

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: P702398

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9050-4LBW1LI-CC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702398  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-10-D010 / 340-EU4C-1020-9050-4LBW1LI-CC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.  
Light Source: 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

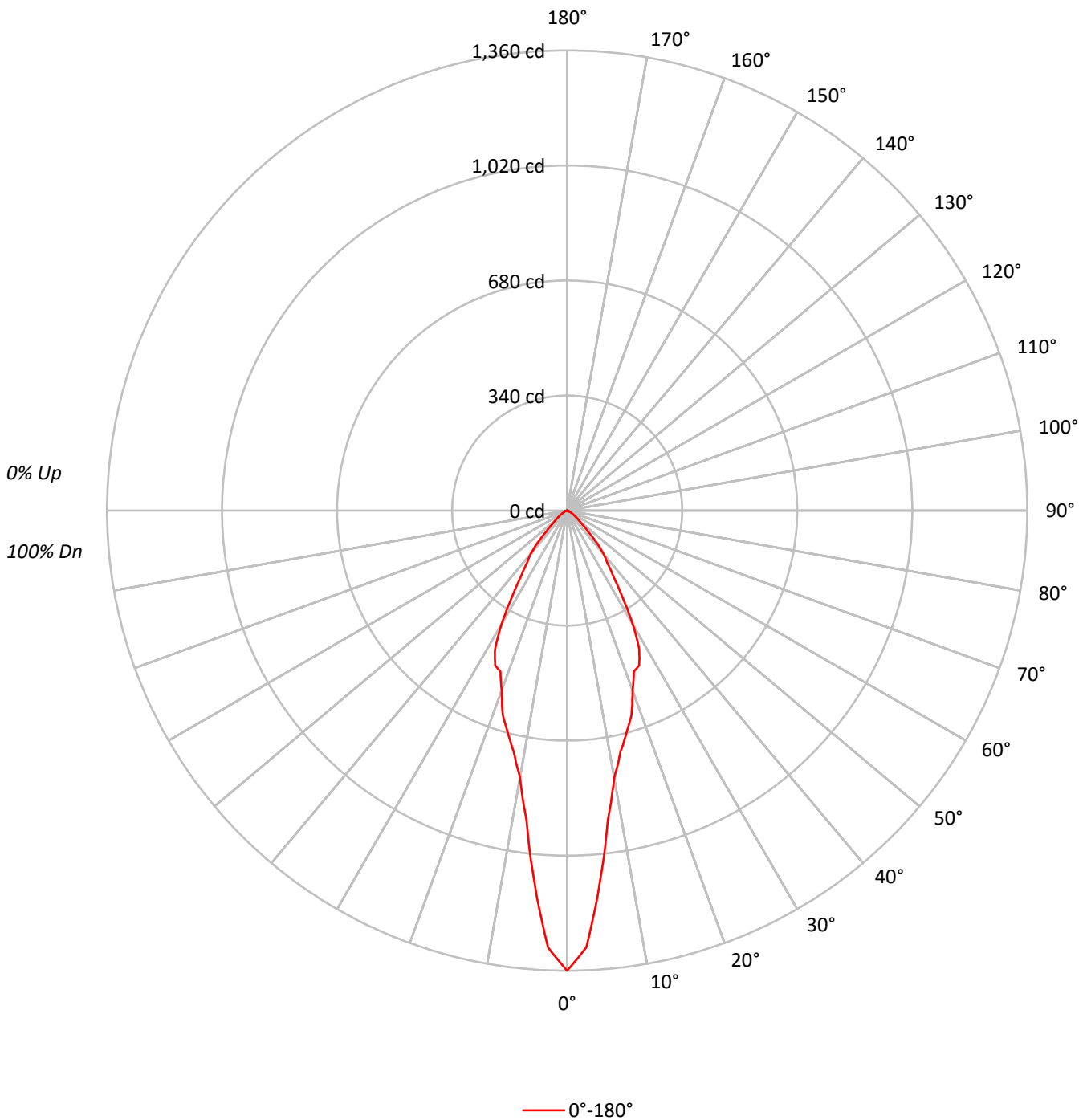
Lumens per Lamp: N/A  
Luminaire Lumens: 781.1 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.71  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
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

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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76		83	79	75		81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	71	66	85	76	70	66	74	69	65		73	68	65		72	68	64	63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	61		68	63	60	59
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64	60	56	55
9	74	64	58	54	73	63	58	54	62	57	53		61	57	53		61	56	53	52
10	70	60	54	50	69	60	54	50	59	54	50		58	53	50		58	53	50	49

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

	0°
0°	88708
5°	72432
10°	53077
15°	45834
20°	39247
25°	36280
30°	29244
35°	18987
40°	14359
45°	8009
50°	4669
55°	3094
60°	2114
65°	1312
70°	1145
75°	857
80°	639
85°	674

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8009 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.6	12.2
10°-20°	189.9	24.3
20°-30°	224.5	28.7
30°-40°	157.1	20.1
40°-50°	73.3	9.4
50°-60°	25.4	3.3
60°-70°	9.7	1.2
70°-80°	3.9	0.5
80°-90°	1.0	0.1
90°-100°	0.6	0.1
100°-110°	0.4	0.0
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°	510.0	65.3
0°-40°	667.1	85.4
0°-60°	765.8	98.0
0°-90°	780.4	99.9
90°-120°	1.0	0.1
90°-150°	1.0	0.1
90°-180°	1.0	0.1
0°-180°	781.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1360	
5°	1106	96
15°	679	190
25°	504	224
35°	238	157
45°	87	73
55°	27	25
65°	8	10
75°	3	4
85°	1	1
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1359.7
2.5°	1292.4
5°	1106.0
7.5°	922.1
10°	801.2
12.5°	729.7
15°	678.6
17.5°	632.6
20°	565.3
22.5°	515.1
25°	504.0
27.5°	461.5
30°	388.2
32.5°	305.7
35°	238.4
37.5°	195.0
40°	168.6
42.5°	131.1
45°	86.8
47.5°	60.5
50°	46.0
52.5°	34.9
55°	27.2
57.5°	21.3
60°	16.2
62.5°	11.9
65°	8.5
67.5°	7.7
70°	6.0
72.5°	5.1
75°	3.4
77.5°	2.6
80°	1.7
82.5°	0.9
85°	0.9
87.5°	0.9
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.9
100°	0.9
102.5°	0.9
105°	0.0
107.5°	0.0
110°	0.0

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**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)