

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: P702536

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9024-4LBW1LI-GFC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702536  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-25-D010 / 340-EU4C-3040-9024-4LBW1LI-GFC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C  
KIT.  
Light Source: 2400K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

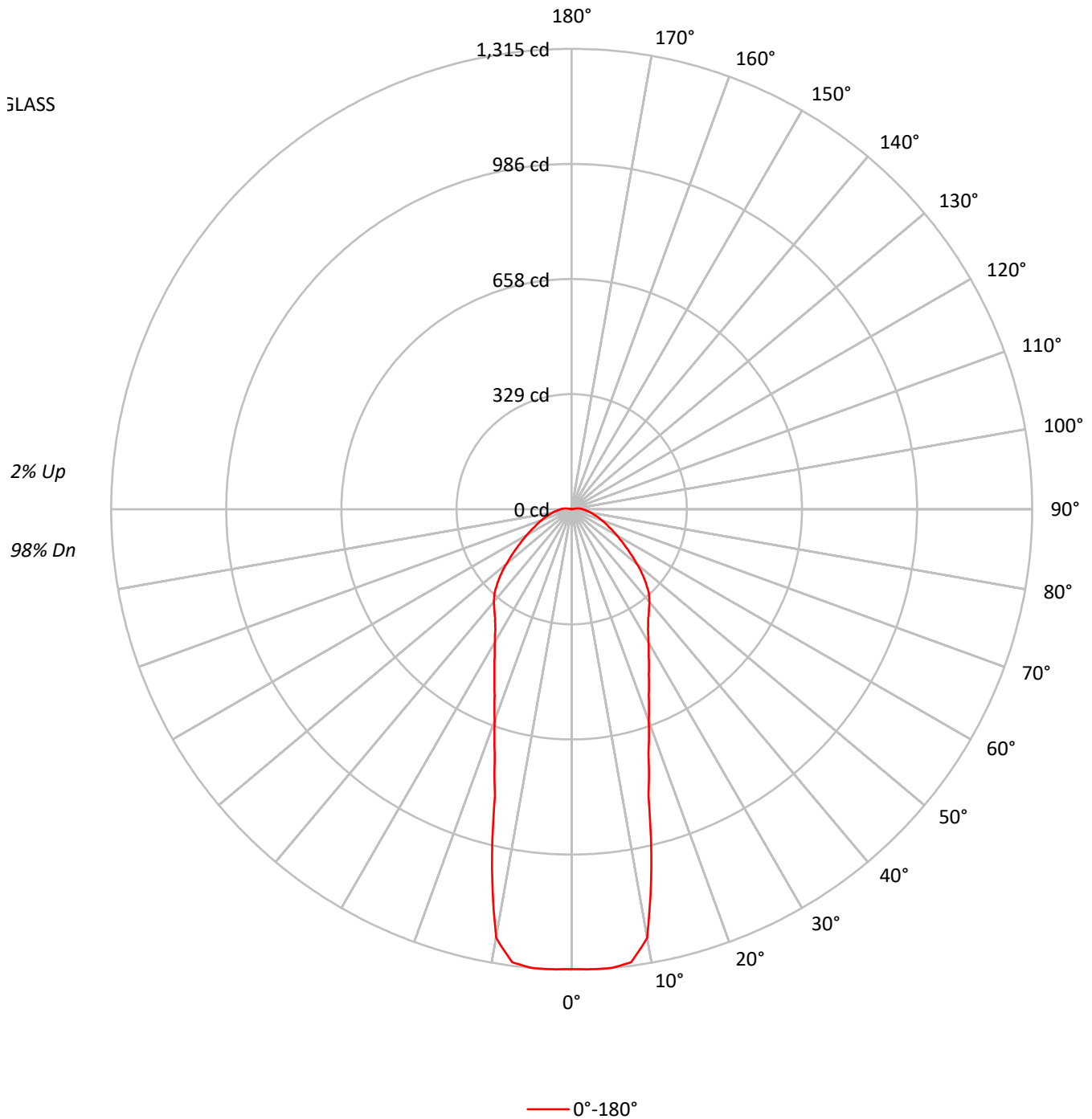
Lumens per Lamp: N/A  
Luminaire Lumens: 1517.6 lumens  
Efficiency: N/A  
Efficacy: 48.2 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	109	105	101	97	106	102	99	96	98	95	92		94	91	89		90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79		84	80	77		81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69		76	71	67		73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60		69	64	60		67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54		64	58	53		62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49		59	53	48		57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44		54	49	44		53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

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

	0°
0°	85687
5°	76967
10°	66396
15°	41864
20°	29893
25°	22958
30°	18500
35°	15559
40°	13730
45°	11740
50°	9422
55°	7337
60°	5770
65°	4556
70°	3685
75°	2937
80°	2380
85°	1873

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11740 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.6	8.1
10°-20°	244.1	16.1
20°-30°	241.8	15.9
30°-40°	240.9	15.9
40°-50°	230.0	15.2
50°-60°	171.6	11.3
60°-70°	116.3	7.7
70°-80°	75.9	5.0
80°-90°	46.1	3.0
90°-100°	24.0	1.6
100°-110°	3.2	0.2
110°-120°	0.0	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°	609.5	40.2
0°-40°	850.5	56.0
0°-60°	1252.0	82.5
0°-90°	1490.3	98.2
90°-120°	27.3	1.8
90°-150°	27.3	1.8
90°-180°	27.0	1.8
0°-180°	1517.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1313	
5°	1315	124
15°	846	244
25°	521	242
35°	381	241
45°	300	230
55°	190	172
65°	116	116
75°	71	76
85°	41	37
90°	31	17
95°	22	16
105°	2	3
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1313.4
2.5°	1315.1
5°	1315.1
7.5°	1304.7
10°	1242.6
12.5°	1051.0
15°	845.7
17.5°	730.0
20°	643.7
22.5°	574.7
25°	521.2
27.5°	476.3
30°	438.4
32.5°	405.6
35°	381.4
37.5°	362.4
40°	345.2
42.5°	326.2
45°	300.3
47.5°	272.7
50°	243.3
52.5°	215.7
55°	189.8
57.5°	167.4
60°	148.4
62.5°	131.2
65°	115.6
67.5°	103.5
70°	91.5
72.5°	81.1
75°	70.8
77.5°	62.1
80°	55.2
82.5°	48.3
85°	41.4
87.5°	36.2
90°	31.1
92.5°	27.6
95°	22.4
97.5°	17.3
100°	10.4
102.5°	5.2
105°	1.7
107.5°	0.0
110°	0.0

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.0
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)