

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: P702680

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9050-4LBW1LI-CQ

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702680  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-35-D010 / 340-EU4C-3040-9050-4LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

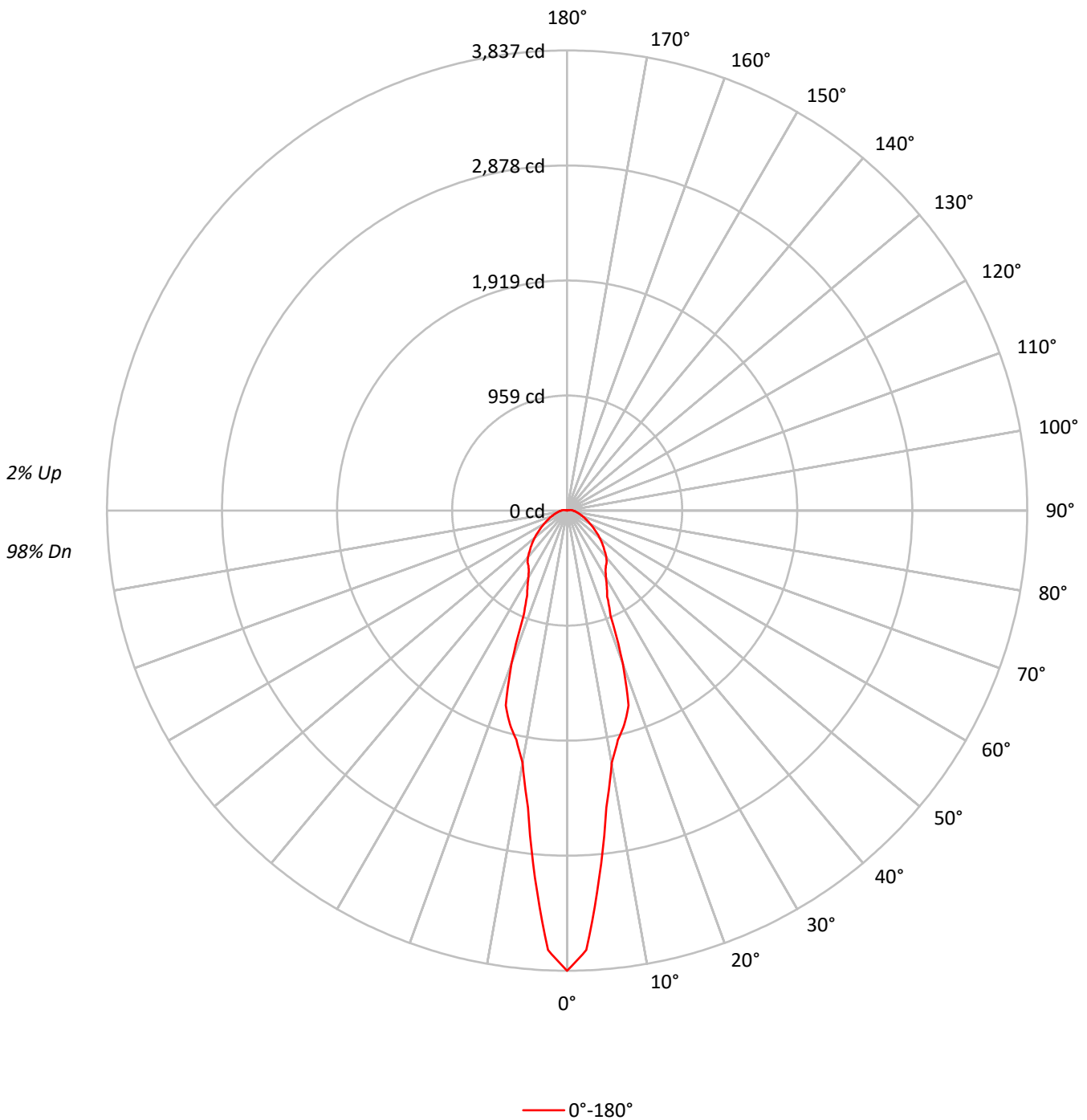
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2509.1 lumens  
Efficiency: N/A  
Efficacy: 62.1 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54  
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

TEST NUMBER: P702680

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9050-4LBW1LI-CQ

### Luminous Intensity Polar Plot



TEST NUMBER: P702680

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9050-4LBW1LI-CQ

**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	110	105	102	98	107	103	100	97	98	96	93		94	92	90		90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81		85	82	78		82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71		78	73	70		75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63		72	67	62		69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57		66	61	57		64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48		58	52	48		56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45		54	48	44		53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42		51	45	41		50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39		48	43	39		47	42	39	37

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

	0°
0°	250348
5°	179838
10°	114101
15°	91351
20°	62846
25°	34838
30°	27319
35°	22943
40°	20158
45°	16721
50°	13725
55°	10870
60°	8656
65°	6811
70°	5424
75°	4377
80°	3536
85°	2914

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16721 cd/sqm

TEST NUMBER: P702680

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9050-4LBW1LI-CQ

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.6	10.5
10°-20°	504.0	20.1
20°-30°	391.2	15.6
30°-40°	355.9	14.2
40°-50°	330.2	13.2
50°-60°	254.1	10.1
60°-70°	173.9	6.9
70°-80°	112.9	4.5
80°-90°	70.3	2.8
90°-100°	40.8	1.6
100°-110°	12.9	0.5
110°-120°	0.4	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°	1157.8	46.1
0°-40°	1513.7	60.3
0°-60°	2098.0	83.6
0°-90°	2455.1	97.8
90°-120°	54.0	2.2
90°-150°	54.0	2.2
90°-180°	54.0	2.2
0°-180°	2509.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3837	
5°	3073	263
15°	1845	504
25°	791	391
35°	562	356
45°	428	330
55°	281	254
65°	173	174
75°	106	113
85°	64	56
90°	47	27
95°	38	28
105°	12	13
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0

TEST NUMBER: P702680

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9050-4LBW1LI-CQ

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3837.3
2.5°	3667.4
5°	3072.8
7.5°	2498.7
10°	2135.4
12.5°	1956.7
15°	1845.4
17.5°	1701.9
20°	1353.3
22.5°	946.1
25°	790.9
27.5°	714.7
30°	647.4
32.5°	594.6
35°	562.4
37.5°	541.9
40°	506.8
42.5°	465.8
45°	427.7
47.5°	389.6
50°	354.4
52.5°	316.4
55°	281.2
57.5°	251.9
60°	222.6
62.5°	196.3
65°	172.8
67.5°	155.3
70°	134.7
72.5°	120.1
75°	105.5
77.5°	93.7
80°	82.0
82.5°	73.2
85°	64.4
87.5°	55.7
90°	46.9
92.5°	43.9
95°	38.1
97.5°	32.2
100°	23.4
102.5°	17.6
105°	11.7
107.5°	5.9
110°	2.9

TEST NUMBER: P702680

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9050-4LBW1LI-CQ

**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)