

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: P844791

Luminaire Tested: **SQ4P-025U-0D-B40-1D-UNV**

Issue Date: 8/14/2023



Test Information

Test Method: LM-79-08
Report Number: P844791
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-B40-1D-UNV
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH, 250 LUMENS PER FOOT
UPLIGHT, INDIRECT ONLY

Light Source: -
Ballast/Driver: -

Summary

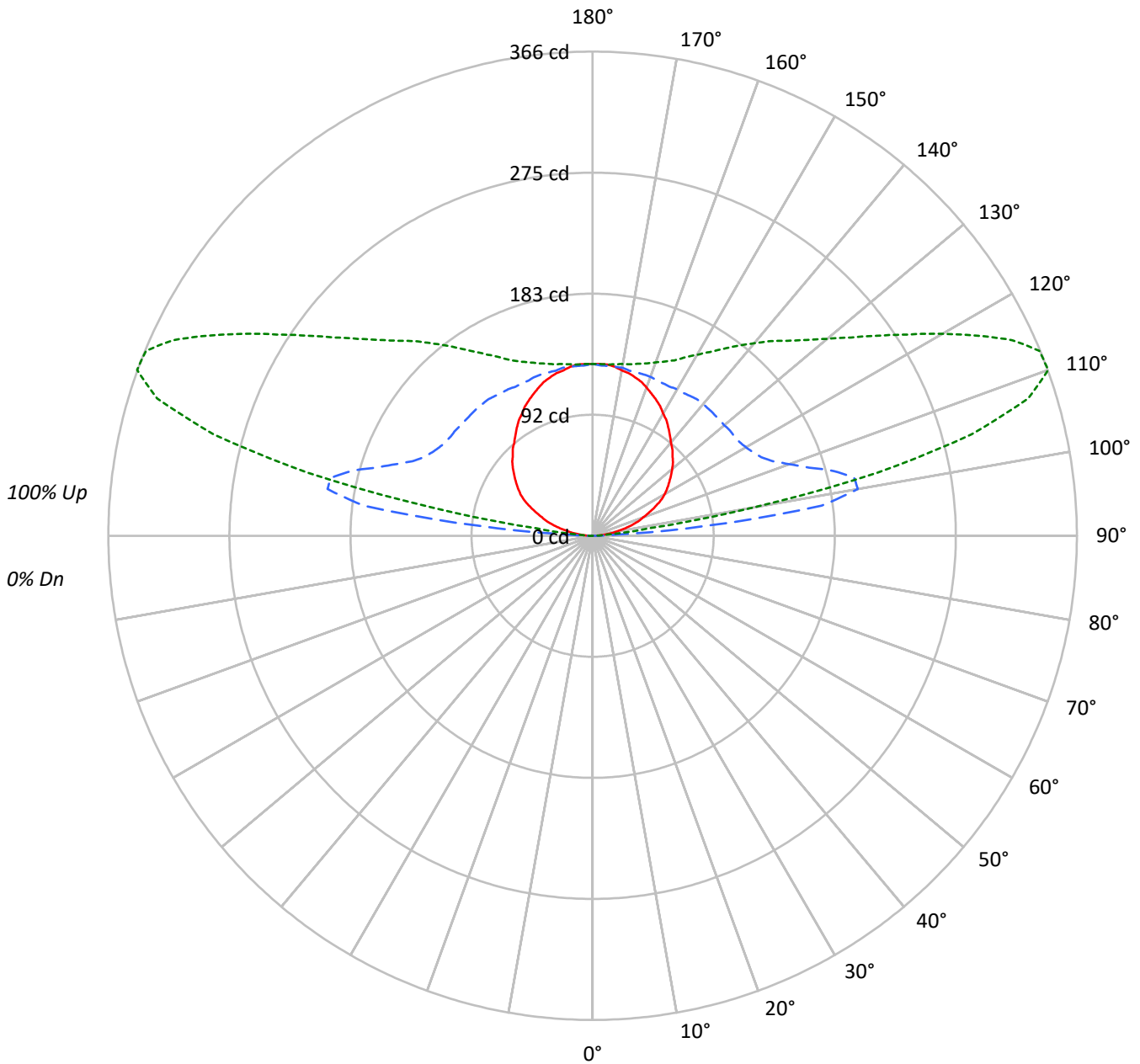
Lumens per Lamp: N/A
Luminaire Lumens: 842.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Indirect

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°	51.2	6.1
100°-110°	179.8	21.4
110°-120°	174.1	20.7
120°-130°	136.0	16.2
130°-140°	108.1	12.8
140°-150°	83.5	9.9
150°-160°	59.9	7.1
160°-170°	36.6	4.3
170°-180°	12.4	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°	405.1	48.1
90°-150°	732.7	87.0
90°-180°	842.0	100.0
0°-180°	842.0	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	87	22	14	9
105°	30	43	189	319	297	32
115°	52	63	140	297	350	52
125°	71	87	131	221	264	63
135°	85	96	130	184	208	66
145°	100	107	129	159	172	62
155°	113	117	127	142	146	52
165°	124	125	128	134	135	35
175°	130	130	129	131	130	12
180°	130	130	130	130	130	



