

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: CORELITE

Report Number: P844804

Luminaire Tested: **SQ4P-125U-0D-B50-1D-UNV**

Issue Date: 8/14/2023



Test Information

Test Method: LM-79-08
Report Number: P844804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2305-034-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 8/14/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: SQ4P-125U-0D-B50-1D-UNV
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH, 1250 LUMENS PER FOOT
UPLIGHT, INDIRECT ONLY

Light Source: -
Ballast/Driver: -

Summary

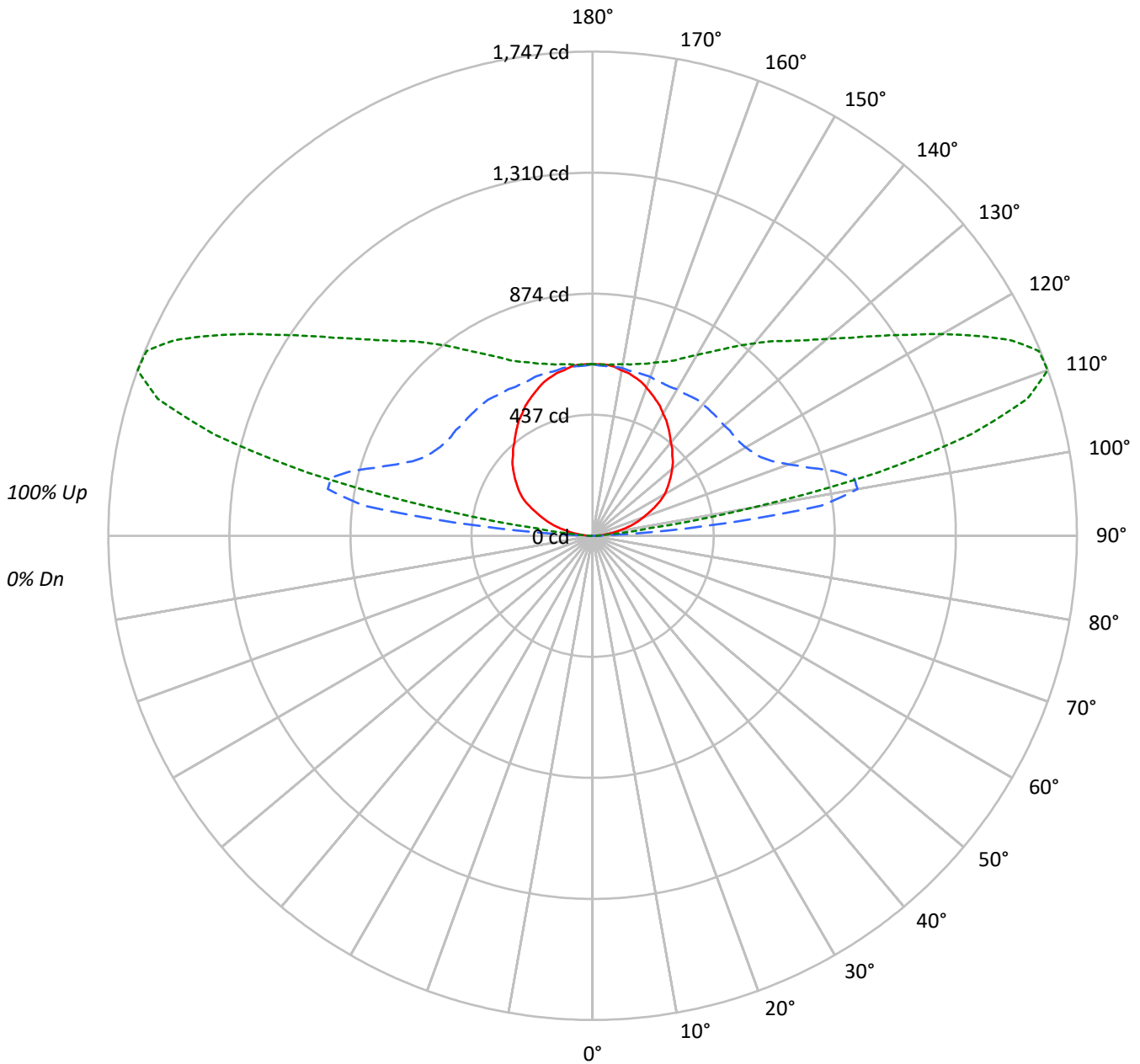
Lumens per Lamp: N/A
Luminaire Lumens: 4014.7 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 34
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

