

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: P702670

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

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)  
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-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

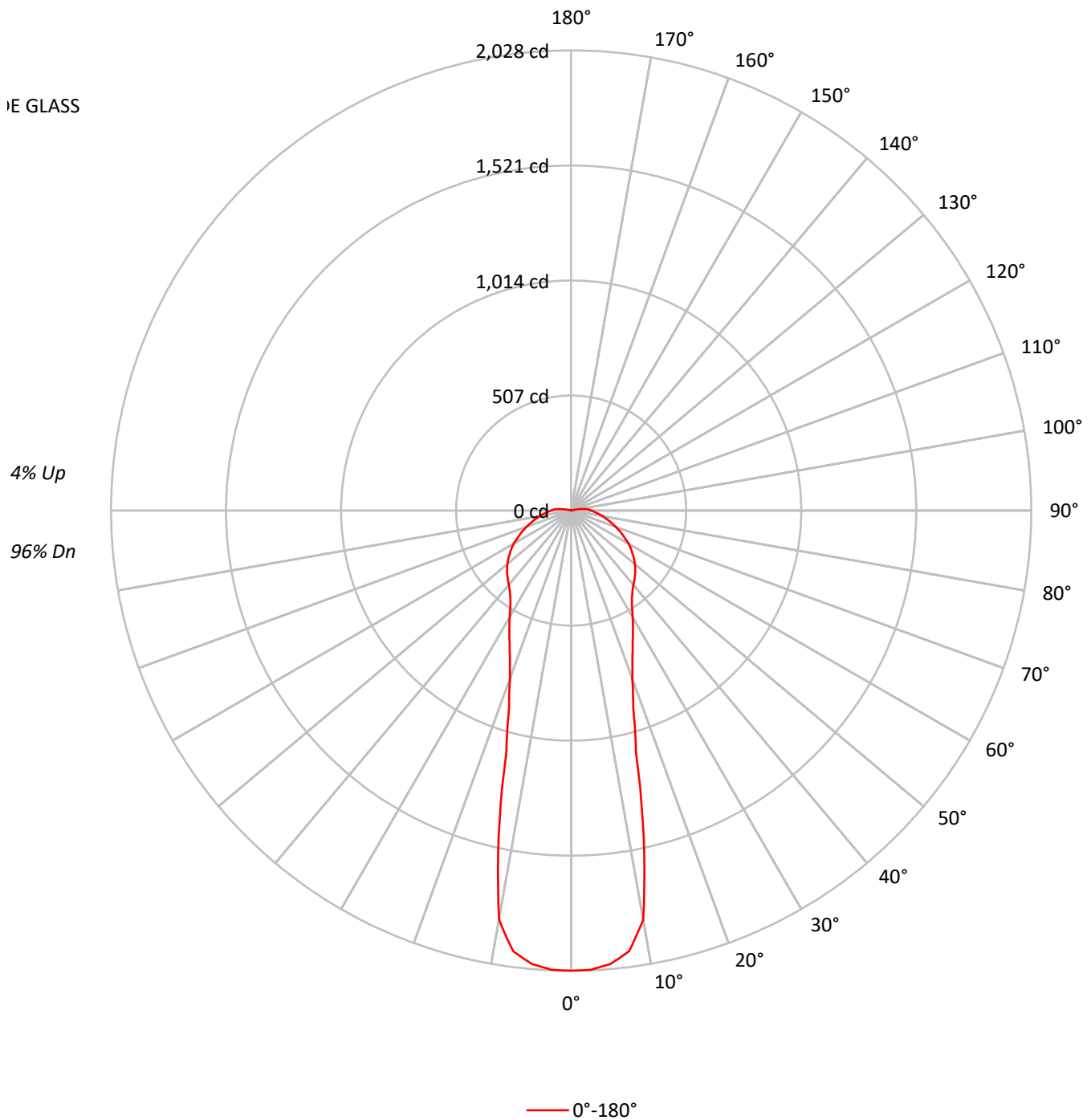
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2347.4 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
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	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88		90	87	84		85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73		79	75	71		76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62		71	65	61		68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54		64	58	53		61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48		58	52	47		56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43		54	47	43		52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39		50	43	39		48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36		46	40	36		45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33		43	37	33		42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31		41	35	31		40	34	30	29

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

	0°
0°	132301
5°	117344
10°	97799
15°	54730
20°	36580
25°	28262
30°	22846
35°	19047
40°	16976
45°	15563
50°	14197
55°	12734
60°	11362
65°	9822
70°	8421
75°	7132
80°	6054
85°	5054

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15563 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.4	7.9
10°-20°	324.6	13.8
20°-30°	297.7	12.7
30°-40°	296.0	12.6
40°-50°	307.4	13.1
50°-60°	295.5	12.6
60°-70°	247.2	10.5
70°-80°	182.3	7.8
80°-90°	123.4	5.3
90°-100°	71.6	3.0
100°-110°	14.9	0.6
110°-120°	0.4	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°	808.7	34.5
0°-40°	1104.7	47.1
0°-60°	1707.6	72.7
0°-90°	2260.5	96.3
90°-120°	86.8	3.7
90°-150°	86.8	3.7
90°-180°	87.0	3.7
0°-180°	2347.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2028	
5°	2005	186
15°	1106	325
25°	642	298
35°	467	296
45°	398	307
55°	329	296
65°	249	247
75°	172	182
85°	112	97
90°	89	49
95°	69	48
105°	12	15
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°	2027.9
2.5°	2025.1
5°	2005.0
7.5°	1959.2
10°	1830.3
12.5°	1478.0
15°	1105.6
17.5°	908.0
20°	787.7
22.5°	704.6
25°	641.6
27.5°	590.0
30°	541.4
32.5°	498.4
35°	466.9
37.5°	444.0
40°	426.8
42.5°	412.5
45°	398.1
47.5°	383.8
50°	366.6
52.5°	349.4
55°	329.4
57.5°	312.2
60°	292.2
62.5°	269.2
65°	249.2
67.5°	229.1
70°	209.1
72.5°	189.0
75°	171.9
77.5°	154.7
80°	140.4
82.5°	126.0
85°	111.7
87.5°	100.3
90°	88.8
92.5°	80.2
95°	68.7
97.5°	51.6
100°	34.4
102.5°	20.1
105°	11.5
107.5°	5.7
110°	2.9

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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)