

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: P702048

Luminaire Tested: 340-4C-25-D010 / 340-EU4C-3040-9035-4LBW1LI-CC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702048  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-4C-25-D010 / 340-EU4C-3040-9035-4LBW1LI-CC  
Description: FARALLON 4" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

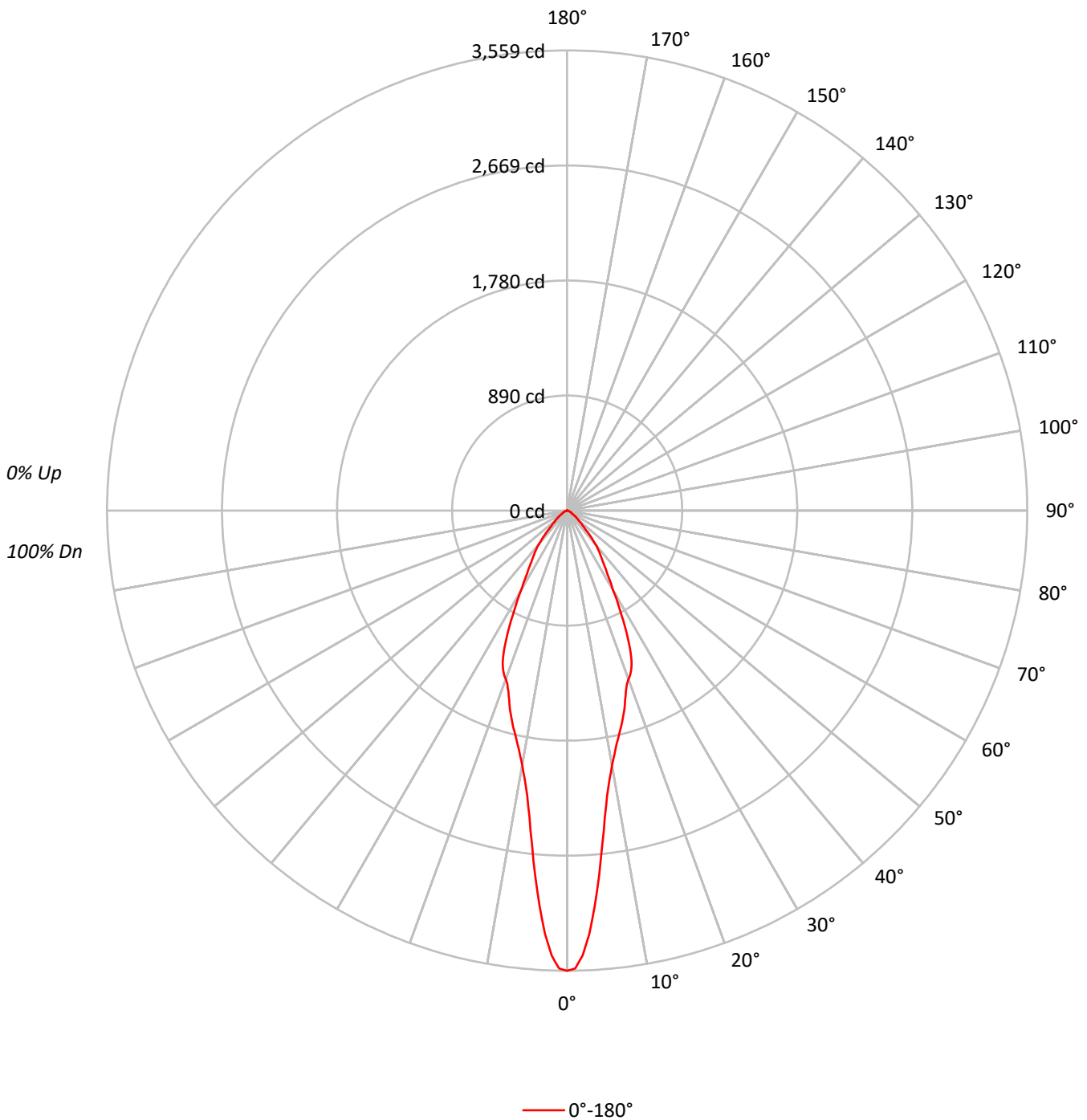
Lumens per Lamp: N/A  
Luminaire Lumens: 1779.6 lumens  
Efficiency: N/A  
Efficacy: 56.5 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.64  
Luminous Opening: Circular (Dia: 0.34' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P702048

