

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: P702265

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9030-4LBW1LI-CC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702265  
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-05-D010 / 340-EU4C-1020-9030-4LBW1LI-CC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

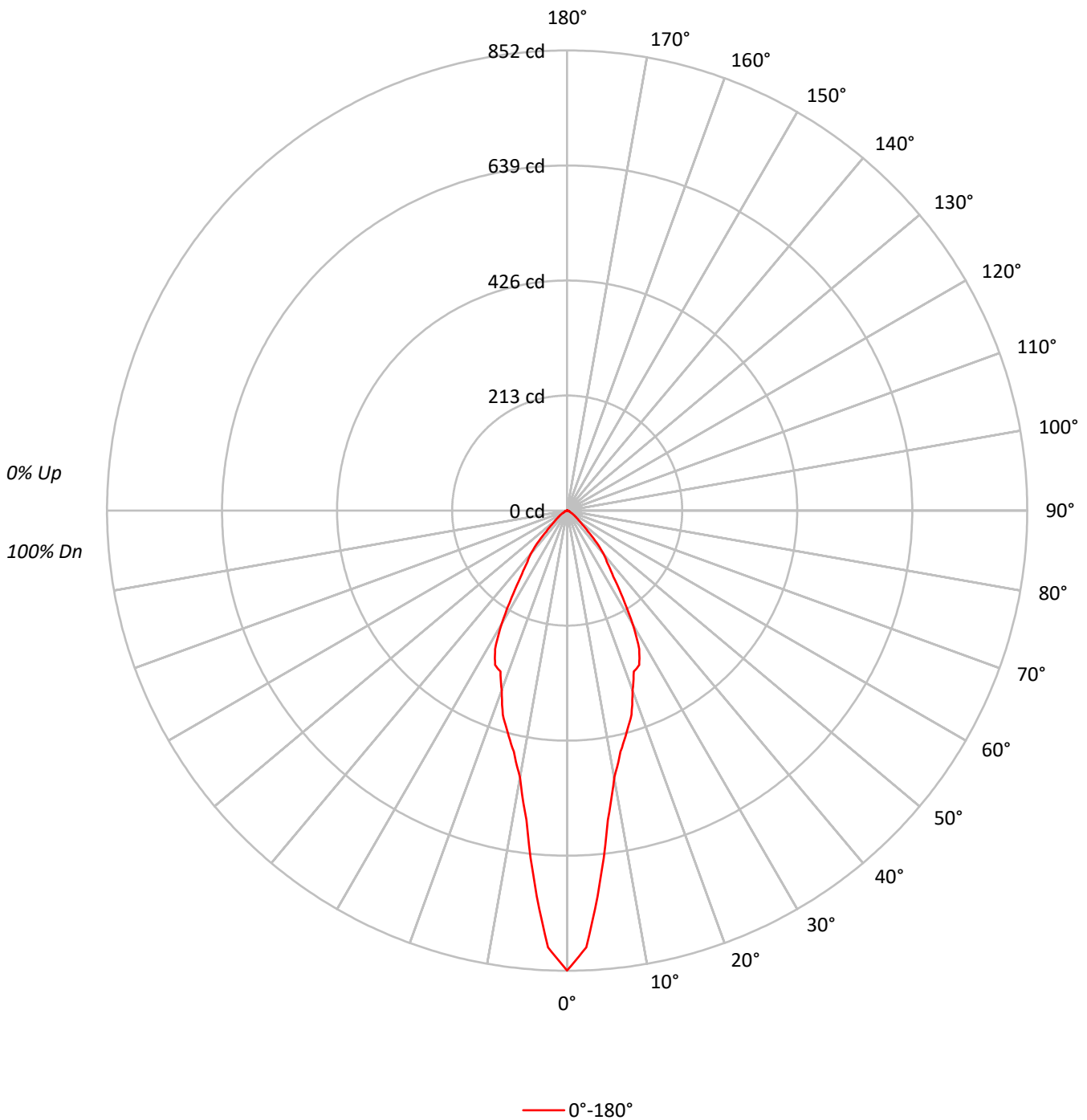
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 489.1 lumens  
Efficiency: N/A  
Efficacy: 67.9 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): 7.2  
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		62	57	53		61	56	53	52
10	70	60	54	50	69	60	54	50	59	54	50		58	54	50		58	53	50	49

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

	0°
0°	55559
5°	45365
10°	33243
15°	28705
20°	24584
25°	22726
30°	18321
35°	11891
40°	8993
45°	5019
50°	2923
55°	1945
60°	1318
65°	818
70°	706
75°	529
80°	413
85°	374

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5019 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.9	12.2
10°-20°	118.9	24.3
20°-30°	140.6	28.7
30°-40°	98.4	20.1
40°-50°	45.9	9.4
50°-60°	15.9	3.3
60°-70°	6.0	1.2
70°-80°	2.4	0.5
80°-90°	0.6	0.1
90°-100°	0.3	0.1
100°-110°	0.2	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°	319.4	65.3
0°-40°	417.8	85.4
0°-60°	479.6	98.1
0°-90°	488.7	99.9
90°-120°	0.5	0.1
90°-150°	0.5	0.1
90°-180°	1.0	0.2
0°-180°	489.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	852	
5°	693	60
15°	425	119
25°	316	141
35°	149	98
45°	54	46
55°	17	16
65°	5	6
75°	2	2
85°	0	0
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°	851.6
2.5°	809.5
5°	692.7
7.5°	577.5
10°	501.8
12.5°	457.0
15°	425.0
17.5°	396.2
20°	354.1
22.5°	322.6
25°	315.7
27.5°	289.0
30°	243.2
32.5°	191.4
35°	149.3
37.5°	122.1
40°	105.6
42.5°	82.1
45°	54.4
47.5°	37.9
50°	28.8
52.5°	21.9
55°	17.1
57.5°	13.3
60°	10.1
62.5°	7.5
65°	5.3
67.5°	4.8
70°	3.7
72.5°	3.2
75°	2.1
77.5°	1.6
80°	1.1
82.5°	0.5
85°	0.5
87.5°	0.5
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.5
100°	0.5
102.5°	0.5
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)