

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: P701960

Luminaire Tested: 340-4C-15-D010 / 340-EU4C-1020-9727-4LBW1LI-FF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P701960  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-4C-15-D010 / 340-EU4C-1020-9727-4LBW1LI-FF  
Description: FARALLON 4" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: 2700K CCT, 97 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

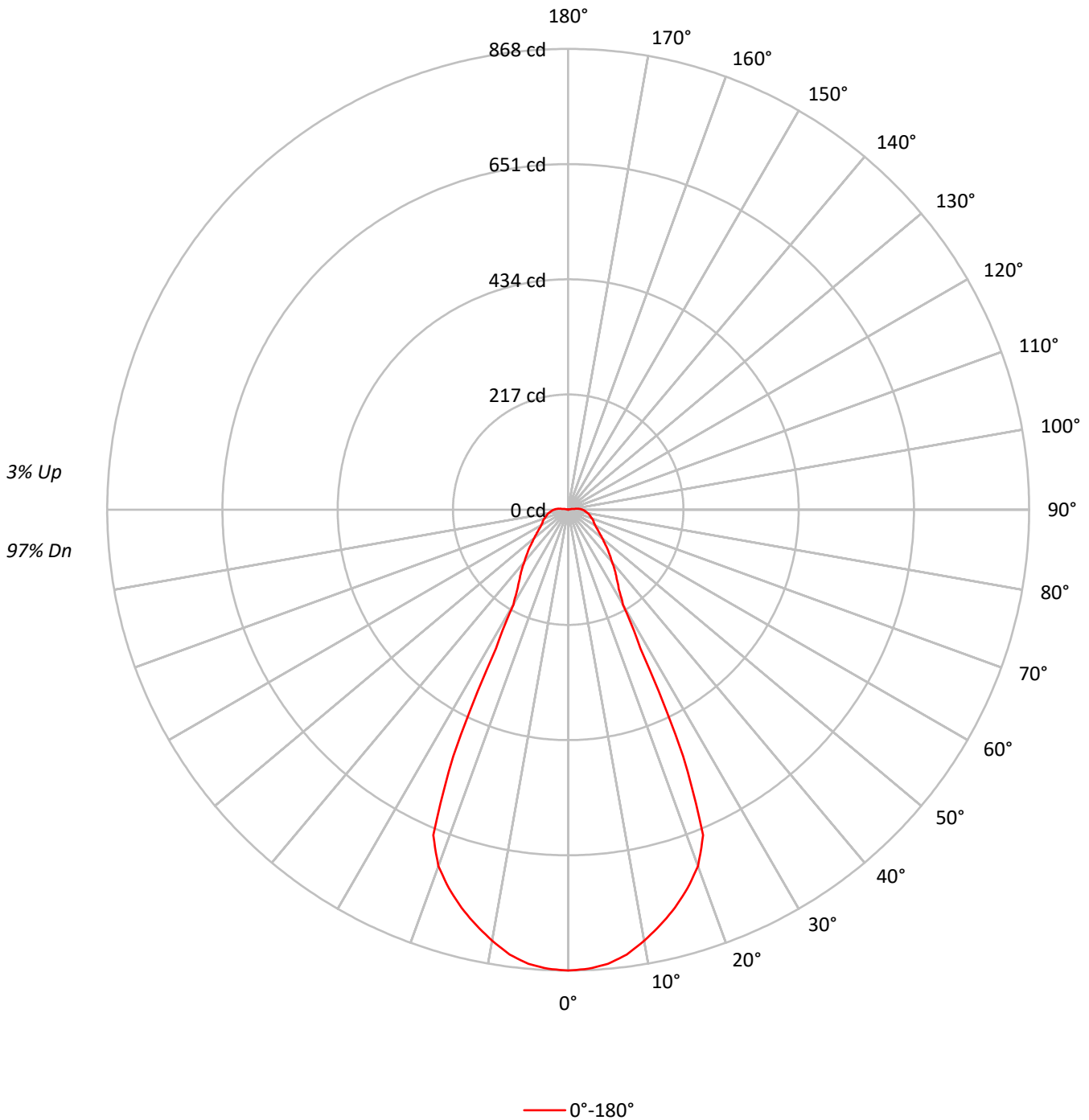
Lumens per Lamp: N/A  
Luminaire Lumens: 913.9 lumens  
Efficiency: N/A  
Efficacy: 57.8 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.73  
Luminous Opening: Vertical Cylinder (Dia: 0.34' x H: 0.46')  
CIE Type: Direct

