

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: P844790

Luminaire Tested: **SQ4P-025U-0D-B35-1D-UNV**

Issue Date: 8/14/2023



Test Information

Test Method: LM-79-08
Report Number: P844790
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-025U-0D-B35-1D-UNV
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH, 250 LUMENS PER FOOT
UPLIGHT, INDIRECT ONLY

Light Source: -
Ballast/Driver: -

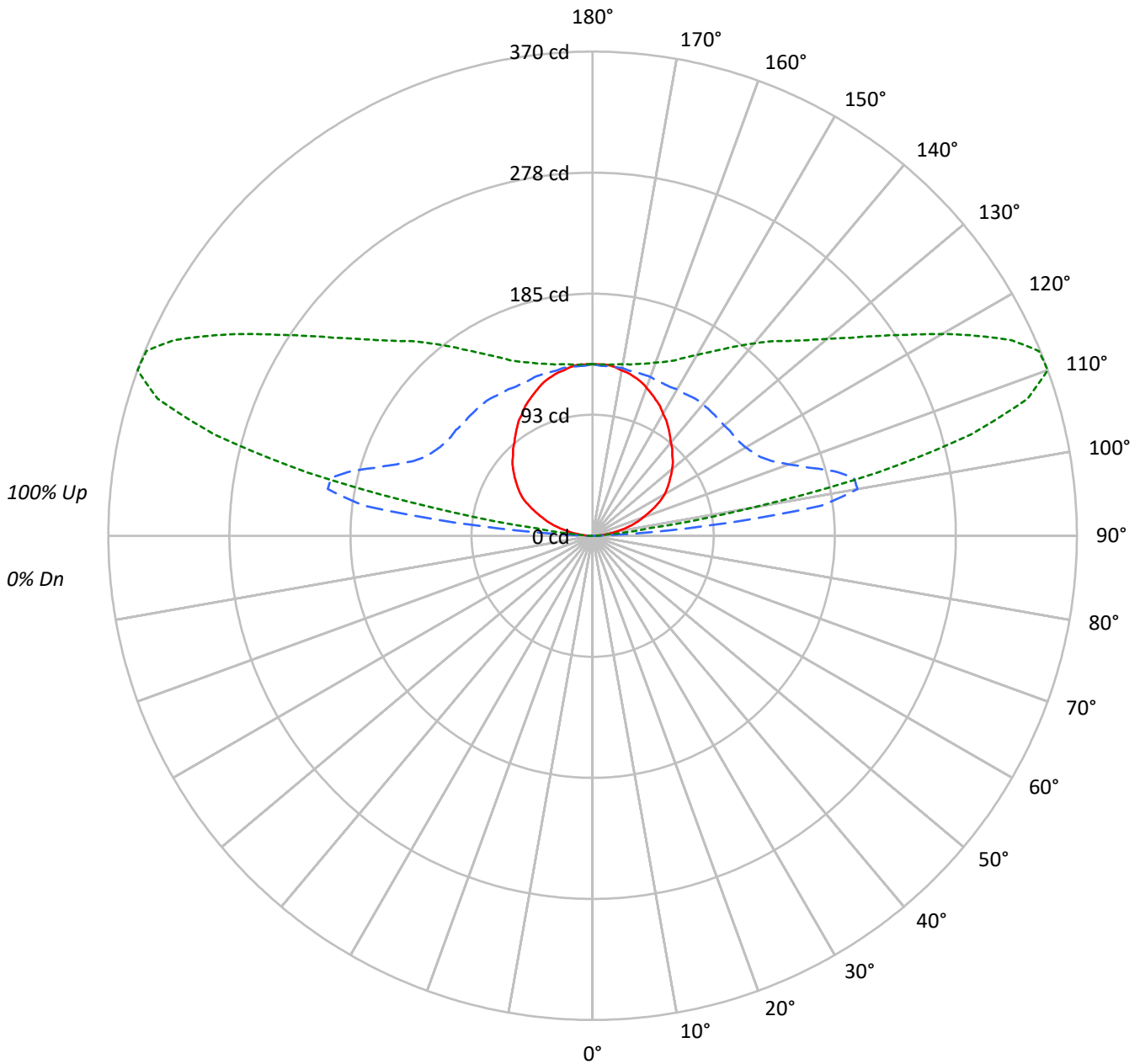
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 850.3 lumens
Efficiency: N/A
Efficacy: 121.5 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): 7
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									
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



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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°	0.3	0.0
90°-100°	51.7	6.1
100°-110°	181.6	21.4
110°-120°	175.8	20.7
120°-130°	137.4	16.2
130°-140°	109.2	12.8
140°-150°	84.3	9.9
150°-160°	60.5	7.1
160°-170°	37.0	4.3
170°-180°	12.5	1.5
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	0.3	0.0
90°-120°	409.0	48.1
90°-150°	739.9	87.0
90°-180°	850.0	100.0
0°-180°	850.3	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°	2	3	3	2	1	1
95°	9	30	88	22	14	9
105°	30	43	191	322	300	32
115°	53	64	142	300	353	52
125°	71	88	132	223	266	64
135°	86	97	131	186	210	67
145°	101	108	130	160	174	63
155°	114	118	128	143	148	53
165°	125	126	129	135	136	35
175°	131	131	130	132	131	12
180°	131	131	131	131	131	



