

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: P702690

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9727-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702690
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-35-D010 / 340-EU4C-3040-9727-4LBW1LI-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

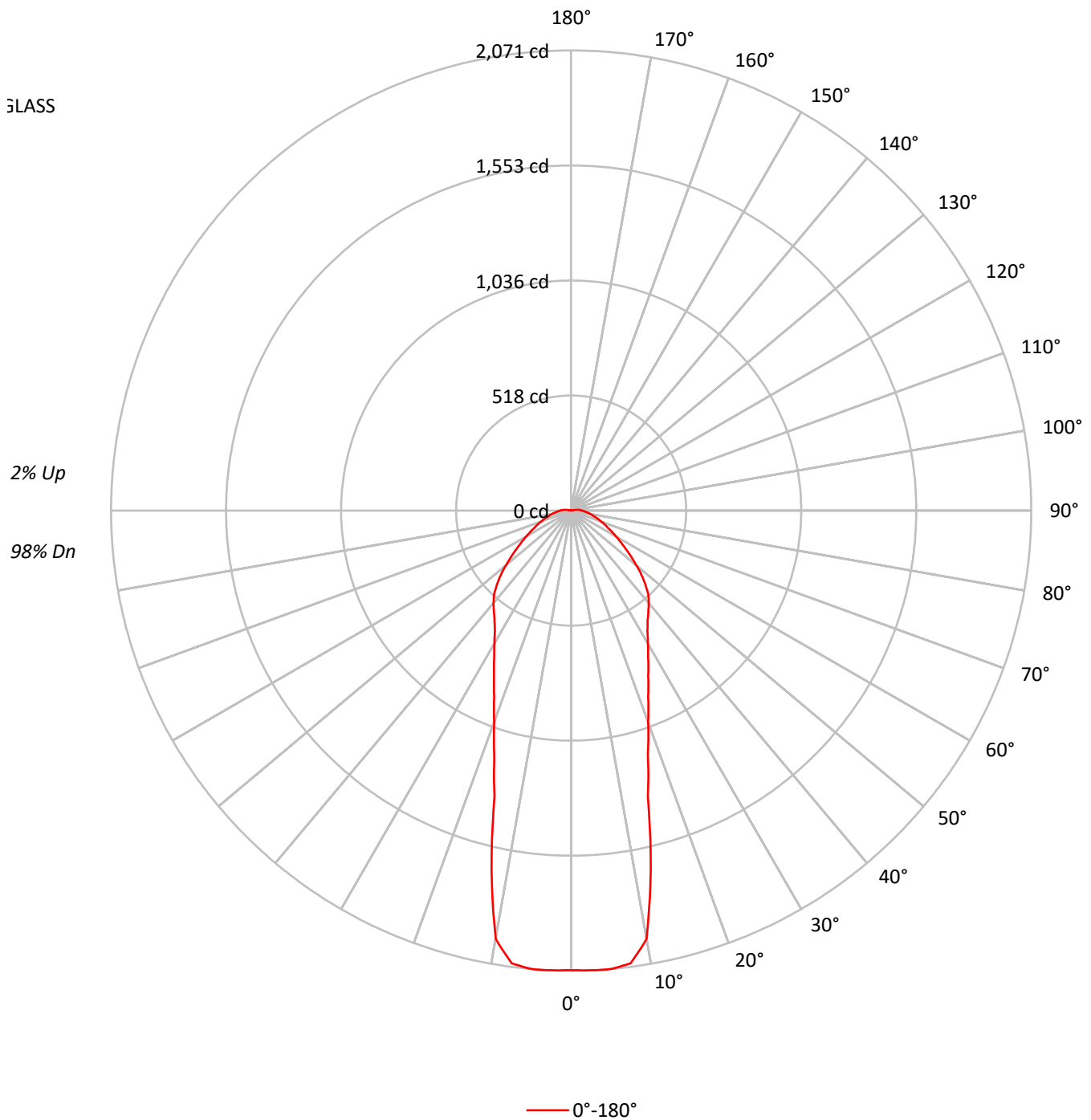
Lumens per Lamp: N/A
Luminaire Lumens: 2390.2 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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

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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°	134944
5°	121219
10°	104569
15°	65927
20°	47080
25°	36160
30°	29134
35°	24505
40°	21621
45°	18488
50°	14840
55°	11559
60°	9091
65°	7177
70°	5803
75°	4622
80°	3751
85°	2950

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18488 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.7	8.1
10°-20°	384.4	16.1
20°-30°	380.8	15.9
30°-40°	379.4	15.9
40°-50°	362.2	15.2
50°-60°	270.3	11.3
60°-70°	183.3	7.7
70°-80°	119.4	5.0
80°-90°	72.6	3.0
90°-100°	37.8	1.6
100°-110°	5.1	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°	960.0	40.2
0°-40°	1339.4	56.0
0°-60°	1971.9	82.5
0°-90°	2347.2	98.2
90°-120°	42.9	1.8
90°-150°	42.9	1.8
90°-180°	43.0	1.8
0°-180°	2390.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2068	
5°	2071	195
15°	1332	384
25°	821	381
35°	601	379
45°	473	362
55°	299	270
65°	182	183
75°	111	119
85°	65	58
90°	49	27
95°	35	25
105°	3	5
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°	2068.4
2.5°	2071.2
5°	2071.2
7.5°	2054.8
10°	1957.0
12.5°	1655.3
15°	1331.8
17.5°	1149.7
20°	1013.8
22.5°	905.1
25°	820.9
27.5°	750.2
30°	690.4
32.5°	638.7
35°	600.7
37.5°	570.8
40°	543.6
42.5°	513.7
45°	472.9
47.5°	429.5
50°	383.2
52.5°	339.8
55°	299.0
57.5°	263.7
60°	233.8
62.5°	206.6
65°	182.1
67.5°	163.1
70°	144.1
72.5°	127.7
75°	111.4
77.5°	97.8
80°	87.0
82.5°	76.1
85°	65.2
87.5°	57.1
90°	48.9
92.5°	43.5
95°	35.3
97.5°	27.2
100°	16.3
102.5°	8.2
105°	2.7
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)