

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: P702571

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9050-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702571
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-25-D010 / 340-EU4C-3040-9050-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

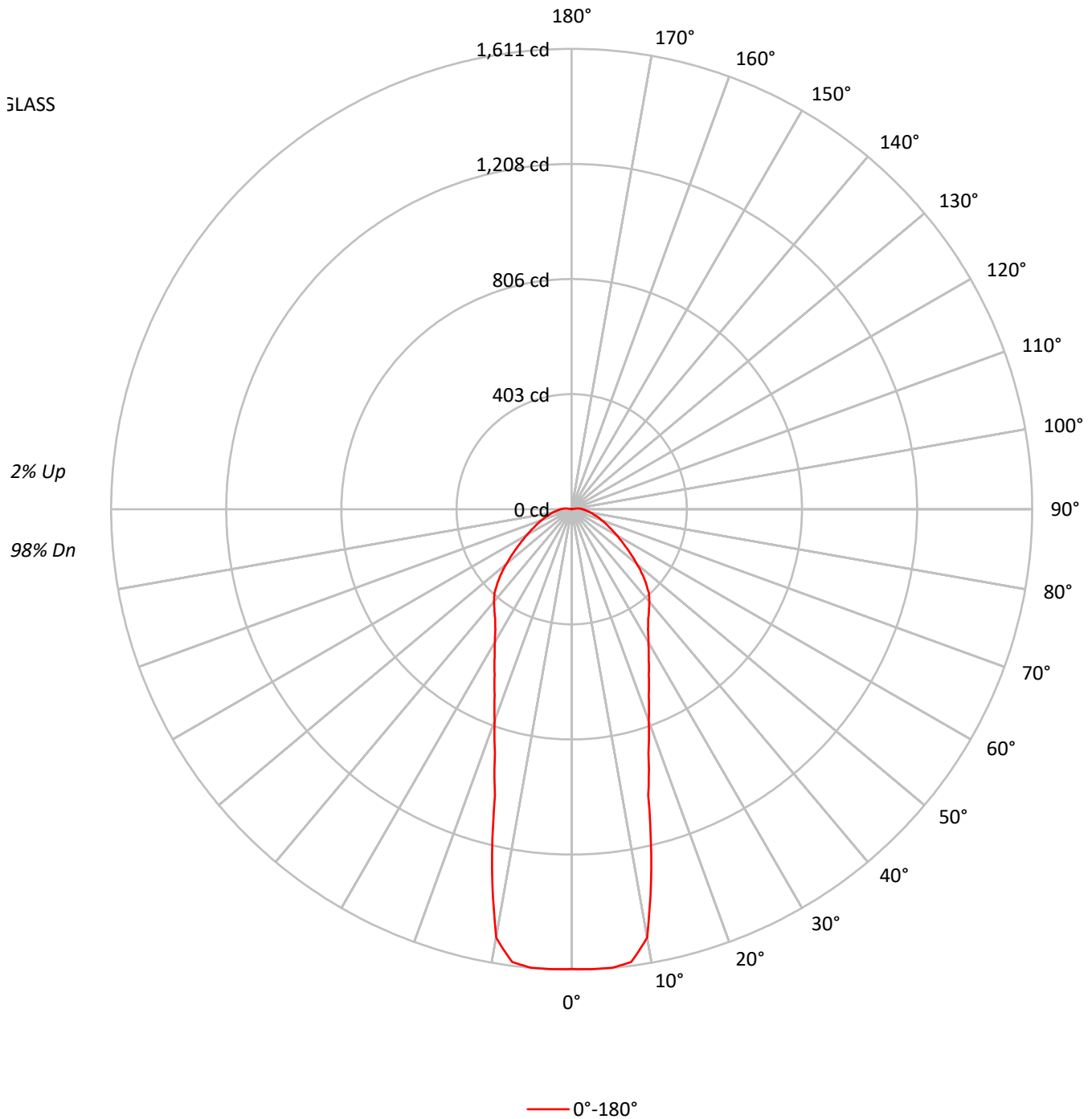
Lumens per Lamp: N/A
Luminaire Lumens: 1858.6 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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

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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°	104940
5°	94262
10°	81320
15°	51269
20°	36613
25°	28117
30°	22656
35°	19055
40°	16813
45°	14379
50°	11541
55°	8988
60°	7069
65°	5581
70°	4510
75°	3597
80°	2915
85°	2294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14379 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	8.1
10°-20°	298.9	16.1
20°-30°	296.2	15.9
30°-40°	295.1	15.9
40°-50°	281.6	15.2
50°-60°	210.2	11.3
60°-70°	142.5	7.7
70°-80°	92.9	5.0
80°-90°	56.5	3.0
90°-100°	29.4	1.6
100°-110°	3.9	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°	746.5	40.2
0°-40°	1041.6	56.0
0°-60°	1533.4	82.5
0°-90°	1825.3	98.2
90°-120°	33.4	1.8
90°-150°	33.4	1.8
90°-180°	33.0	1.8
0°-180°	1858.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1608	
5°	1611	151
15°	1036	299
25°	638	296
35°	467	295
45°	368	282
55°	232	210
65°	142	142
75°	87	93
85°	51	45
90°	38	21
95°	28	20
105°	2	4
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°	1608.5
2.5°	1610.6
5°	1610.6
7.5°	1598.0
10°	1521.9
12.5°	1287.2
15°	1035.7
17.5°	894.1
20°	788.4
22.5°	703.9
25°	638.3
27.5°	583.4
30°	536.9
32.5°	496.7
35°	467.1
37.5°	443.9
40°	422.7
42.5°	399.5
45°	367.8
47.5°	334.0
50°	298.0
52.5°	264.2
55°	232.5
57.5°	205.0
60°	181.8
62.5°	160.6
65°	141.6
67.5°	126.8
70°	112.0
72.5°	99.3
75°	86.7
77.5°	76.1
80°	67.6
82.5°	59.2
85°	50.7
87.5°	44.4
90°	38.0
92.5°	33.8
95°	27.5
97.5°	21.1
100°	12.7
102.5°	6.3
105°	2.1
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)