

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: P702502

Luminaire Tested: 340-6C-20-D010 / 340-EU4C-1020-9035-4LBW1LI-GFF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702502  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-20-D010 / 340-EU4C-1020-9035-4LBW1LI-GFF  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

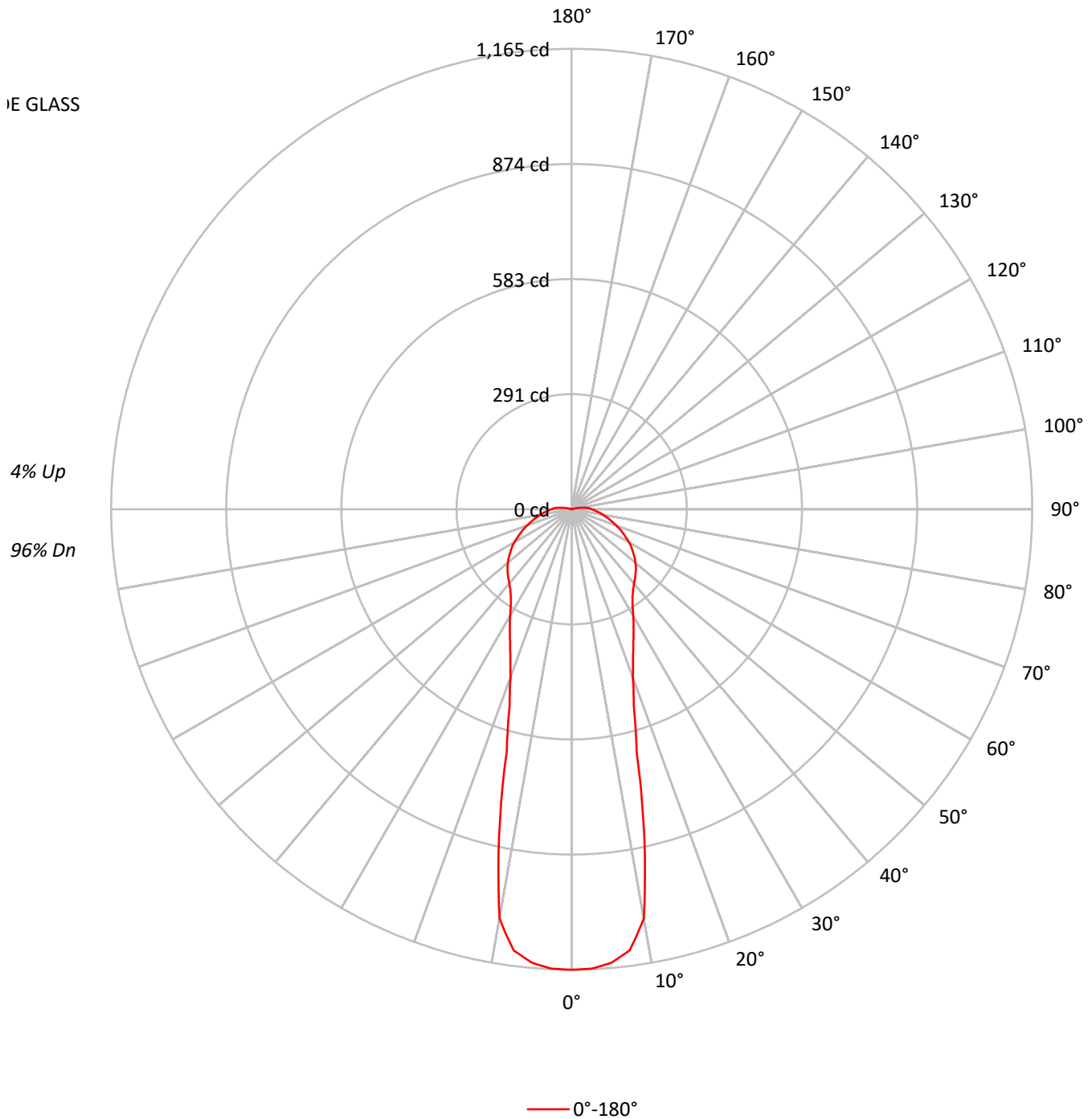
Lumens per Lamp: N/A  
Luminaire Lumens: 1348.5 lumens  
Efficiency: N/A  
Efficacy: 61.9 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 21.8  
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: P702502

CATALOG NUMBER: 340-6C-20-D010 / 340-EU4C-1020-9035-4LBW1LI-GFF

### Luminous Intensity Polar Plot



TEST NUMBER: P702502

CATALOG NUMBER: 340-6C-20-D010 / 340-EU4C-1020-9035-4LBW1LI-GFF

**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	109	109	109		104	104	104		99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88		90	87	84		85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73		79	75	71		76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62		71	65	61		68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54		64	58	53		61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48		58	52	47		56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43		54	47	43		52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39		50	43	39		48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36		46	40	36		45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33		43	37	33		42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31		41	35	31		40	34	30	29

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

	0°
0°	76012
5°	67416
10°	56185
15°	31444
20°	21014
25°	16236
30°	13124
35°	10941
40°	9753
45°	8941
50°	8156
55°	7314
60°	6525
65°	5644
70°	4837
75°	4095
80°	3475
85°	2905

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8941 cd/sqm

TEST NUMBER: P702502

CATALOG NUMBER: 340-6C-20-D010 / 340-EU4C-1020-9035-4LBW1LI-GFF

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.1	7.9
10°-20°	186.5	13.8
20°-30°	171.0	12.7
30°-40°	170.0	12.6
40°-50°	176.6	13.1
50°-60°	169.8	12.6
60°-70°	142.0	10.5
70°-80°	104.7	7.8
80°-90°	70.9	5.3
90°-100°	41.1	3.0
100°-110°	8.5	0.6
110°-120°	0.2	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°	464.6	34.5
0°-40°	634.6	47.1
0°-60°	981.0	72.7
0°-90°	1298.6	96.3
90°-120°	49.9	3.7
90°-150°	49.9	3.7
90°-180°	50.0	3.7
0°-180°	1348.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1165	
5°	1152	107
15°	635	186
25°	369	171
35°	268	170
45°	229	177
55°	189	170
65°	143	142
75°	99	105
85°	64	56
90°	51	28
95°	40	28
105°	7	9
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: P702502

CATALOG NUMBER: 340-6C-20-D010 / 340-EU4C-1020-9035-4LBW1LI-GFF

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1165.1
2.5°	1163.4
5°	1151.9
7.5°	1125.6
10°	1051.5
12.5°	849.1
15°	635.2
17.5°	521.6
20°	452.5
22.5°	404.8
25°	368.6
27.5°	339.0
30°	311.0
32.5°	286.3
35°	268.2
37.5°	255.1
40°	245.2
42.5°	237.0
45°	228.7
47.5°	220.5
50°	210.6
52.5°	200.8
55°	189.2
57.5°	179.4
60°	167.8
62.5°	154.7
65°	143.2
67.5°	131.6
70°	120.1
72.5°	108.6
75°	98.7
77.5°	88.9
80°	80.6
82.5°	72.4
85°	64.2
87.5°	57.6
90°	51.0
92.5°	46.1
95°	39.5
97.5°	29.6
100°	19.7
102.5°	11.5
105°	6.6
107.5°	3.3
110°	1.6

TEST NUMBER: P702502

CATALOG NUMBER: 340-6C-20-D010 / 340-EU4C-1020-9035-4LBW1LI-GFF

**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)