

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: P702558

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9035-4LBW1LI-GFF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702558  
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-25-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**

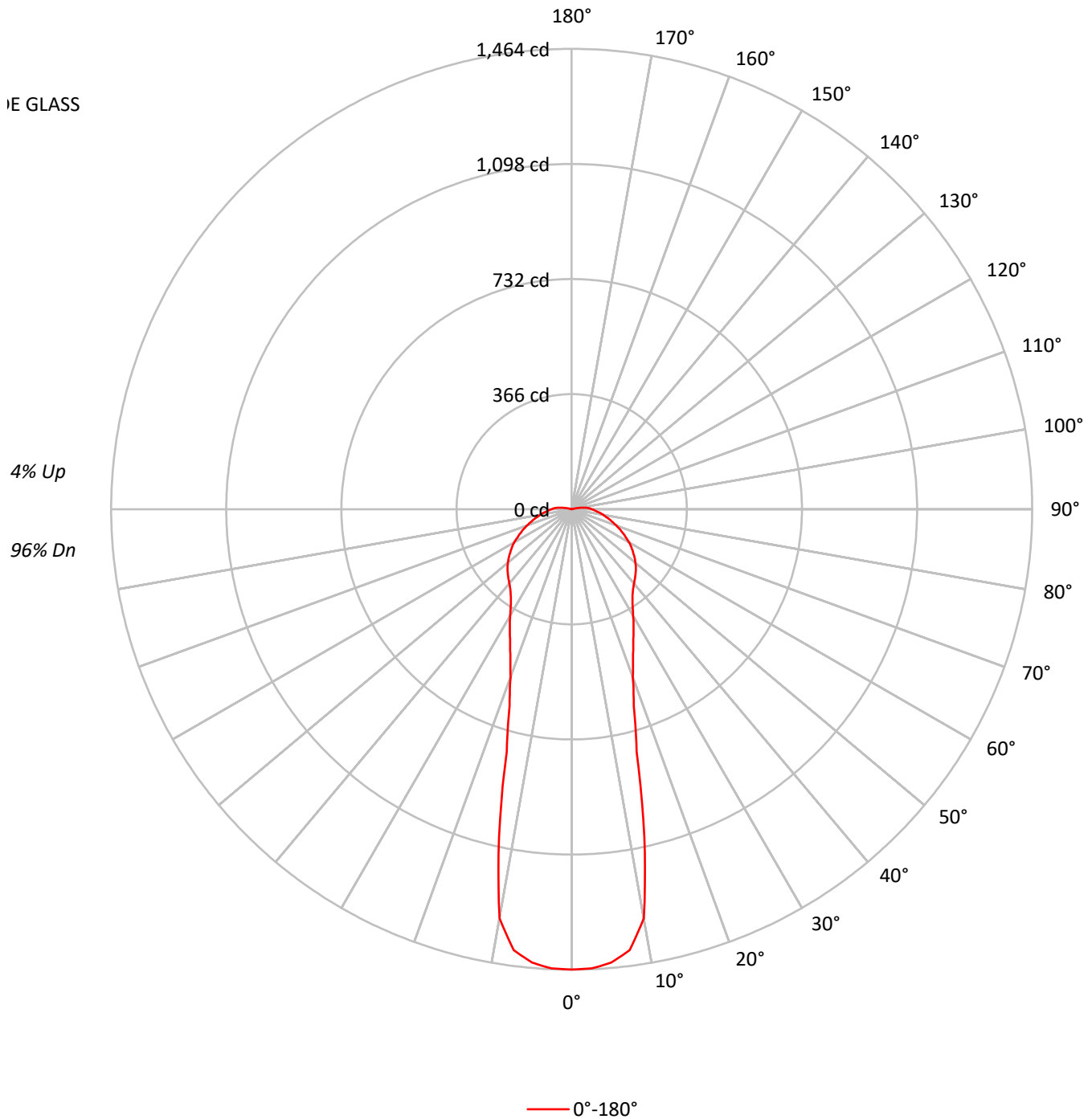
Lumens per Lamp: N/A  
Luminaire Lumens: 1694.0 lumens  
Efficiency: N/A  
Efficacy: 53.8 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 31.5  
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°	95486
5°	84687
10°	70580
15°	39498
20°	26401
25°	20395
30°	16487
35°	13744
40°	12251
45°	11232
50°	10247
55°	9189
60°	8201
65°	7087
70°	6077
75°	5144
80°	4368
85°	3647

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11232 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.5	7.9
10°-20°	234.2	13.8
20°-30°	214.8	12.7
30°-40°	213.6	12.6
40°-50°	221.9	13.1
50°-60°	213.3	12.6
60°-70°	178.4	10.5
70°-80°	131.5	7.8
80°-90°	89.1	5.3
90°-100°	51.6	3.0
100°-110°	10.8	0.6
110°-120°	0.3	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°	583.6	34.5
0°-40°	797.2	47.1
0°-60°	1232.4	72.7
0°-90°	1631.4	96.3
90°-120°	62.7	3.7
90°-150°	62.7	3.7
90°-180°	63.0	3.7
0°-180°	1694.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1464	
5°	1447	135
15°	798	234
25°	463	215
35°	337	214
45°	287	222
55°	238	213
65°	180	178
75°	124	132
85°	81	70
90°	64	35
95°	50	35
105°	8	11
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°	1463.6
2.5°	1461.5
5°	1447.0
7.5°	1413.9
10°	1320.9
12.5°	1066.7
15°	797.9
17.5°	655.3
20°	568.5
22.5°	508.5
25°	463.0
27.5°	425.8
30°	390.7
32.5°	359.7
35°	336.9
37.5°	320.4
40°	308.0
42.5°	297.7
45°	287.3
47.5°	277.0
50°	264.6
52.5°	252.2
55°	237.7
57.5°	225.3
60°	210.9
62.5°	194.3
65°	179.8
67.5°	165.4
70°	150.9
72.5°	136.4
75°	124.0
77.5°	111.6
80°	101.3
82.5°	91.0
85°	80.6
87.5°	72.4
90°	64.1
92.5°	57.9
95°	49.6
97.5°	37.2
100°	24.8
102.5°	14.5
105°	8.3
107.5°	4.1
110°	2.1

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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)