

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: P702583

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9730-4LBW1LI-FF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702583  
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-3040-9730-4LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: 3000K CCT, 97 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

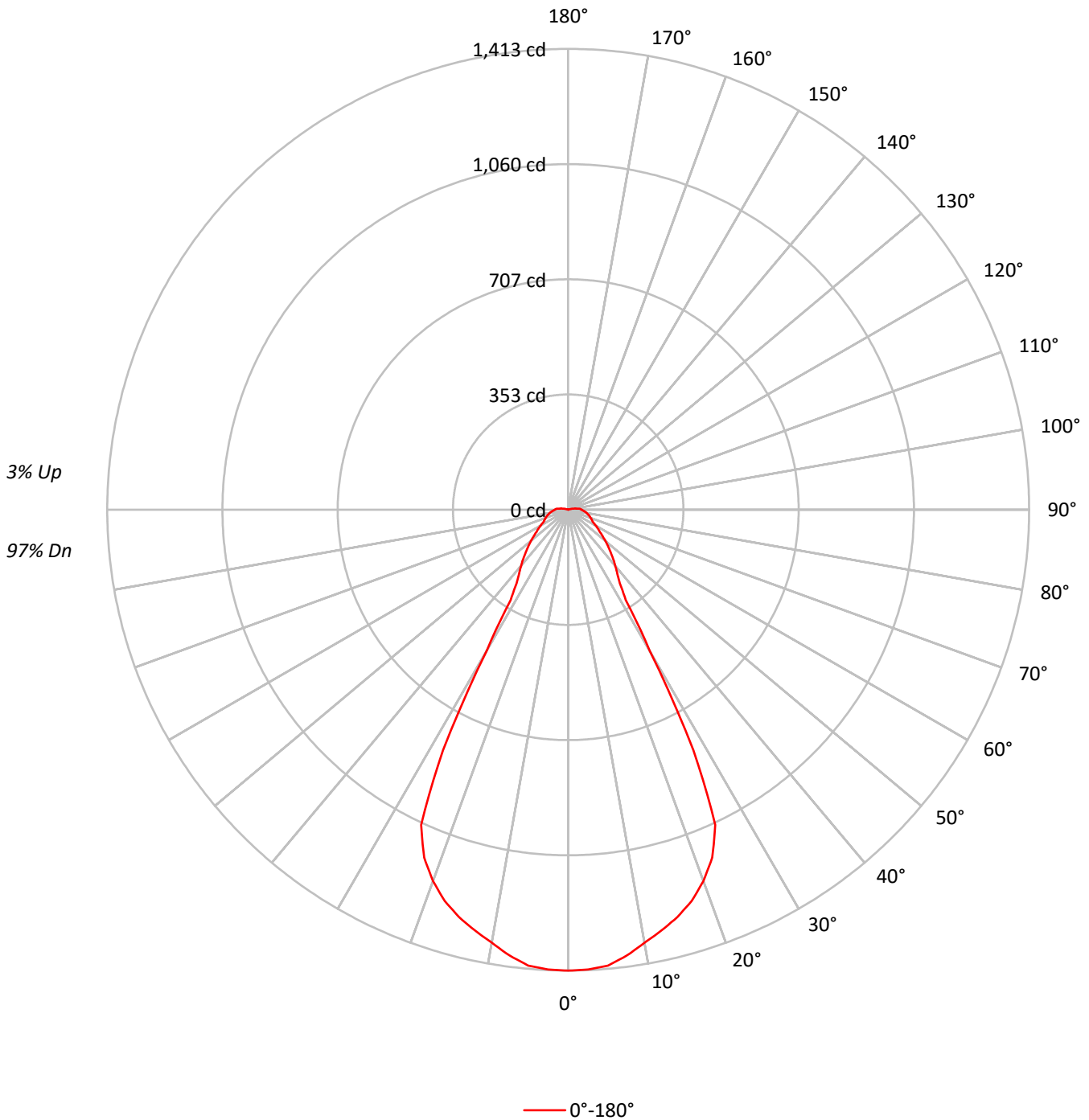
Lumens per Lamp: N/A  
Luminaire Lumens: 1627.6 lumens  
Efficiency: N/A  
Efficacy: 51.7 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

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	82	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°	92198
5°	82112
10°	72028
15°	64001
20°	56252
25°	46978
30°	21082
35°	11231
40°	8921
45°	7174
50°	5766
55°	4573
60°	3807
65°	3216
70°	2956
75°	2709
80°	2462
85°	2212

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7174 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.0	8.1
10°-20°	363.2	22.3
20°-30°	443.0	27.2
30°-40°	187.6	11.5
40°-50°	142.3	8.7
50°-60°	107.8	6.6
60°-70°	82.4	5.1
70°-80°	69.0	4.2
80°-90°	53.4	3.3
90°-100°	35.6	2.2
100°-110°	10.6	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°	938.2	57.6
0°-40°	1125.8	69.2
0°-60°	1375.9	84.5
0°-90°	1580.6	97.1
90°-120°	47.0	2.9
90°-150°	47.0	2.9
90°-180°	47.0	2.9
0°-180°	1627.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1413	
5°	1403	132
15°	1293	363
25°	1066	443
35°	275	188
45°	184	142
55°	118	108
65°	82	82
75°	65	69
85°	49	42
90°	41	23
95°	35	25
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°	1413.2
2.5°	1411.2
5°	1403.0
7.5°	1378.6
10°	1348.0
12.5°	1321.5
15°	1292.9
17.5°	1258.2
20°	1211.3
22.5°	1154.2
25°	1066.5
27.5°	832.0
30°	499.6
32.5°	328.3
35°	275.3
37.5°	246.8
40°	224.3
42.5°	203.9
45°	183.5
47.5°	165.2
50°	148.9
52.5°	132.6
55°	118.3
57.5°	108.1
60°	97.9
62.5°	87.7
65°	81.6
67.5°	77.5
70°	73.4
72.5°	69.3
75°	65.3
77.5°	61.2
80°	57.1
82.5°	53.0
85°	48.9
87.5°	44.9
90°	40.8
92.5°	38.7
95°	34.7
97.5°	26.5
100°	20.4
102.5°	14.3
105°	8.2
107.5°	6.1
110°	2.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	2.0
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)