

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: P702410

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9727-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702410
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-10-D010 / 340-EU4C-1020-9727-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 2700K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

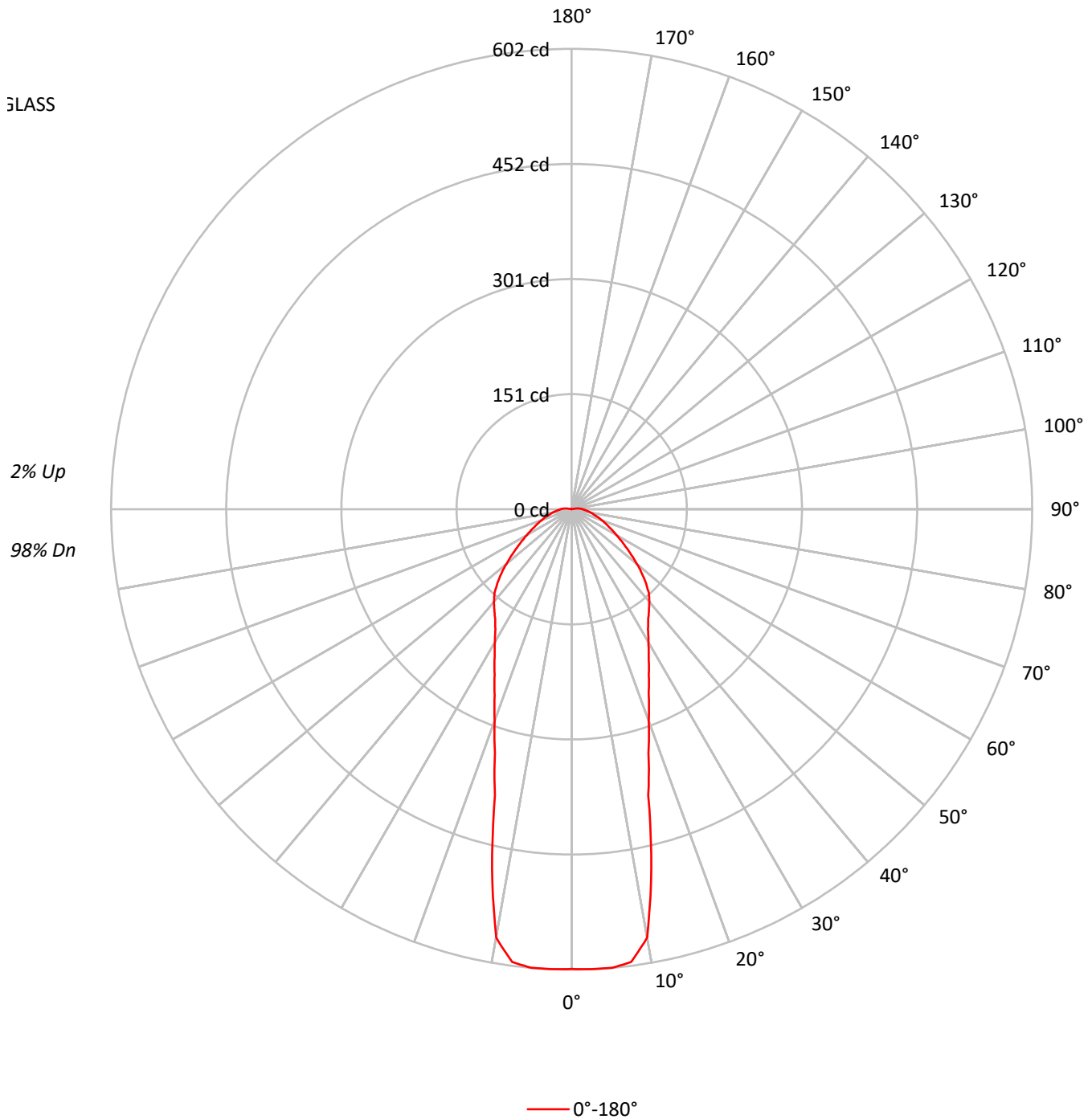
Lumens per Lamp: N/A
Luminaire Lumens: 694.6 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 9.8
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: P702410

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9727-4LBW1LI-GFC

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°	39216
5°	35227
10°	30387
15°	19157
20°	13681
25°	10506
30°	8465
35°	7123
40°	6284
45°	5372
50°	4314
55°	3359
60°	2640
65°	2085
70°	1687
75°	1344
80°	1091
85°	860

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5372 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	8.1
10°-20°	111.7	16.1
20°-30°	110.7	15.9
30°-40°	110.3	15.9
40°-50°	105.2	15.2
50°-60°	78.5	11.3
60°-70°	53.2	7.7
70°-80°	34.7	5.0
80°-90°	21.1	3.0
90°-100°	11.0	1.6
100°-110°	1.5	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°	279.0	40.2
0°-40°	389.2	56.0
0°-60°	573.0	82.5
0°-90°	682.1	98.2
90°-120°	12.5	1.8
90°-150°	12.5	1.8
90°-180°	12.0	1.7
0°-180°	694.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	601	
5°	602	57
15°	387	112
25°	238	111
35°	175	110
45°	137	105
55°	87	79
65°	53	53
75°	32	35
85°	19	17
90°	14	8
95°	10	7
105°	1	1
115°	0	0
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°	601.1
2.5°	601.9
5°	601.9
7.5°	597.1
10°	568.7
12.5°	481.0
15°	387.0
17.5°	334.1
20°	294.6
22.5°	263.0
25°	238.5
27.5°	218.0
30°	200.6
32.5°	185.6
35°	174.6
37.5°	165.9
40°	158.0
42.5°	149.3
45°	137.4
47.5°	124.8
50°	111.4
52.5°	98.7
55°	86.9
57.5°	76.6
60°	67.9
62.5°	60.0
65°	52.9
67.5°	47.4
70°	41.9
72.5°	37.1
75°	32.4
77.5°	28.4
80°	25.3
82.5°	22.1
85°	19.0
87.5°	16.6
90°	14.2
92.5°	12.6
95°	10.3
97.5°	7.9
100°	4.7
102.5°	2.4
105°	0.8
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)