

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: P844803

Luminaire Tested: **SQ4P-125U-0D-B40-1D-UNV**

Issue Date: 8/14/2023

Test Information

Test Method: LM-79-08
Report Number: P844803
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-B40-1D-UNV
Description: CORELITE SQ4 SUSPENDED LED LUMINAIRE WITH, 1250 LUMENS PER FOOT
UPLIGHT, INDIRECT ONLY

Light Source: -
Ballast/Driver: -

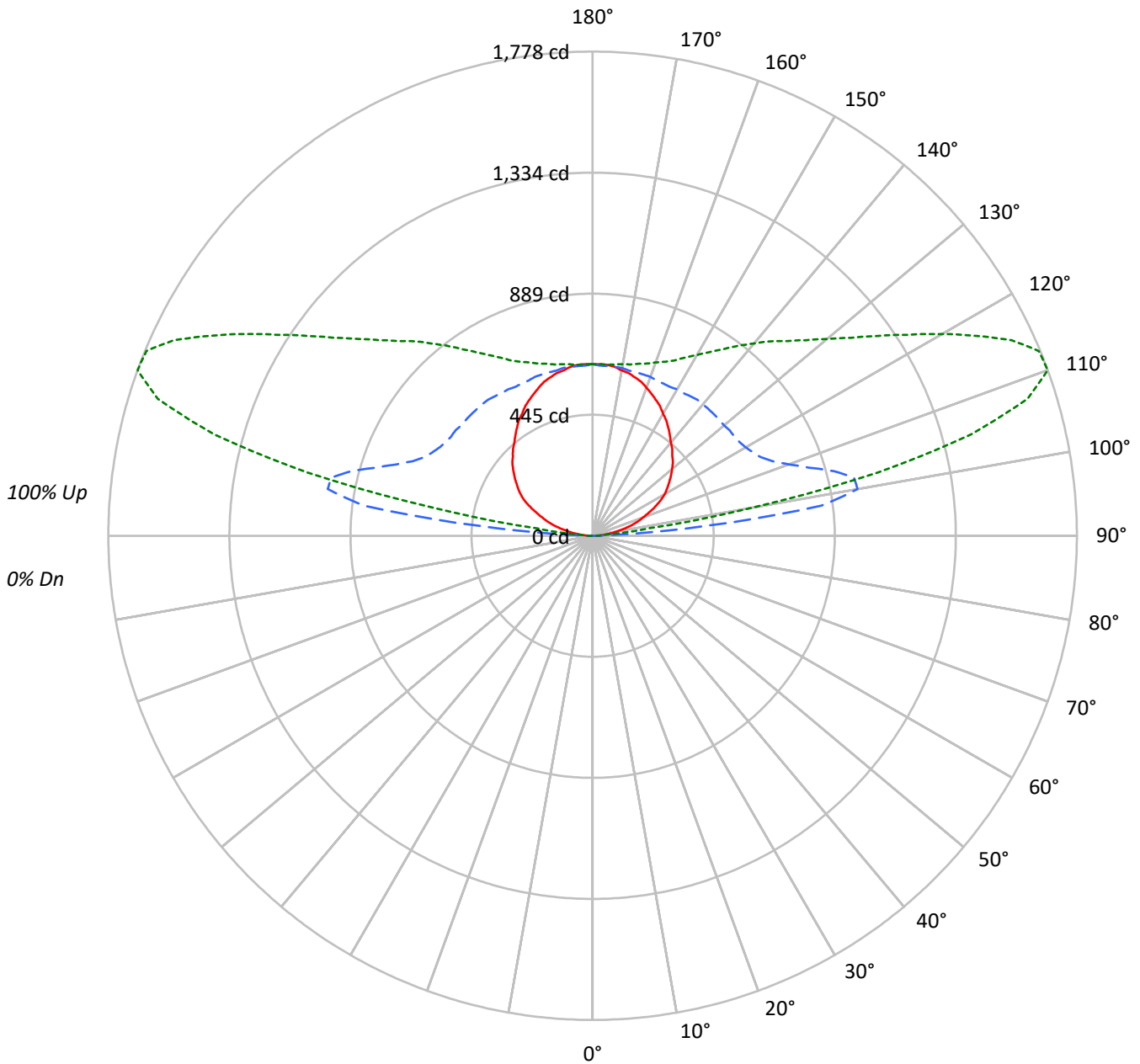
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4086.5 lumens
Efficiency: N/A
Efficacy: 120.2 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

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

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°	1.6	0.0
90°-100°	248.4	6.1
100°-110°	872.6	21.4
110°-120°	844.7	20.7
120°-130°	660.2	16.2
130°-140°	524.8	12.8
140°-150°	405.3	9.9
150°-160°	290.9	7.1
160°-170°	177.7	4.3
170°-180°	60.2	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°	1965.8	48.1
90°-150°	3556.1	87.0
90°-180°	4085.0	100.0
0°-180°	4086.5	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	146	423	108	66	45
105°	146	207	917	1547	1439	153
115°	254	306	682	1439	1698	251
125°	343	423	635	1072	1279	307
135°	414	466	630	894	1011	321
145°	484	517	626	771	837	303
155°	550	569	616	687	710	254
165°	602	607	621	649	654	170
175°	630	630	626	635	630	60
180°	630	630	630	630	630	