TEST NUMBER: P844804

CATALOG NUMBER: SQ4P-125U-0D-B50-1D-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P844804

CATALOG NUMBER: SQ4P-125U-0D-B50-1D-UNV

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	10	10	10	0																
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	8	8	8	0																
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	7	7	7	0																
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	6	6	6	0																
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	5	5	5	0																
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	4	4	4	0																
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	4	4	4	0																
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	3	3	3	0																
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	3	3	3	0																
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	3	3	3	0																
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	2	2	2	0																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



TEST NUMBER: P844804

CATALOG NUMBER: SQ4P-125U-0D-B50-1D-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	1.6	0.0
90°-100°	244.1	6.1
100°-110°	857.3	21.4
110°-120°	829.8	20.7
120°-130°	648.6	16.2
130°-140°	515.6	12.8
140°-150°	398.2	9.9
150°-160°	285.8	7.1
160°-170°	174.6	4.3
170°-180°	59.1	1.5
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.6	0.0
90°-120°	1931.2	48.1
90°-150°	3493.6	87.0
90°-180°	4013.0	100.0
0°-180°	4014.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	9	14	14	9	5	6
95°	42	143	416	106	65	44
105°	143	203	901	1520	1414	151
115°	250	300	670	1414	1668	246
125°	337	416	624	1054	1257	302
135°	407	457	619	878	993	315
145°	476	508	614	758	822	298
155°	541	559	605	675	698	249
165°	592	596	610	638	642	167
175°	619	619	614	624	619	59
180°	619	619	619	619	619	



TEST NUMBER: P844804

CATALOG NUMBER: SQ4P-125U-0D-B50-1D-UNV

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	9.2	9.2	13.9	13.9	18.5	18.5	13.9	13.9	9.2	9.2	9.2
92.5°	23.1	36.9	60.1	69.3	97.0	83.2	64.6	41.6	32.4	27.7	27.7
95°	41.6	55.4	115.5	143.3	272.7	429.7	415.8	346.5	152.5	106.2	97.0
97.5°	64.6	74.0	129.4	161.7	323.4	707.0	831.7	831.7	572.9	378.9	318.8
100°	87.8	97.0	143.3	171.0	314.2	739.3	970.3	1122.8	1081.2	910.2	827.1
102.5°	115.5	129.4	161.7	184.8	304.9	702.3	965.7	1196.8	1349.2	1279.9	1243.0
105°	143.3	161.7	184.8	203.4	304.9	642.2	901.0	1164.4	1487.8	1520.2	1515.6



TEST NUMBER: P844804

CATALOG NUMBER: SQ4P-125U-0D-B50-1D-UNV

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	221.8	240.3	263.4	272.7	342.0	540.7	702.3	901.0	1303.0	1529.4	1575.7
115°	249.5	263.4	295.7	300.4	355.8	531.4	670.0	831.7	1192.1	1413.9	1474.0
117.5°	277.2	281.9	328.1	332.7	374.2	531.4	651.5	790.2	1099.7	1307.7	1363.1
120°	300.4	304.9	360.4	360.4	392.8	536.0	637.7	757.8	1021.1	1206.0	1261.4
122.5°	318.8	323.4	388.1	388.1	415.8	536.0	628.4	739.3	965.7	1122.8	1169.0
125°	337.3	342.0	406.6	415.8	434.3	545.2	623.8	720.9	919.6	1053.5	1090.4
127.5°	355.8	360.4	411.3	434.3	457.4	549.9	623.8	707.0	878.0	1002.7	1035.0
130°	374.2	378.9	420.5	443.5	480.6	554.5	619.2	693.1	850.3	951.8	984.2
132.5°	392.8	397.4	429.7	448.2	494.4	563.7	619.2	683.8	822.5	914.9	942.6
135°	406.6	415.8	443.5	457.4	508.3	568.4	619.2	670.0	794.8	878.0	901.0
137.5°	425.1	434.3	457.4	466.7	512.9	577.6	619.2	665.4	771.6	845.6	868.7
140°	439.0	448.2	471.3	480.6	522.1	582.2	619.2	660.8	748.6	813.2	831.7
142.5°	457.4	466.7	485.2	494.4	526.8	586.8	619.2	656.1	730.1	780.9	799.4
145°	475.9	480.6	499.1	508.3	536.0	586.8	614.5	646.9	711.5	757.8	767.0
147.5°	494.4	499.1	517.5	522.1	549.9	586.8	610.0	642.2	693.1	734.7	743.9
150°	508.3	517.5	531.4	536.0	559.1	591.5	610.0	633.0	679.3	711.5	720.9
152.5°	526.8	531.4	540.7	549.9	568.4	591.5	605.3	628.4	665.4	688.5	697.7
155°	540.7	545.2	554.5	559.1	577.6	596.1	605.3	623.8	651.5	674.6	679.3
157.5°	554.5	559.1	568.4	572.9	582.2	600.7	605.3	623.8	646.9	660.8	665.4
160°	568.4	572.9	577.6	582.2	591.5	600.7	610.0	619.2	637.7	651.5	656.1
162.5°	582.2	582.2	586.8	591.5	600.7	605.3	610.0	619.2	633.0	642.2	646.9
165°	591.5	591.5	596.1	596.1	605.3	605.3	610.0	619.2	628.4	637.7	637.7
167.5°	600.7	600.7	605.3	605.3	610.0	610.0	610.0	619.2	623.8	633.0	633.0
170°	605.3	610.0	610.0	610.0	614.5	614.5	614.5	619.2	623.8	628.4	628.4
172.5°	614.5	614.5	614.5	614.5	619.2	614.5	614.5	619.2	623.8	623.8	623.8
175°	619.2	619.2	619.2	619.2	619.2	614.5	614.5	619.2	619.2	623.8	623.8
177.5°	619.2	619.2	619.2	619.2	623.8	614.5	614.5	619.2	619.2	623.8	623.8
180°	619.2	619.2	619.2	619.2	619.2	619.2	619.2	619.2	619.2	619.2	619.2



