

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: P702597

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9027-4LBW1LI-FF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702597  
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-30-D010 / 340-EU4C-3040-9027-4LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

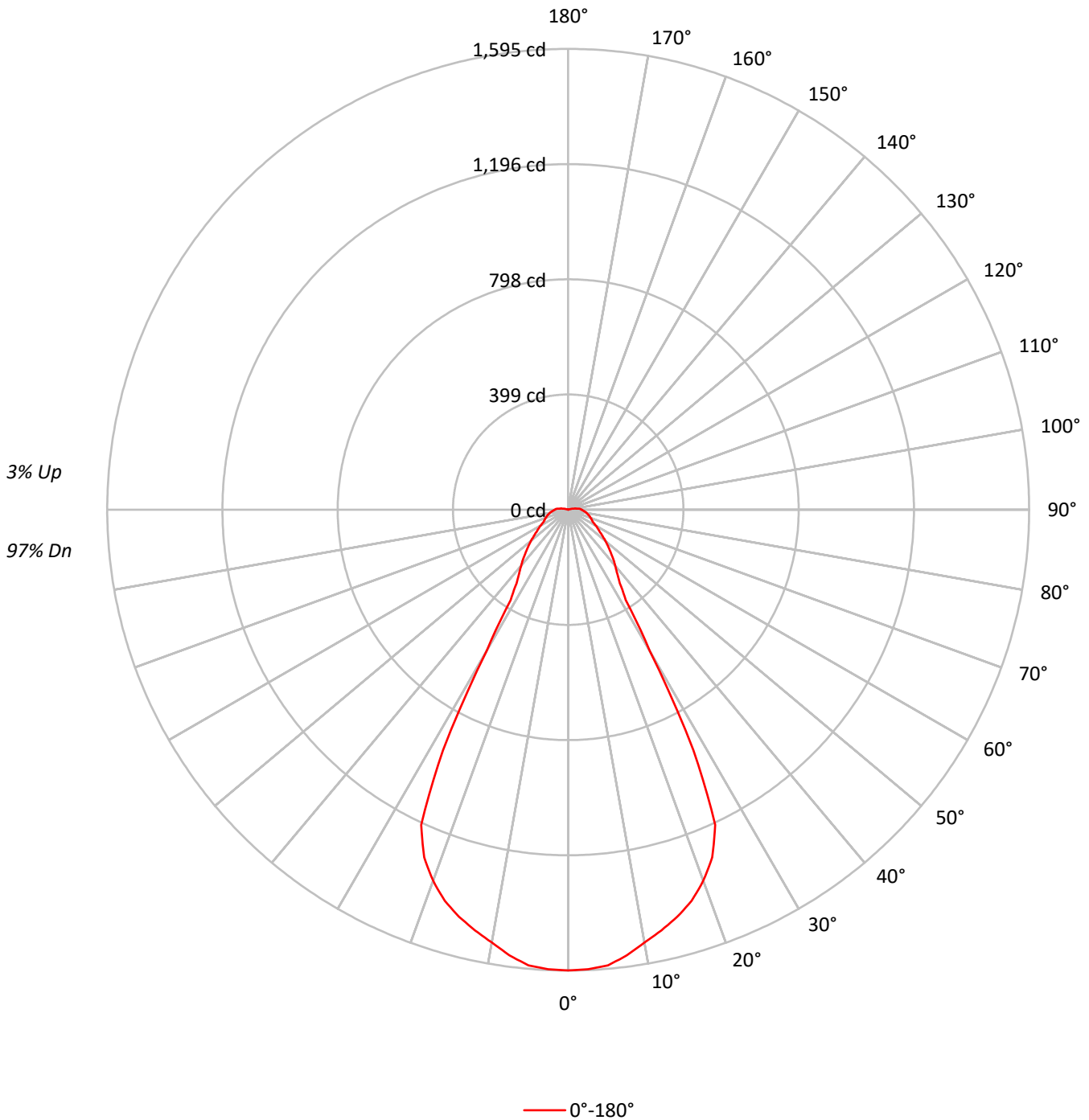
Lumens per Lamp: N/A  
Luminaire Lumens: 1836.3 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 31.6  
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	54	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

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

	0°
0°	104033
5°	92646
10°	81266
15°	72214
20°	63473
25°	53009
30°	23787
35°	12671
40°	10067
45°	8096
50°	6506
55°	5161
60°	4293
65°	3626
70°	3334
75°	3053
80°	2777
85°	2497

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8096 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.0	8.1
10°-20°	409.8	22.3
20°-30°	499.8	27.2
30°-40°	211.6	11.5
40°-50°	160.6	8.7
50°-60°	121.6	6.6
60°-70°	92.9	5.1
70°-80°	77.8	4.2
80°-90°	60.2	3.3
90°-100°	40.2	2.2
100°-110°	11.9	0.7
110°-120°	0.9	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°	1058.6	57.7
0°-40°	1270.3	69.2
0°-60°	1552.4	84.5
0°-90°	1783.3	97.1
90°-120°	53.0	2.9
90°-150°	53.0	2.9
90°-180°	53.0	2.9
0°-180°	1836.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1595	
5°	1583	149
15°	1459	410
25°	1203	500
35°	311	212
45°	207	161
55°	134	122
65°	92	93
75°	74	78
85°	55	47
90°	46	26
95°	39	28
105°	9	12
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°	1594.6
2.5°	1592.3
5°	1583.0
7.5°	1555.4
10°	1520.9
12.5°	1491.0
15°	1458.8
17.5°	1419.7
20°	1366.8
22.5°	1302.3
25°	1203.4
27.5°	938.8
30°	563.7
32.5°	370.5
35°	310.6
37.5°	278.4
40°	253.1
42.5°	230.1
45°	207.1
47.5°	186.4
50°	168.0
52.5°	149.6
55°	133.5
57.5°	121.9
60°	110.4
62.5°	98.9
65°	92.0
67.5°	87.4
70°	82.8
72.5°	78.2
75°	73.6
77.5°	69.0
80°	64.4
82.5°	59.8
85°	55.2
87.5°	50.6
90°	46.0
92.5°	43.7
95°	39.1
97.5°	29.9
100°	23.0
102.5°	16.1
105°	9.2
107.5°	6.9
110°	2.3

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	2.3
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)