

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: P844796

Luminaire Tested: **SQ4P-075U-0D-B35-1D-UNV**

Issue Date: 8/14/2023

Test Information

Test Method: LM-79-08
Report Number: P844796
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-075U-0D-B35-1D-UNV
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH, 750 LUMENS PER FOOT
UPLIGHT, INDIRECT ONLY

Light Source: -
Ballast/Driver: -

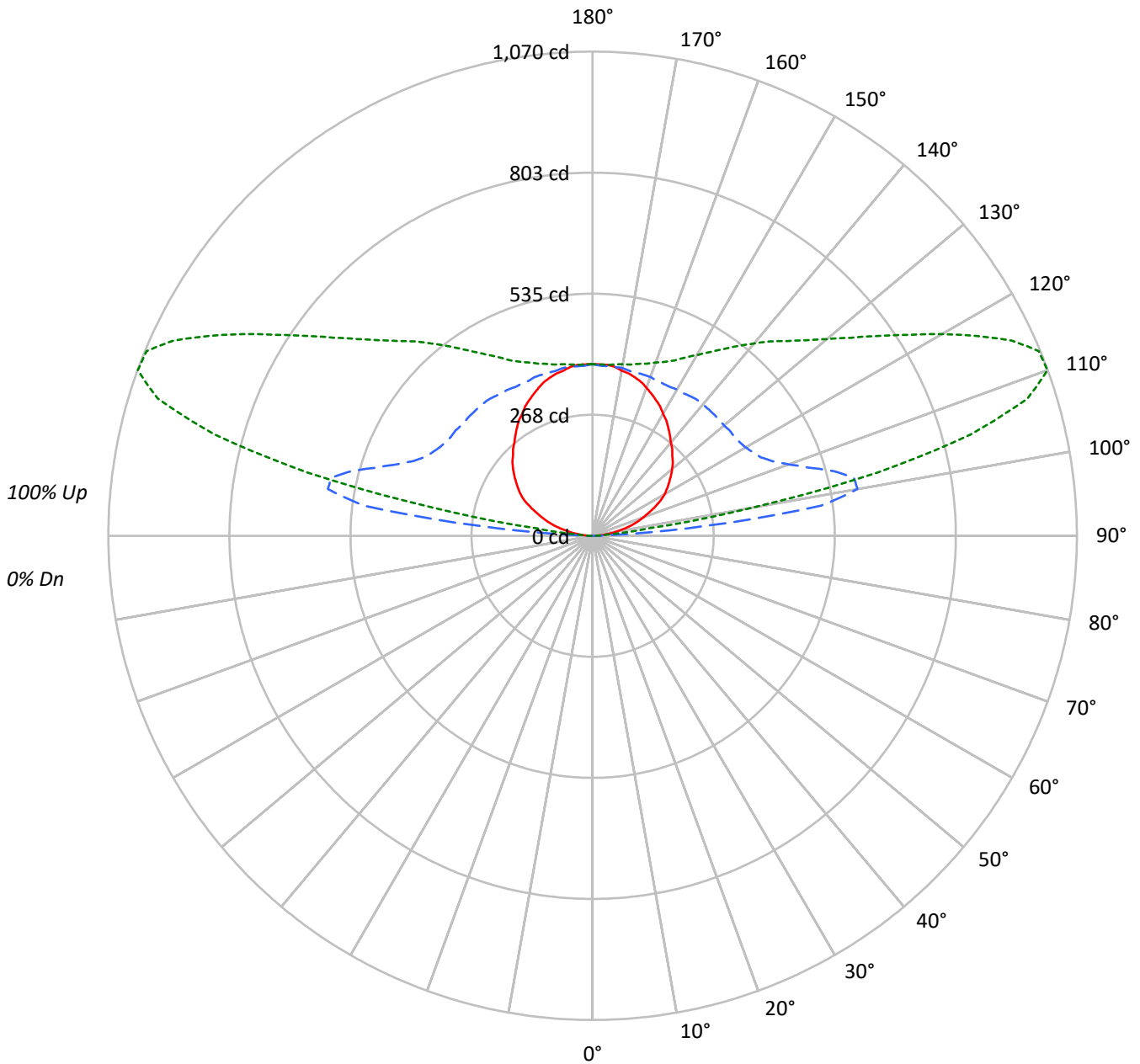
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2458.2 lumens
Efficiency: N/A
Efficacy: 129.4 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): 19
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	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°	1.0	0.0
90°-100°	149.5	6.1
100°-110°	524.9	21.4
110°-120°	508.1	20.7
120°-130°	397.1	16.2
130°-140°	315.7	12.8
140°-150°	243.8	9.9
150°-160°	175.0	7.1
160°-170°	106.9	4.3
170°-180°	36.2	1.5
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.0	0.0
90°-120°	1182.5	48.1
90°-150°	2139.1	87.0
90°-180°	2457.0	100.0
0°-180°	2458.2	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°	6	8	8	6	3	4
95°	25	88	255	65	40	27
105°	88	124	552	931	866	92
115°	153	184	410	866	1021	151
125°	207	255	382	645	770	185
135°	249	280	379	538	608	193
145°	291	311	376	464	504	182
155°	331	342	371	413	427	153
165°	362	365	373	390	393	102
175°	379	379	376	382	379	36
180°	379	379	379	379	379	