TEST NUMBER: P844804

CATALOG NUMBER: SQ4P-125U-0D-B50-1D-UNV

CANDELA DISTRIBUTION (continued):

	80°	90°
0°	0.0	0.0
2.5°	0.0	0.0
5°	0.0	0.0
7.5°	0.0	0.0
10°	0.0	0.0
12.5°	0.0	0.0
15°	0.0	0.0
17.5°	0.0	0.0
20°	0.0	0.0
22.5°	0.0	0.0
25°	0.0	0.0
27.5°	0.0	0.0
30°	0.0	0.0
32.5°	0.0	0.0
35°	0.0	0.0
37.5°	0.0	0.0
40°	0.0	0.0
42.5°	0.0	0.0
45°	0.0	0.0
47.5°	0.0	0.0
50°	0.0	0.0
52.5°	0.0	0.0
55°	0.0	0.0
57.5°	0.0	0.0
60°	0.0	0.0
62.5°	0.0	0.0
65°	0.0	0.0
67.5°	0.0	0.0
70°	0.0	0.0
72.5°	0.0	0.0
75°	0.0	0.0
77.5°	0.0	0.0
80°	0.0	0.0
82.5°	0.0	0.0
85°	0.0	0.0
87.5°	0.0	0.0
90°	4.7	4.7
92.5°	23.1	23.1
95°	69.3	64.6
97.5°	231.1	203.4
100°	642.2	586.8
102.5°	1095.1	1053.5
105°	1432.4	1413.9



TEST NUMBER: P844804

CATALOG NUMBER: SQ4P-125U-0D-B50-1D-UNV

CANDELA DISTRIBUTION (continued):

	80°	90°
112.5°	1705.1	1742.0
115°	1626.4	1668.0
117.5°	1511.0	1561.8
120°	1409.3	1455.6
122.5°	1307.7	1349.2
125°	1215.3	1256.9
127.5°	1136.7	1173.7
130°	1072.0	1104.3
132.5°	1021.1	1044.3
135°	970.3	993.4
137.5°	928.8	951.8
140°	887.2	905.7
142.5°	845.6	864.1
145°	808.6	822.5
147.5°	776.3	785.5
150°	743.9	753.1
152.5°	720.9	725.4
155°	697.7	697.7
157.5°	679.3	679.3
160°	660.8	665.4
162.5°	651.5	651.5
165°	642.2	642.2
167.5°	633.0	633.0
170°	628.4	628.4
172.5°	628.4	623.8
175°	623.8	619.2
177.5°	623.8	619.2
180°	619.2	619.2



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	171.0	189.5	207.9	226.4	309.6	591.5	817.9	1076.6	1487.8	1626.4	1640.3
110°	194.0	217.2	235.6	249.5	323.4	559.1	753.1	984.2	1409.3	1612.6	1649.6





107.5°	1654.2	1645.0
110°	1728.1	1746.6



(END OF REPORT)