

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: P702664

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9035-4LBW1LI-CC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702664  
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-35-D010 / 340-EU4C-3040-9035-4LBW1LI-CC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

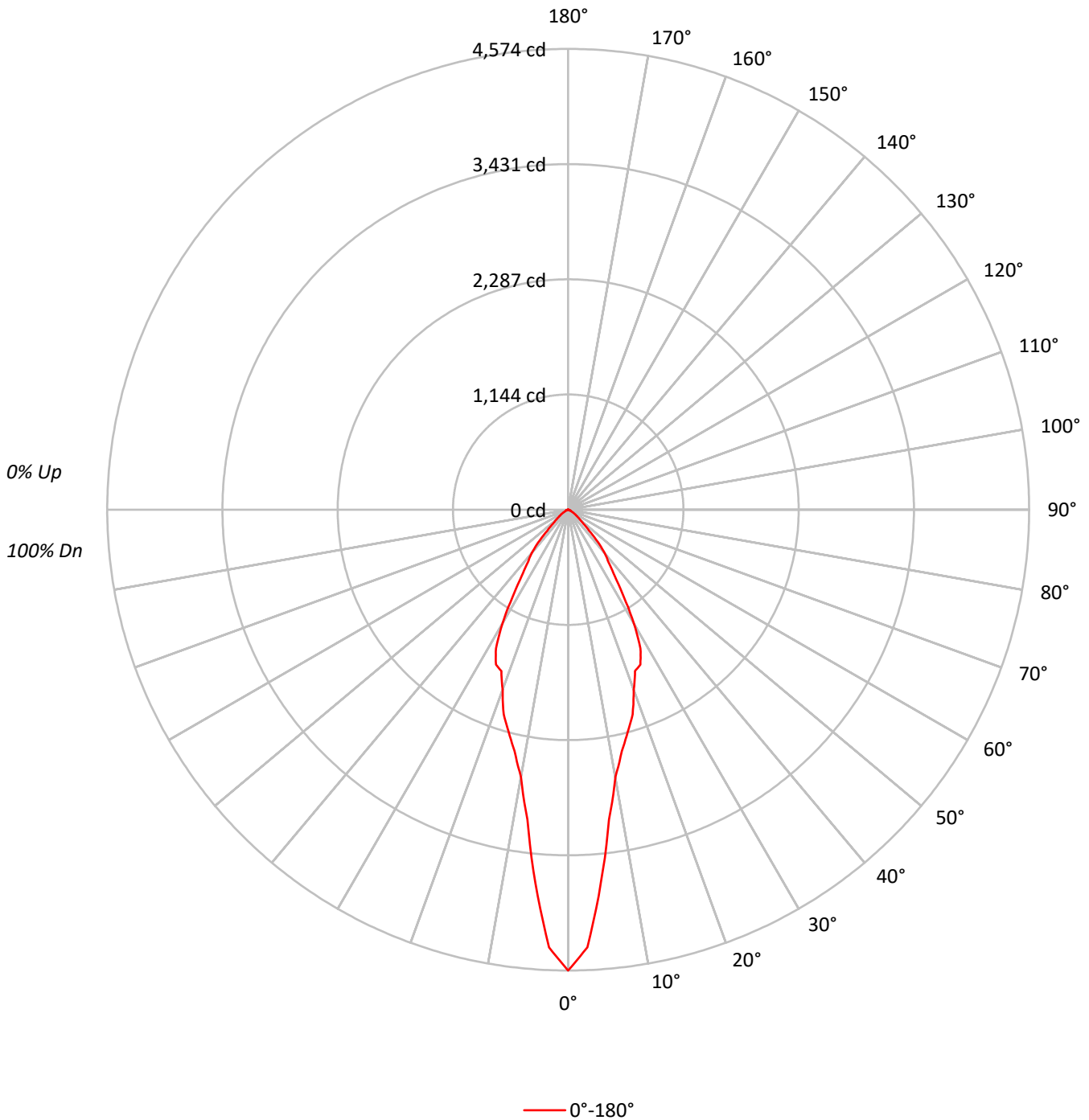
Lumens per Lamp: N/A  
Luminaire Lumens: 2627.5 lumens  
Efficiency: N/A  
Efficacy: 65.0 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.71  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

Input Watts (W): 40.4  
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	53	50		58	53	50	49

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

	0°
0°	298424
5°	243668
10°	178556
15°	154185
20°	132044
25°	122058
30°	98393
35°	63875
40°	48297
45°	26960
50°	15701
55°	10430
60°	7098
65°	4415
70°	3815
75°	2899
80°	2142
85°	2171

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 26960 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.7	12.2
10°-20°	638.8	24.3
20°-30°	755.2	28.7
30°-40°	528.5	20.1
40°-50°	246.6	9.4
50°-60°	85.6	3.3
60°-70°	32.5	1.2
70°-80°	13.2	0.5
80°-90°	3.1	0.1
90°-100°	2.0	0.1
100°-110°	1.2	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°	1715.7	65.3
0°-40°	2244.1	85.4
0°-60°	2576.3	98.1
0°-90°	2625.1	99.9
90°-120°	3.1	0.1
90°-150°	3.1	0.1
90°-180°	3.0	0.1
0°-180°	2627.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4574	
5°	3721	322
15°	2283	639
25°	1696	755
35°	802	528
45°	292	247
55°	92	86
65°	29	32
75°	12	13
85°	3	3
90°	0	0
95°	0	1
105°	0	1
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°	4574.2
2.5°	4347.9
5°	3720.7
7.5°	3102.0
10°	2695.3
12.5°	2454.7
15°	2282.8
17.5°	2128.1
20°	1901.9
22.5°	1732.9
25°	1695.6
27.5°	1552.4
30°	1306.1
32.5°	1028.3
35°	802.0
37.5°	655.9
40°	567.1
42.5°	441.1
45°	292.2
47.5°	203.4
50°	154.7
52.5°	117.4
55°	91.7
57.5°	71.6
60°	54.4
62.5°	40.1
65°	28.6
67.5°	25.8
70°	20.0
72.5°	17.2
75°	11.5
77.5°	8.6
80°	5.7
82.5°	2.9
85°	2.9
87.5°	2.9
90°	0.0
92.5°	0.0
95°	0.0
97.5°	2.9
100°	2.9
102.5°	2.9
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)