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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°	9.4	9.4	14.1	14.1	18.8	18.8	14.1	14.1	9.4	9.4	9.4
92.5°	23.5	37.6	61.1	70.5	98.7	84.7	65.8	42.3	32.9	28.2	28.2
95°	42.3	56.4	117.5	145.8	277.5	437.4	423.3	352.7	155.2	108.1	98.7
97.5°	65.8	75.3	131.7	164.6	329.2	719.6	846.6	846.6	583.2	385.7	324.5
100°	89.3	98.7	145.8	174.0	319.8	752.6	987.7	1142.9	1100.6	926.5	841.9
102.5°	117.5	131.7	164.6	188.1	310.4	714.9	983.0	1218.2	1373.4	1302.8	1265.2
105°	145.8	164.6	188.1	207.0	310.4	653.7	917.1	1185.3	1514.5	1547.4	1542.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	225.8	244.6	268.1	277.5	348.1	550.3	714.9	917.1	1326.4	1556.8	1603.9
115°	254.0	268.1	301.0	305.7	362.1	540.9	682.0	846.6	1213.5	1439.3	1500.4
117.5°	282.2	286.9	333.9	338.7	380.9	540.9	663.1	804.3	1119.4	1331.1	1387.5
120°	305.7	310.4	366.9	366.9	399.8	545.6	649.1	771.4	1039.4	1227.6	1284.0
122.5°	324.5	329.2	395.1	395.1	423.3	545.6	639.7	752.6	983.0	1142.9	1189.9
125°	343.3	348.1	413.9	423.3	442.1	555.0	634.9	733.8	936.0	1072.4	1110.0
127.5°	362.1	366.9	418.6	442.1	465.6	559.7	634.9	719.6	893.7	1020.6	1053.6
130°	380.9	385.7	428.0	451.5	489.2	564.4	630.3	705.5	865.5	968.9	1001.8
132.5°	399.8	404.5	437.4	456.2	503.2	573.8	630.3	696.1	837.2	931.3	959.5
135°	413.9	423.3	451.5	465.6	517.4	578.5	630.3	682.0	809.0	893.7	917.1
137.5°	432.7	442.1	465.6	475.0	522.0	587.9	630.3	677.3	785.4	860.7	884.3
140°	446.8	456.2	479.8	489.2	531.4	592.6	630.3	672.6	762.0	827.8	846.6
142.5°	465.6	475.0	493.8	503.2	536.2	597.3	630.3	667.9	743.2	794.8	813.7
145°	484.4	489.2	508.0	517.4	545.6	597.3	625.5	658.5	724.3	771.4	780.8
147.5°	503.2	508.0	526.8	531.4	559.7	597.3	620.9	653.7	705.5	747.8	757.2
150°	517.4	526.8	540.9	545.6	569.1	602.1	620.9	644.3	691.4	724.3	733.8
152.5°	536.2	540.9	550.3	559.7	578.5	602.1	616.1	639.7	677.3	700.8	710.2
155°	550.3	555.0	564.4	569.1	587.9	606.7	616.1	634.9	663.1	686.7	691.4
157.5°	564.4	569.1	578.5	583.2	592.6	611.5	616.1	634.9	658.5	672.6	677.3
160°	578.5	583.2	587.9	592.6	602.1	611.5	620.9	630.3	649.1	663.1	667.9
162.5°	592.6	592.6	597.3	602.1	611.5	616.1	620.9	630.3	644.3	653.7	658.5
165°	602.1	602.1	606.7	606.7	616.1	616.1	620.9	630.3	639.7	649.1	649.1
167.5°	611.5	611.5	616.1	616.1	620.9	620.9	620.9	630.3	634.9	644.3	644.3
170°	616.1	620.9	620.9	620.9	625.5	625.5	625.5	630.3	634.9	639.7	639.7
172.5°	625.5	625.5	625.5	625.5	630.3	625.5	625.5	630.3	634.9	634.9	634.9
175°	630.3	630.3	630.3	630.3	630.3	625.5	625.5	630.3	630.3	634.9	634.9
177.5°	630.3	630.3	630.3	630.3	634.9	625.5	625.5	630.3	630.3	634.9	634.9
180°	630.3	630.3	630.3	630.3	630.3	630.3	630.3	630.3	630.3	630.3	630.3



TEST NUMBER: P844803

CATALOG NUMBER: SQ4P-125U-0D-B40-1D-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°	23.5	23.5
95°	70.5	65.8
97.5°	235.2	207.0
100°	653.7	597.3
102.5°	1114.7	1072.4
105°	1458.1	1439.3



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CANDELA DISTRIBUTION (continued):

	80°	90°
112.5°	1735.6	1773.2
115°	1655.5	1697.9
117.5°	1538.0	1589.7
120°	1434.5	1481.6
122.5°	1331.1	1373.4
125°	1237.0	1279.4
127.5°	1157.1	1194.7
130°	1091.2	1124.1
132.5°	1039.4	1063.0
135°	987.7	1011.2
137.5°	945.4	968.9
140°	903.1	921.9
142.5°	860.7	879.5
145°	823.1	837.2
147.5°	790.2	799.6
150°	757.2	766.6
152.5°	733.8	738.4
155°	710.2	710.2
157.5°	691.4	691.4
160°	672.6	677.3
162.5°	663.1	663.1
165°	653.7	653.7
167.5°	644.3	644.3
170°	639.7	639.7
172.5°	639.7	634.9
175°	634.9	630.3
177.5°	634.9	630.3
180°	630.3	630.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	174.0	192.8	211.6	230.4	315.1	602.1	832.5	1095.9	1514.5	1655.5	1669.7
110°	197.5	221.0	239.8	254.0	329.2	569.1	766.6	1001.8	1434.5	1641.5	1679.1





107.5°	1683.8	1674.4
110°	1759.0	1777.8



(END OF REPORT)