

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: P702702

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9024-4LBW1LI-FF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702702  
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-40-D010 / 340-EU4C-3040-9024-4LBW1LI-FF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.  
Light Source: 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

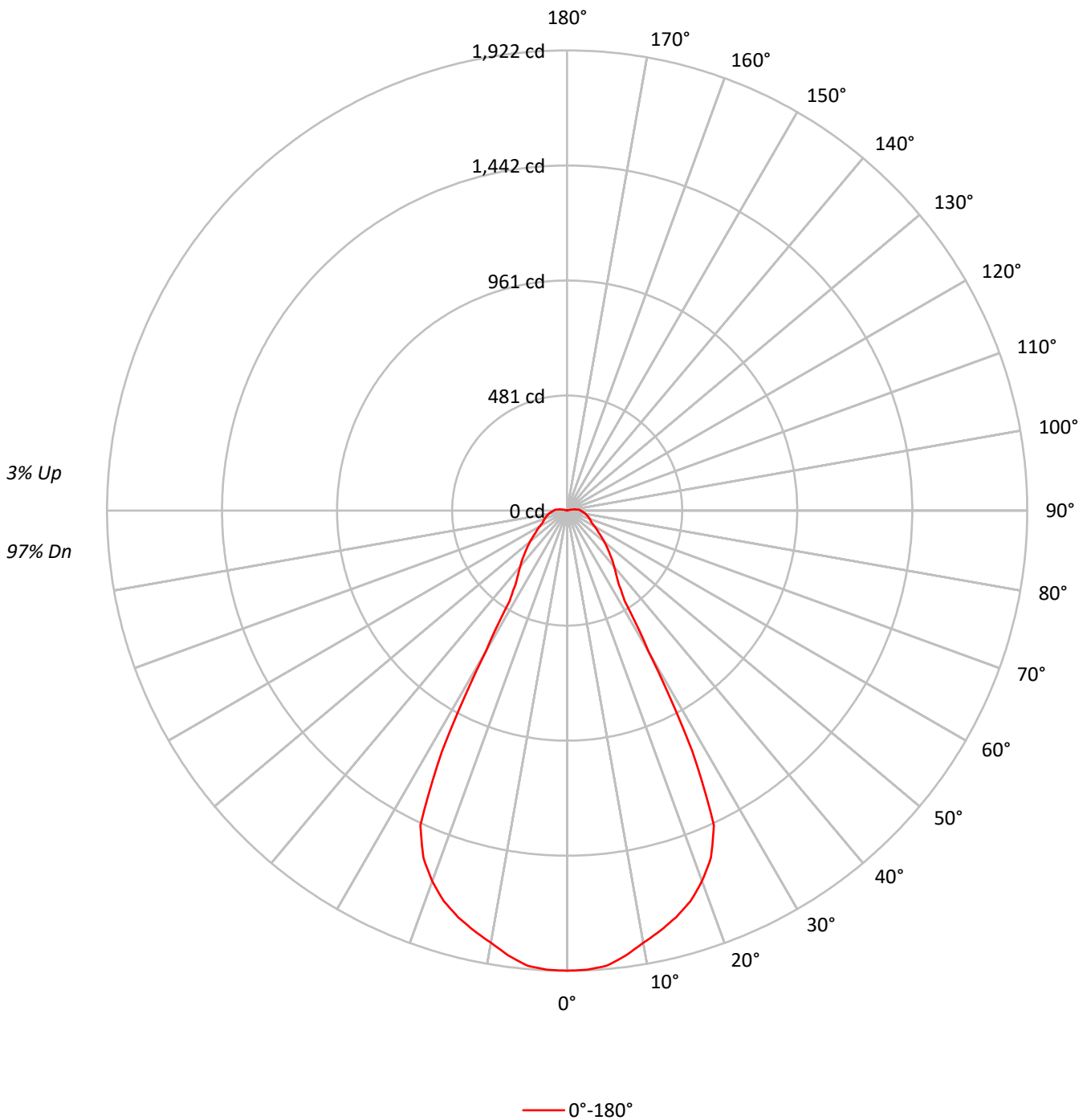
Lumens per Lamp: N/A  
Luminaire Lumens: 2213.3 lumens  
Efficiency: N/A  
Efficacy: 47.1 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 47  
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°	125379
5°	111667
10°	97948
15°	87035
20°	76499
25°	63889
30°	28669
35°	15274
40°	12135
45°	9758
50°	7838
55°	6216
60°	5175
65°	4371
70°	4019
75°	3680
80°	3346
85°	3013

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9758 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.6	8.1
10°-20°	493.9	22.3
20°-30°	602.4	27.2
30°-40°	255.1	11.5
40°-50°	193.5	8.7
50°-60°	146.5	6.6
60°-70°	112.0	5.1
70°-80°	93.8	4.2
80°-90°	72.6	3.3
90°-100°	48.5	2.2
100°-110°	14.4	0.6
110°-120°	1.1	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°	1275.9	57.6
0°-40°	1531.0	69.2
0°-60°	1871.0	84.5
0°-90°	2149.4	97.1
90°-120°	63.9	2.9
90°-150°	63.9	2.9
90°-180°	64.0	2.9
0°-180°	2213.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1922	
5°	1908	180
15°	1758	494
25°	1450	602
35°	374	255
45°	250	194
55°	161	147
65°	111	112
75°	89	94
85°	67	57
90°	56	31
95°	47	34
105°	11	14
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°	1921.8
2.5°	1919.1
5°	1908.0
7.5°	1874.7
10°	1833.1
12.5°	1797.0
15°	1758.2
17.5°	1711.1
20°	1647.3
22.5°	1569.6
25°	1450.4
27.5°	1131.5
30°	679.4
32.5°	446.5
35°	374.4
37.5°	335.6
40°	305.1
42.5°	277.3
45°	249.6
47.5°	224.6
50°	202.4
52.5°	180.3
55°	160.8
57.5°	147.0
60°	133.1
62.5°	119.2
65°	110.9
67.5°	105.4
70°	99.8
72.5°	94.3
75°	88.7
77.5°	83.2
80°	77.6
82.5°	72.1
85°	66.6
87.5°	61.0
90°	55.5
92.5°	52.7
95°	47.1
97.5°	36.1
100°	27.7
102.5°	19.4
105°	11.1
107.5°	8.3
110°	2.8

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	2.8
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)