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: P701960

CATALOG NUMBER: 340-4C-15-D010 / 340-EU4C-1020-9727-4LBW1LI-FF

### Luminous Intensity Polar Plot



TEST NUMBER: P701960

CATALOG NUMBER: 340-4C-15-D010 / 340-EU4C-1020-9727-4LBW1LI-FF

**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	118	118	118	118	115	115	115	115	110	110	110		104	104	104		100	100	100	97
1	109	105	102	98	107	103	99	96	98	95	93		94	92	90		90	88	86	84
2	102	95	89	85	99	93	88	83	89	85	81		86	82	79		82	80	77	75
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76	73	69	67
4	89	80	73	67	87	78	72	67	76	70	65		73	68	64		71	67	63	61
5	84	74	66	61	82	73	66	61	70	64	60		68	63	59		66	62	58	56
6	79	69	61	56	78	68	61	56	66	60	55		64	59	55		62	58	54	52
7	75	64	57	52	73	63	56	52	62	56	51		60	55	51		59	54	50	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		55	51	47	45
9	68	57	50	45	66	56	50	45	55	49	45		54	48	44		53	48	44	43
10	64	53	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	100662
5°	87047
10°	74715
15°	64061
20°	54493
25°	36607
30°	13960
35°	10312
40°	8018
45°	6342
50°	4996
55°	4063
60°	3444
65°	3117
70°	2814
75°	2590
80°	2376
85°	2094

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6342 cd/sqm

TEST NUMBER: P701960

CATALOG NUMBER: 340-4C-15-D010 / 340-EU4C-1020-9727-4LBW1LI-FF

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.9	8.8
10°-20°	217.7	23.8
20°-30°	215.4	23.6
30°-40°	101.0	11.1
40°-50°	80.7	8.8
50°-60°	62.3	6.8
60°-70°	52.3	5.7
70°-80°	44.8	4.9
80°-90°	35.0	3.8
90°-100°	20.2	2.2
100°-110°	3.7	0.4
110°-120°	0.0	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°	513.9	56.2
0°-40°	615.0	67.3
0°-60°	757.9	82.9
0°-90°	890.0	97.4
90°-120°	23.9	2.6
90°-150°	23.9	2.6
90°-180°	24.0	2.6
0°-180°	913.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	868	
5°	859	81
15°	776	218
25°	512	215
35°	159	101
45°	104	81
55°	69	62
65°	53	52
75°	42	45
85°	32	27
90°	26	15
95°	20	13
105°	2	4
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

TEST NUMBER: P701960

CATALOG NUMBER: 340-4C-15-D010 / 340-EU4C-1020-9727-4LBW1LI-FF

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	867.9
2.5°	865.6
5°	858.7
7.5°	845.0
10°	824.3
12.5°	801.4
15°	776.2
17.5°	747.5
20°	714.3
22.5°	663.8
25°	512.5
27.5°	294.6
30°	206.4
32.5°	177.7
35°	159.4
37.5°	144.5
40°	128.4
42.5°	115.8
45°	104.3
47.5°	92.9
50°	83.7
52.5°	75.7
55°	68.8
57.5°	63.1
60°	58.5
62.5°	55.0
65°	52.7
67.5°	50.4
70°	47.0
72.5°	44.7
75°	42.4
77.5°	40.1
80°	37.8
82.5°	34.4
85°	32.1
87.5°	29.8
90°	26.4
92.5°	24.1
95°	19.5
97.5°	12.6
100°	9.2
102.5°	5.7
105°	2.3
107.5°	1.1
110°	0.0

TEST NUMBER: P701960

CATALOG NUMBER: 340-4C-15-D010 / 340-EU4C-1020-9727-4LBW1LI-FF

**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)