972.2	986.6
50°	776.0	825.1	885.7	931.8	943.4
52.5°	724.1	776.0	839.5	885.7	900.1
55°	669.3	724.1	790.5	839.5	856.8
57.5°	617.4	672.2	741.4	793.3	810.7
60°	559.7	623.1	692.4	744.3	764.5
62.5°	510.6	568.3	643.3	695.3	712.6
65°	452.9	513.5	591.4	646.2	663.5
67.5°	398.1	461.6	539.5	597.2	614.5
70°	343.3	406.8	490.4	545.2	565.4
72.5°	288.5	354.8	435.6	496.2	516.4
75°	236.6	300.0	386.6	447.2	467.4
77.5°	181.7	251.0	337.5	398.1	421.2
80°	132.7	204.8	291.4	352.0	375.0
82.5°	89.4	161.6	248.1	308.7	331.8
85°	51.9	124.1	210.6	268.3	288.5
87.5°	26.0	95.2	176.0	233.7	253.9
90°	0.0	69.2	147.1	201.9	222.1
92.5°	0.0	66.4	144.2	196.2	216.4
95°	0.0	66.4	141.4	193.3	213.5
97.5°	0.0	63.5	138.5	193.3	210.6
100°	0.0	60.6	138.5	190.4	207.7
102.5°	0.0	57.7	135.6	187.5	204.8
105°	0.0	54.8	132.7	181.7	199.1
107.5°	2.9	54.8	126.9	178.9	196.2
110°	2.9	51.9	121.2	176.0	193.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	49.0	115.4	170.2	187.5
115°	2.9	49.0	112.5	161.6	181.7
117.5°	2.9	46.2	106.7	155.8	176.0
120°	2.9	46.2	103.9	150.0	167.3
122.5°	2.9	43.3	98.1	144.2	161.6
125°	2.9	40.4	95.2	138.5	155.8
127.5°	2.9	37.5	92.3	132.7	150.0
130°	2.9	34.6	86.5	126.9	141.4
132.5°	2.9	34.6	83.7	118.3	135.6
135°	2.9	31.7	77.9	112.5	126.9
137.5°	2.9	28.8	72.1	106.7	121.2
140°	2.9	26.0	66.4	101.0	112.5
142.5°	2.9	26.0	60.6	92.3	103.9
145°	2.9	23.1	54.8	86.5	95.2
147.5°	2.9	20.2	49.0	77.9	86.5
150°	2.9	20.2	43.3	69.2	77.9
152.5°	2.9	17.3	37.5	63.5	72.1
155°	2.9	14.4	34.6	54.8	63.5
157.5°	2.9	14.4	28.8	46.2	54.8
160°	2.9	11.5	26.0	37.5	46.2
162.5°	2.9	11.5	23.1	31.7	40.4
165°	2.9	8.7	17.3	26.0	31.7
167.5°	2.9	8.7	14.4	20.2	26.0
170°	2.9	5.8	11.5	14.4	20.2
172.5°	2.9	5.8	8.7	8.7	8.7
175°	2.9	2.9	5.8	5.8	2.9
177.5°	2.9	2.9	2.9	2.9	2.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)