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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°	2.0	2.0	2.9	2.9	3.9	3.9	2.9	2.9	2.0	2.0	2.0
92.5°	4.9	7.8	12.7	14.7	20.5	17.6	13.7	8.8	6.8	5.9	5.9
95°	8.8	11.7	24.5	30.3	57.7	91.0	88.1	73.4	32.3	22.5	20.5
97.5°	13.7	15.7	27.4	34.2	68.5	149.7	176.1	176.1	121.3	80.2	67.5
100°	18.6	20.5	30.3	36.2	66.5	156.6	205.5	237.8	229.0	192.8	175.2
102.5°	24.5	27.4	34.2	39.1	64.6	148.7	204.5	253.4	285.8	271.1	263.2
105°	30.3	34.2	39.1	43.1	64.6	136.0	190.8	246.6	315.2	322.0	321.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	47.0	50.9	55.8	57.7	72.4	114.5	148.7	190.8	276.0	324.0	333.8
115°	52.8	55.8	62.6	63.6	75.3	112.5	141.9	176.1	252.5	299.5	312.3
117.5°	58.7	59.7	69.5	70.5	79.3	112.5	138.0	167.3	232.9	276.9	288.8
120°	63.6	64.6	76.3	76.3	83.2	113.5	135.0	160.5	216.3	255.4	267.1
122.5°	67.5	68.5	82.2	82.2	88.1	113.5	133.1	156.6	204.5	237.8	247.6
125°	71.4	72.4	86.1	88.1	92.0	115.5	132.1	152.7	194.7	223.1	230.9
127.5°	75.3	76.3	87.1	92.0	96.9	116.4	132.1	149.7	185.9	212.3	219.2
130°	79.3	80.2	89.0	93.9	101.8	117.4	131.1	146.8	180.1	201.6	208.4
132.5°	83.2	84.2	91.0	94.9	104.7	119.4	131.1	144.8	174.2	193.8	199.6
135°	86.1	88.1	93.9	96.9	107.6	120.4	131.1	141.9	168.3	185.9	190.8
137.5°	90.0	92.0	96.9	98.8	108.6	122.3	131.1	140.9	163.4	179.1	184.0
140°	93.0	94.9	99.8	101.8	110.6	123.3	131.1	139.9	158.5	172.2	176.1
142.5°	96.9	98.8	102.7	104.7	111.6	124.3	131.1	139.0	154.6	165.4	169.3
145°	100.8	101.8	105.7	107.6	113.5	124.3	130.1	137.0	150.7	160.5	162.4
147.5°	104.7	105.7	109.6	110.6	116.4	124.3	129.2	136.0	146.8	155.6	157.5
150°	107.6	109.6	112.5	113.5	118.4	125.3	129.2	134.1	143.8	150.7	152.7
152.5°	111.6	112.5	114.5	116.4	120.4	125.3	128.2	133.1	140.9	145.8	147.8
155°	114.5	115.5	117.4	118.4	122.3	126.2	128.2	132.1	138.0	142.9	143.8
157.5°	117.4	118.4	120.4	121.3	123.3	127.2	128.2	132.1	137.0	139.9	140.9
160°	120.4	121.3	122.3	123.3	125.3	127.2	129.2	131.1	135.0	138.0	139.0
162.5°	123.3	123.3	124.3	125.3	127.2	128.2	129.2	131.1	134.1	136.0	137.0
165°	125.3	125.3	126.2	126.2	128.2	128.2	129.2	131.1	133.1	135.0	135.0
167.5°	127.2	127.2	128.2	128.2	129.2	129.2	129.2	131.1	132.1	134.1	134.1
170°	128.2	129.2	129.2	129.2	130.1	130.1	130.1	131.1	132.1	133.1	133.1
172.5°	130.1	130.1	130.1	130.1	131.1	130.1	130.1	131.1	132.1	132.1	132.1
175°	131.1	131.1	131.1	131.1	131.1	130.1	130.1	131.1	131.1	132.1	132.1
177.5°	131.1	131.1	131.1	131.1	132.1	130.1	130.1	131.1	131.1	132.1	132.1
180°	131.1	131.1	131.1	131.1	131.1	131.1	131.1	131.1	131.1	131.1	131.1



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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°	1.0	1.0
92.5°	4.9	4.9
95°	14.7	13.7
97.5°	48.9	43.1
100°	136.0	124.3
102.5°	231.9	223.1
105°	303.5	299.5



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CANDELA DISTRIBUTION (continued):

	80°	90°
112.5°	361.2	369.0
115°	344.6	353.4
117.5°	320.1	330.9
120°	298.6	308.3
122.5°	276.9	285.8
125°	257.4	266.2
127.5°	240.7	248.6
130°	227.0	233.9
132.5°	216.3	221.2
135°	205.5	210.4
137.5°	196.7	201.6
140°	187.9	191.8
142.5°	179.1	183.0
145°	171.2	174.2
147.5°	164.4	166.4
150°	157.5	159.5
152.5°	152.7	153.6
155°	147.8	147.8
157.5°	143.8	143.8
160°	139.9	140.9
162.5°	138.0	138.0
165°	136.0	136.0
167.5°	134.1	134.1
170°	133.1	133.1
172.5°	133.1	132.1
175°	132.1	131.1
177.5°	132.1	131.1
180°	131.1	131.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	36.2	40.1	44.0	47.9	65.6	125.3	173.2	228.0	315.2	344.6	347.5
110°	41.1	46.0	49.9	52.8	68.5	118.4	159.5	208.4	298.6	341.6	349.4





107.5°	350.4	348.5
110°	366.1	370.0



(END OF REPORT)