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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°	5.7	5.7	8.5	8.5	11.4	11.4	8.5	8.5	5.7	5.7	5.7
92.5°	14.2	22.6	36.8	42.5	59.4	50.9	39.6	25.4	19.8	16.9	16.9
95°	25.4	34.0	70.8	87.7	166.9	263.1	254.6	212.2	93.4	65.1	59.4
97.5°	39.6	45.3	79.3	99.0	198.1	432.8	509.2	509.2	350.8	232.0	195.2
100°	53.7	59.4	87.7	104.7	192.4	452.7	594.1	687.5	662.0	557.4	506.4
102.5°	70.8	79.3	99.0	113.1	186.7	430.1	591.3	732.8	826.1	783.7	761.0
105°	87.7	99.0	113.1	124.5	186.7	393.3	551.7	713.0	911.0	930.8	928.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	135.8	147.1	161.3	166.9	209.3	331.0	430.1	551.7	797.8	936.5	964.8
115°	152.8	161.3	181.0	183.9	217.8	325.4	410.2	509.2	729.9	865.7	902.5
117.5°	169.8	172.6	200.9	203.7	229.2	325.4	399.0	483.8	673.4	800.7	834.6
120°	183.9	186.7	220.7	220.7	240.4	328.2	390.4	464.0	625.2	738.4	772.4
122.5°	195.2	198.1	237.7	237.7	254.6	328.2	384.8	452.7	591.3	687.5	715.8
125°	206.6	209.3	248.9	254.6	266.0	333.9	381.9	441.3	563.0	645.1	667.7
127.5°	217.8	220.7	251.8	266.0	280.1	336.6	381.9	432.8	537.5	614.0	633.7
130°	229.2	232.0	257.5	271.6	294.3	339.5	379.1	424.4	520.6	582.8	602.6
132.5°	240.4	243.3	263.1	274.4	302.8	345.1	379.1	418.7	503.6	560.2	577.2
135°	248.9	254.6	271.6	280.1	311.2	348.0	379.1	410.2	486.6	537.5	551.7
137.5°	260.3	266.0	280.1	285.7	314.0	353.7	379.1	407.4	472.5	517.8	531.9
140°	268.8	274.4	288.6	294.3	319.7	356.5	379.1	404.5	458.4	497.9	509.2
142.5°	280.1	285.7	297.1	302.8	322.5	359.3	379.1	401.7	447.0	478.1	489.5
145°	291.4	294.3	305.5	311.2	328.2	359.3	376.3	396.1	435.7	464.0	469.6
147.5°	302.8	305.5	316.9	319.7	336.6	359.3	373.4	393.3	424.4	449.8	455.5
150°	311.2	316.9	325.4	328.2	342.3	362.2	373.4	387.6	415.9	435.7	441.3
152.5°	322.5	325.4	331.0	336.6	348.0	362.2	370.6	384.8	407.4	421.6	427.2
155°	331.0	333.9	339.5	342.3	353.7	365.0	370.6	381.9	399.0	413.1	415.9
157.5°	339.5	342.3	348.0	350.8	356.5	367.8	370.6	381.9	396.1	404.5	407.4
160°	348.0	350.8	353.7	356.5	362.2	367.8	373.4	379.1	390.4	399.0	401.7
162.5°	356.5	356.5	359.3	362.2	367.8	370.6	373.4	379.1	387.6	393.3	396.1
165°	362.2	362.2	365.0	365.0	370.6	370.6	373.4	379.1	384.8	390.4	390.4
167.5°	367.8	367.8	370.6	370.6	373.4	373.4	373.4	379.1	381.9	387.6	387.6
170°	370.6	373.4	373.4	373.4	376.3	376.3	376.3	379.1	381.9	384.8	384.8
172.5°	376.3	376.3	376.3	376.3	379.1	376.3	376.3	379.1	381.9	381.9	381.9
175°	379.1	379.1	379.1	379.1	379.1	376.3	376.3	379.1	379.1	381.9	381.9
177.5°	379.1	379.1	379.1	379.1	381.9	376.3	376.3	379.1	379.1	381.9	381.9
180°	379.1	379.1	379.1	379.1	379.1	379.1	379.1	379.1	379.1	379.1	379.1



TEST NUMBER: P844796

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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°	2.8	2.8
92.5°	14.2	14.2
95°	42.5	39.6
97.5°	141.5	124.5
100°	393.3	359.3
102.5°	670.5	645.1
105°	877.1	865.7



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CANDELA DISTRIBUTION (continued):

	80°	90°
112.5°	1043.9	1066.6
115°	995.9	1021.3
117.5°	925.1	956.3
120°	862.9	891.2
122.5°	800.7	826.1
125°	744.1	769.5
127.5°	696.0	718.7
130°	656.4	676.2
132.5°	625.2	639.4
135°	594.1	608.3
137.5°	568.6	582.8
140°	543.2	554.6
142.5°	517.8	529.0
145°	495.2	503.6
147.5°	475.3	481.0
150°	455.5	461.2
152.5°	441.3	444.2
155°	427.2	427.2
157.5°	415.9	415.9
160°	404.5	407.4
162.5°	399.0	399.0
165°	393.3	393.3
167.5°	387.6	387.6
170°	384.8	384.8
172.5°	384.8	381.9
175°	381.9	379.1
177.5°	381.9	379.1
180°	379.1	379.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	104.7	116.0	127.3	138.7	189.5	362.2	500.7	659.2	911.0	995.9	1004.4
110°	118.8	133.0	144.2	152.8	198.1	342.3	461.2	602.6	862.9	987.4	1010.0





107.5°	1012.8	1007.2
110°	1058.1	1069.5



(END OF REPORT)