

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: P702646

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9024-4LBW1LI-FF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702646  
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-35-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

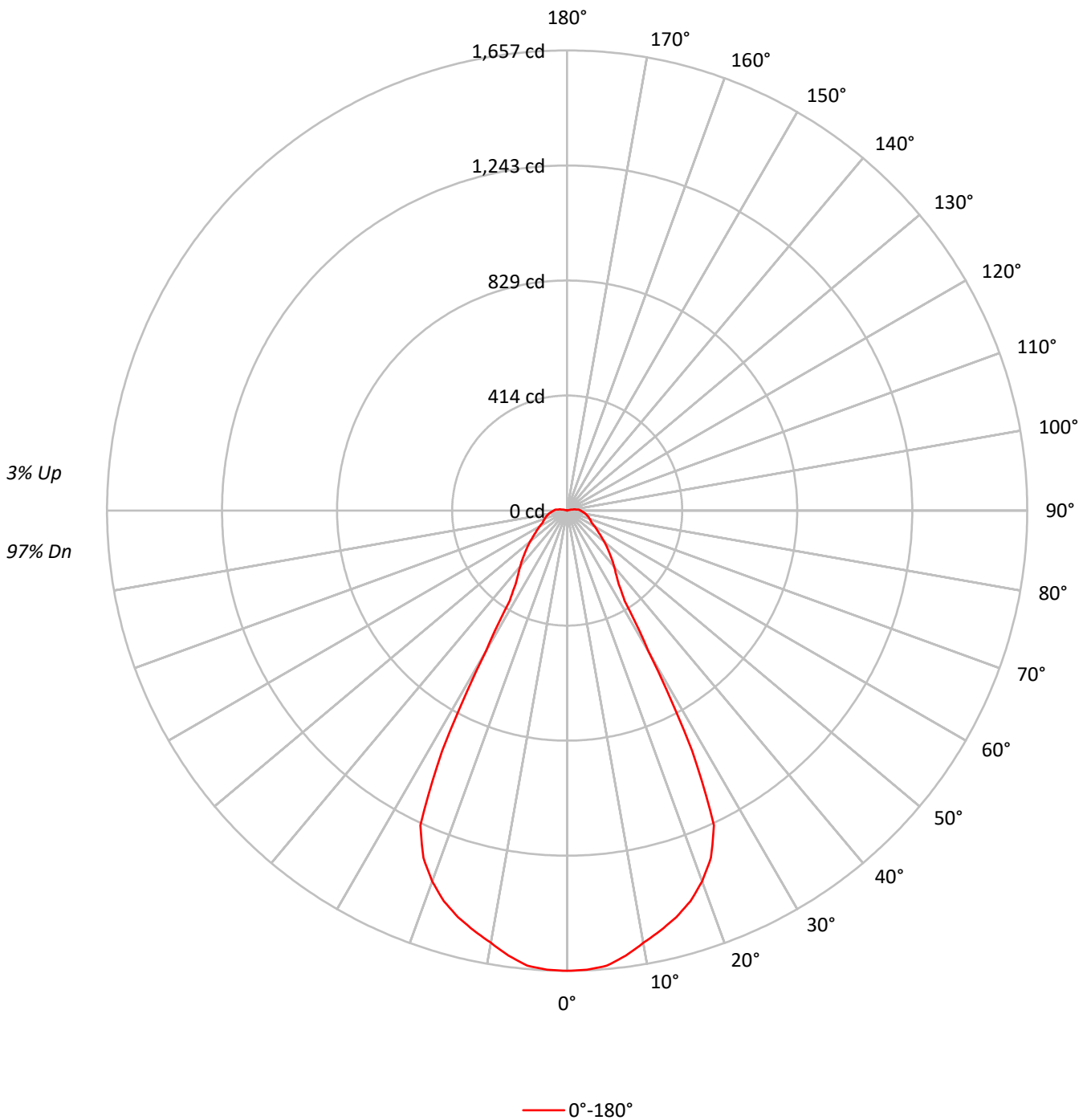
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1908.4 lumens  
Efficiency: N/A  
Efficacy: 47.2 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): 40.4  
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°	108110
5°	96281
10°	84456
15°	75045
20°	65962
25°	55088
30°	24720
35°	13169
40°	10461
45°	8413
50°	6762
55°	5362
60°	4464
65°	3768
70°	3467
75°	3174
80°	2889
85°	2597

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8413 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.8	8.1
10°-20°	425.9	22.3
20°-30°	519.4	27.2
30°-40°	219.9	11.5
40°-50°	166.9	8.7
50°-60°	126.3	6.6
60°-70°	96.5	5.1
70°-80°	80.9	4.2
80°-90°	62.6	3.3
90°-100°	41.8	2.2
100°-110°	12.4	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°	1100.2	57.6
0°-40°	1320.1	69.2
0°-60°	1613.3	84.5
0°-90°	1853.3	97.1
90°-120°	55.1	2.9
90°-150°	55.1	2.9
90°-180°	55.0	2.9
0°-180°	1908.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1657	
5°	1645	155
15°	1516	426
25°	1251	519
35°	323	220
45°	215	167
55°	139	126
65°	96	97
75°	76	81
85°	57	49
90°	48	27
95°	41	29
105°	10	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°	1657.1
2.5°	1654.7
5°	1645.1
7.5°	1616.4
10°	1580.6
12.5°	1549.5
15°	1516.0
17.5°	1475.4
20°	1420.4
22.5°	1353.4
25°	1250.6
27.5°	975.6
30°	585.8
32.5°	385.0
35°	322.8
37.5°	289.3
40°	263.0
42.5°	239.1
45°	215.2
47.5°	193.7
50°	174.6
52.5°	155.4
55°	138.7
57.5°	126.7
60°	114.8
62.5°	102.8
65°	95.6
67.5°	90.9
70°	86.1
72.5°	81.3
75°	76.5
77.5°	71.7
80°	67.0
82.5°	62.2
85°	57.4
87.5°	52.6
90°	47.8
92.5°	45.4
95°	40.7
97.5°	31.1
100°	23.9
102.5°	16.7
105°	9.6
107.5°	7.2
110°	2.4

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	2.4
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)