CATALOG NUMBER: 340-4C-25-D010 / 340-EU4C-3040-9035-4LBW1LI-CC

### Luminous Intensity Polar Plot



TEST NUMBER: P702048

CATALOG NUMBER: 340-4C-25-D010 / 340-EU4C-3040-9035-4LBW1LI-CC

**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	111	111	111		106	106	106		102	102	102	100
1	113	110	108	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		86	83	81	79
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		81	78	75	73
5	91	82	76	72	89	82	76	72	80	75	71		78	74	70		76	73	70	68
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72	68	65	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65	61	57	56
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		62	57	54	53
10	71	62	56	52	70	61	55	52	60	55	52		59	55	51		59	54	51	50

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

	0°
0°	412819
5°	329731
10°	235674
15°	199804
20°	171267
25°	144968
30°	95288
35°	67991
40°	51932
45°	30541
50°	20155
55°	14660
60°	9557
65°	8617
70°	7325
75°	5288
80°	3941
85°	2662

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 30541 cd/sqm

TEST NUMBER: P702048

CATALOG NUMBER: 340-4C-25-D010 / 340-EU4C-3040-9035-4LBW1LI-CC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.8	13.5
10°-20°	462.7	26.0
20°-30°	499.8	28.1
30°-40°	308.7	17.3
40°-50°	154.7	8.7
50°-60°	64.9	3.6
60°-70°	30.5	1.7
70°-80°	13.4	0.8
80°-90°	3.0	0.2
90°-100°	0.3	0.0
100°-110°	0.8	0.0
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°	1203.3	67.6
0°-40°	1512.1	85.0
0°-60°	1731.6	97.3
0°-90°	1778.5	99.9
90°-120°	1.1	0.1
90°-150°	1.1	0.1
90°-180°	1.0	0.1
0°-180°	1779.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3559	
5°	2832	241
15°	1664	463
25°	1133	500
35°	480	309
45°	186	155
55°	72	65
65°	31	31
75°	12	13
85°	2	3
90°	0	0
95°	0	1
105°	0	1
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

TEST NUMBER: P702048

CATALOG NUMBER: 340-4C-25-D010 / 340-EU4C-3040-9035-4LBW1LI-CC

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3559.3
1°	3541.6
2°	3441.7
3°	3277.0
4°	3063.4
5°	2832.1
6°	2600.8
7°	2391.1
8°	2224.5
9°	2099.1
10°	2001.1
11°	1916.8
12°	1844.3
13°	1781.6
14°	1724.7
15°	1664.0
16°	1603.2
17°	1534.6
18°	1471.9
19°	1421.0
20°	1387.6
21°	1360.2
22°	1324.9
23°	1275.9
24°	1209.3
25°	1132.8
27.5°	911.4
30°	711.5
32.5°	574.3
35°	480.2
37.5°	411.6
40°	343.0
42.5°	256.8
45°	186.2
47.5°	141.1
50°	111.7
52.5°	92.1
55°	72.5
57.5°	51.0
60°	41.2
62.5°	35.3
65°	31.4
67.5°	25.5
70°	21.6
72.5°	15.7

TEST NUMBER: P702048

CATALOG NUMBER: 340-4C-25-D010 / 340-EU4C-3040-9035-4LBW1LI-CC

**CANDELA DISTRIBUTION (continued):**

	0°
75°	11.8
77.5°	9.8
80°	5.9
82.5°	3.9
85°	2.0
87.5°	2.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	2.0
102.5°	2.0
105°	0.0
107.5°	0.0
110°	0.0
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)