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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°	1.9	1.9	2.9	2.9	3.9	3.9	2.9	2.9	1.9	1.9	1.9
92.5°	4.8	7.8	12.6	14.5	20.4	17.4	13.6	8.7	6.8	5.8	5.8
95°	8.7	11.6	24.2	30.0	57.2	90.1	87.2	72.7	32.0	22.3	20.4
97.5°	13.6	15.5	27.1	33.9	67.8	148.3	174.4	174.4	120.2	79.5	66.9
100°	18.4	20.4	30.0	35.9	65.9	155.1	203.5	235.5	226.8	190.9	173.5
102.5°	24.2	27.1	33.9	38.8	64.0	147.3	202.5	251.0	283.1	268.4	260.7
105°	30.0	33.9	38.8	42.6	64.0	134.7	189.0	244.2	312.1	318.9	317.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	46.5	50.4	55.2	57.2	71.7	113.4	147.3	189.0	273.3	320.9	330.5
115°	52.3	55.2	62.0	63.0	74.6	111.4	140.5	174.4	250.0	296.6	309.2
117.5°	58.1	59.1	68.8	69.8	78.5	111.4	136.6	165.7	230.6	274.2	286.0
120°	63.0	64.0	75.6	75.6	82.4	112.4	133.7	158.9	214.2	252.9	264.6
122.5°	66.9	67.8	81.4	81.4	87.2	112.4	131.8	155.1	202.5	235.5	245.2
125°	70.7	71.7	85.3	87.2	91.1	114.3	130.8	151.2	192.8	220.9	228.7
127.5°	74.6	75.6	86.2	91.1	95.9	115.3	130.8	148.3	184.1	210.3	217.1
130°	78.5	79.5	88.2	93.0	100.8	116.3	129.9	145.4	178.3	199.6	206.4
132.5°	82.4	83.3	90.1	94.0	103.7	118.2	129.9	143.4	172.5	191.9	197.7
135°	85.3	87.2	93.0	95.9	106.6	119.2	129.9	140.5	166.7	184.1	189.0
137.5°	89.2	91.1	95.9	97.9	107.6	121.1	129.9	139.5	161.8	177.3	182.2
140°	92.1	94.0	98.8	100.8	109.5	122.1	129.9	138.6	157.0	170.6	174.4
142.5°	95.9	97.9	101.8	103.7	110.5	123.1	129.9	137.6	153.1	163.8	167.6
145°	99.8	100.8	104.7	106.6	112.4	123.1	128.9	135.7	149.2	158.9	160.9
147.5°	103.7	104.7	108.5	109.5	115.3	123.1	127.9	134.7	145.4	154.1	156.0
150°	106.6	108.5	111.4	112.4	117.3	124.0	127.9	132.8	142.5	149.2	151.2
152.5°	110.5	111.4	113.4	115.3	119.2	124.0	126.9	131.8	139.5	144.4	146.3
155°	113.4	114.3	116.3	117.3	121.1	125.0	126.9	130.8	136.6	141.5	142.5
157.5°	116.3	117.3	119.2	120.2	122.1	126.0	126.9	130.8	135.7	138.6	139.5
160°	119.2	120.2	121.1	122.1	124.0	126.0	127.9	129.9	133.7	136.6	137.6
162.5°	122.1	122.1	123.1	124.0	126.0	126.9	127.9	129.9	132.8	134.7	135.7
165°	124.0	124.0	125.0	125.0	126.9	126.9	127.9	129.9	131.8	133.7	133.7
167.5°	126.0	126.0	126.9	126.9	127.9	127.9	127.9	129.9	130.8	132.8	132.8
170°	126.9	127.9	127.9	127.9	128.9	128.9	128.9	129.9	130.8	131.8	131.8
172.5°	128.9	128.9	128.9	128.9	129.9	128.9	128.9	129.9	130.8	130.8	130.8
175°	129.9	129.9	129.9	129.9	129.9	128.9	128.9	129.9	129.9	130.8	130.8
177.5°	129.9	129.9	129.9	129.9	130.8	128.9	128.9	129.9	129.9	130.8	130.8
180°	129.9	129.9	129.9	129.9	129.9	129.9	129.9	129.9	129.9	129.9	129.9



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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°	4.8	4.8
95°	14.5	13.6
97.5°	48.5	42.6
100°	134.7	123.1
102.5°	229.7	220.9
105°	300.5	296.6



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CANDELA DISTRIBUTION (continued):

	80°	90°
112.5°	357.7	365.4
115°	341.2	349.9
117.5°	317.0	327.6
120°	295.7	305.4
122.5°	274.2	283.1
125°	254.9	263.6
127.5°	238.4	246.1
130°	224.8	231.6
132.5°	214.2	219.0
135°	203.5	208.3
137.5°	194.8	199.6
140°	186.1	189.9
142.5°	177.3	181.2
145°	169.6	172.5
147.5°	162.8	164.7
150°	156.0	158.0
152.5°	151.2	152.1
155°	146.3	146.3
157.5°	142.5	142.5
160°	138.6	139.5
162.5°	136.6	136.6
165°	134.7	134.7
167.5°	132.8	132.8
170°	131.8	131.8
172.5°	131.8	130.8
175°	130.8	129.9
177.5°	130.8	129.9
180°	129.9	129.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	35.9	39.7	43.6	47.5	64.9	124.0	171.5	225.8	312.1	341.2	344.1
110°	40.7	45.5	49.4	52.3	67.8	117.3	158.0	206.4	295.7	338.3	346.1





107.5°	347.0	345.1
110°	362.5	366.4



(END OF REPORT)