

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: SHAPER

Report Number: P702421

Luminaire Tested: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CQ

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702421  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

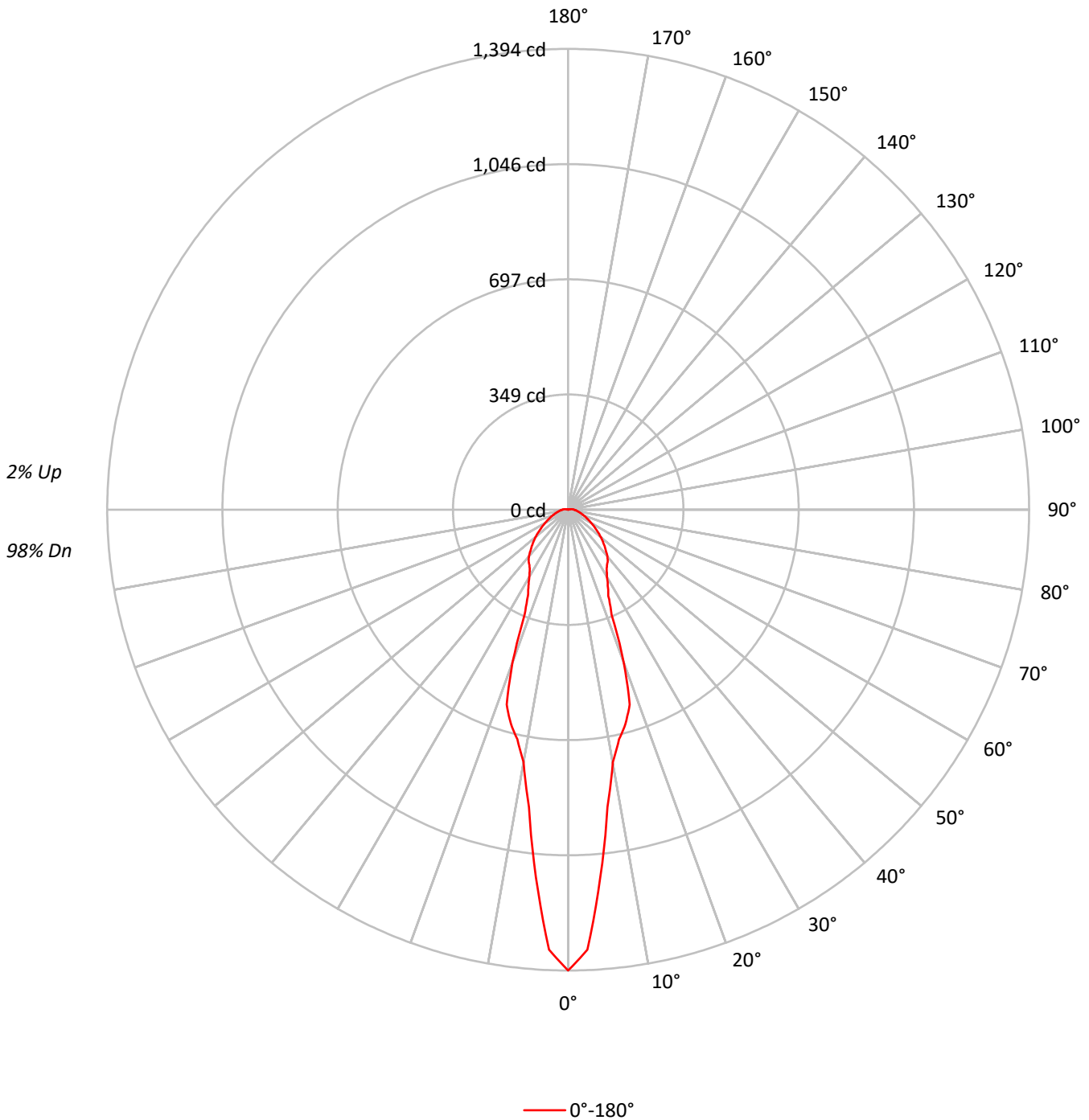
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 911.4 lumens  
Efficiency: N/A  
Efficacy: 57.7 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct  
  
Input Watts (W): 15.8  
Input Voltage (V): 120  
Input Current (Ain): 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: 24 FT

TEST NUMBER: P702421

CATALOG NUMBER: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CQ

### Luminous Intensity Polar Plot



TEST NUMBER: P702421

CATALOG NUMBER: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CQ

**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	0
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	110	105	102	98	107	103	100	97	98	96	93		94	92	90		90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81		85	82	78		82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71		78	73	70		75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63		72	67	62		69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57		66	61	57		64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48		58	52	48		56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45		54	48	44		53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42		51	45	41		50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39		48	43	39		47	42	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	90939
5°	65327
10°	41448
15°	33181
20°	22830
25°	12655
30°	9921
35°	8334
40°	7322
45°	6071
50°	4984
55°	3947
60°	3146
65°	2475
70°	1969
75°	1589
80°	1285
85°	1059

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6071 cd/sqm

TEST NUMBER: P702421

CATALOG NUMBER: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CQ

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.4	10.5
10°-20°	183.1	20.1
20°-30°	142.1	15.6
30°-40°	129.3	14.2
40°-50°	119.9	13.2
50°-60°	92.3	10.1
60°-70°	63.2	6.9
70°-80°	41.0	4.5
80°-90°	25.5	2.8
90°-100°	14.8	1.6
100°-110°	4.7	0.5
110°-120°	0.1	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	420.6	46.1
0°-40°	549.8	60.3
0°-60°	762.0	83.6
0°-90°	891.7	97.8
90°-120°	19.6	2.2
90°-150°	19.6	2.2
90°-180°	20.0	2.2
0°-180°	911.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1394	
5°	1116	95
15°	670	183
25°	287	142
35°	204	129
45°	155	120
55°	102	92
65°	63	63
75°	38	41
85°	23	20
90°	17	10
95°	14	10
105°	4	5
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0

TEST NUMBER: P702421

CATALOG NUMBER: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CQ

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1393.9
2.5°	1332.2
5°	1116.2
7.5°	907.6
10°	775.7
12.5°	710.8
15°	670.3
17.5°	618.2
20°	491.6
22.5°	343.7
25°	287.3
27.5°	259.6
30°	235.1
32.5°	216.0
35°	204.3
37.5°	196.8
40°	184.1
42.5°	169.2
45°	155.3
47.5°	141.5
50°	128.7
52.5°	114.9
55°	102.1
57.5°	91.5
60°	80.9
62.5°	71.3
65°	62.8
67.5°	56.4
70°	48.9
72.5°	43.6
75°	38.3
77.5°	34.0
80°	29.8
82.5°	26.6
85°	23.4
87.5°	20.2
90°	17.0
92.5°	16.0
95°	13.8
97.5°	11.7
100°	8.5
102.5°	6.4
105°	4.3
107.5°	2.1
110°	1.1

TEST NUMBER: P702421

CATALOG NUMBER: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-CQ

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)