

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: P702569

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9050-4LBW1LI-FF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702569  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-25-D010 / 340-EU4C-3040-9050-4LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

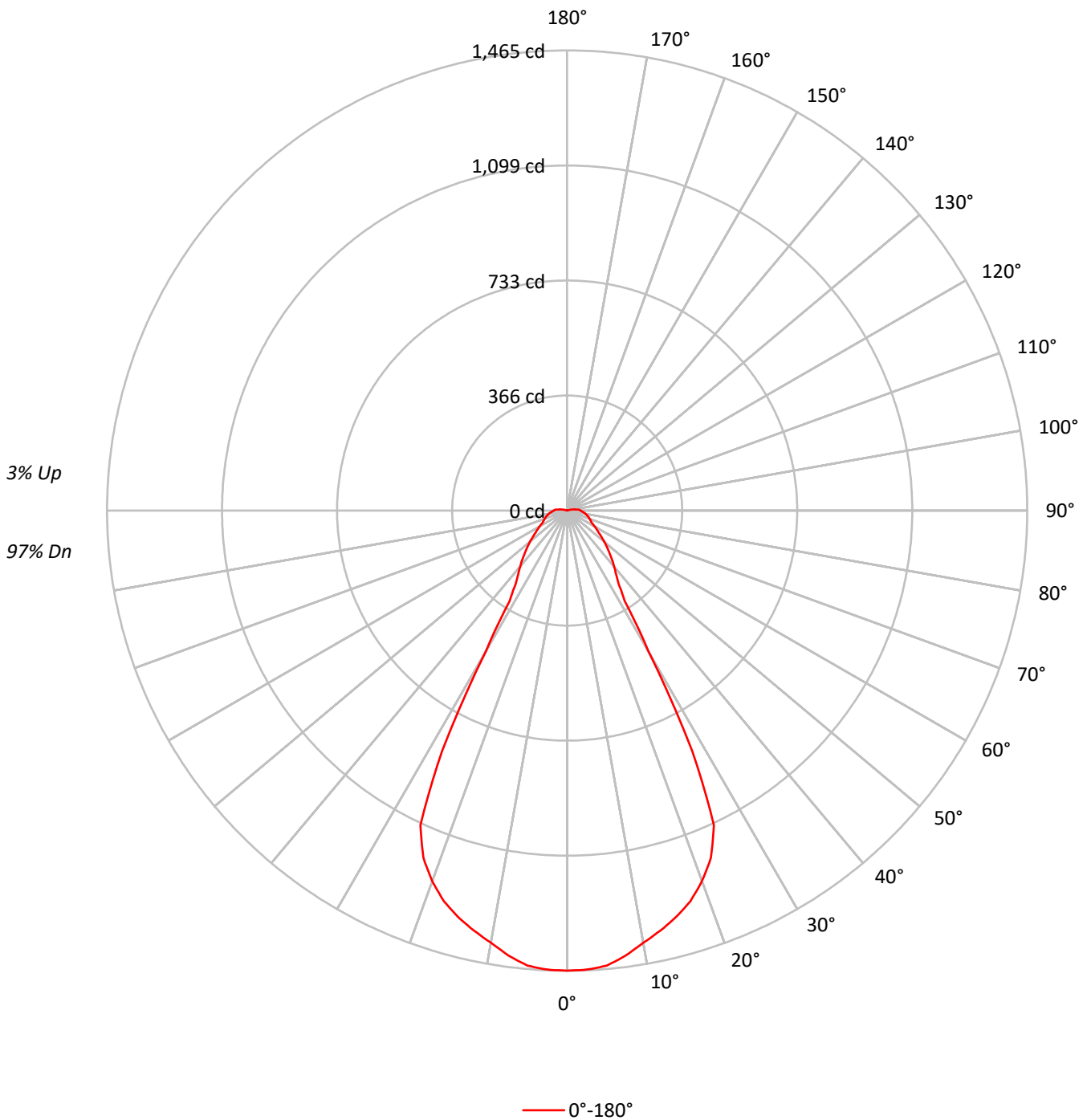
Lumens per Lamp: N/A  
Luminaire Lumens: 1687.0 lumens  
Efficiency: N/A  
Efficacy: 53.6 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

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	110	110	110		104	104	104		99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93		94	92	90		90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82		86	83	80		83	80	78	76
3	96	87	81	76	93	86	80	75	83	77	73		80	75	72		77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66		74	69	65		71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56		64	59	55		63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52		60	55	51		59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48		57	52	48		56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45		54	48	45		53	48	44	43
10	64	53	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	95564
5°	85108
10°	74657
15°	66338
20°	58305
25°	48696
30°	21854
35°	11643
40°	9248
45°	7436
50°	5976
55°	4739
60°	3947
65°	3331
70°	3065
75°	2805
80°	2553
85°	2294

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7436 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.9	8.1
10°-20°	376.5	22.3
20°-30°	459.2	27.2
30°-40°	194.4	11.5
40°-50°	147.5	8.7
50°-60°	111.7	6.6
60°-70°	85.3	5.1
70°-80°	71.5	4.2
80°-90°	55.3	3.3
90°-100°	36.9	2.2
100°-110°	11.0	0.7
110°-120°	0.8	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°	972.5	57.6
0°-40°	1166.9	69.2
0°-60°	1426.1	84.5
0°-90°	1638.3	97.1
90°-120°	48.7	2.9
90°-150°	48.7	2.9
90°-180°	49.0	2.9
0°-180°	1687.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1465	
5°	1454	137
15°	1340	376
25°	1106	459
35°	285	194
45°	190	148
55°	123	112
65°	84	85
75°	68	71
85°	51	43
90°	42	23
95°	36	26
105°	8	11
115°	0	1
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°	1464.8
2.5°	1462.7
5°	1454.2
7.5°	1428.9
10°	1397.2
12.5°	1369.7
15°	1340.1
17.5°	1304.2
20°	1255.5
22.5°	1196.4
25°	1105.5
27.5°	862.4
30°	517.9
32.5°	340.3
35°	285.4
37.5°	255.8
40°	232.5
42.5°	211.4
45°	190.2
47.5°	171.2
50°	154.3
52.5°	137.4
55°	122.6
57.5°	112.0
60°	101.5
62.5°	90.9
65°	84.5
67.5°	80.3
70°	76.1
72.5°	71.9
75°	67.6
77.5°	63.4
80°	59.2
82.5°	55.0
85°	50.7
87.5°	46.5
90°	42.3
92.5°	40.2
95°	35.9
97.5°	27.5
100°	21.1
102.5°	14.8
105°	8.5
107.5°	6.3
110°	2.1

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	2.1
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)