

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: P702581

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9730-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-25-D010 / 340-EU4C-3040-9730-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

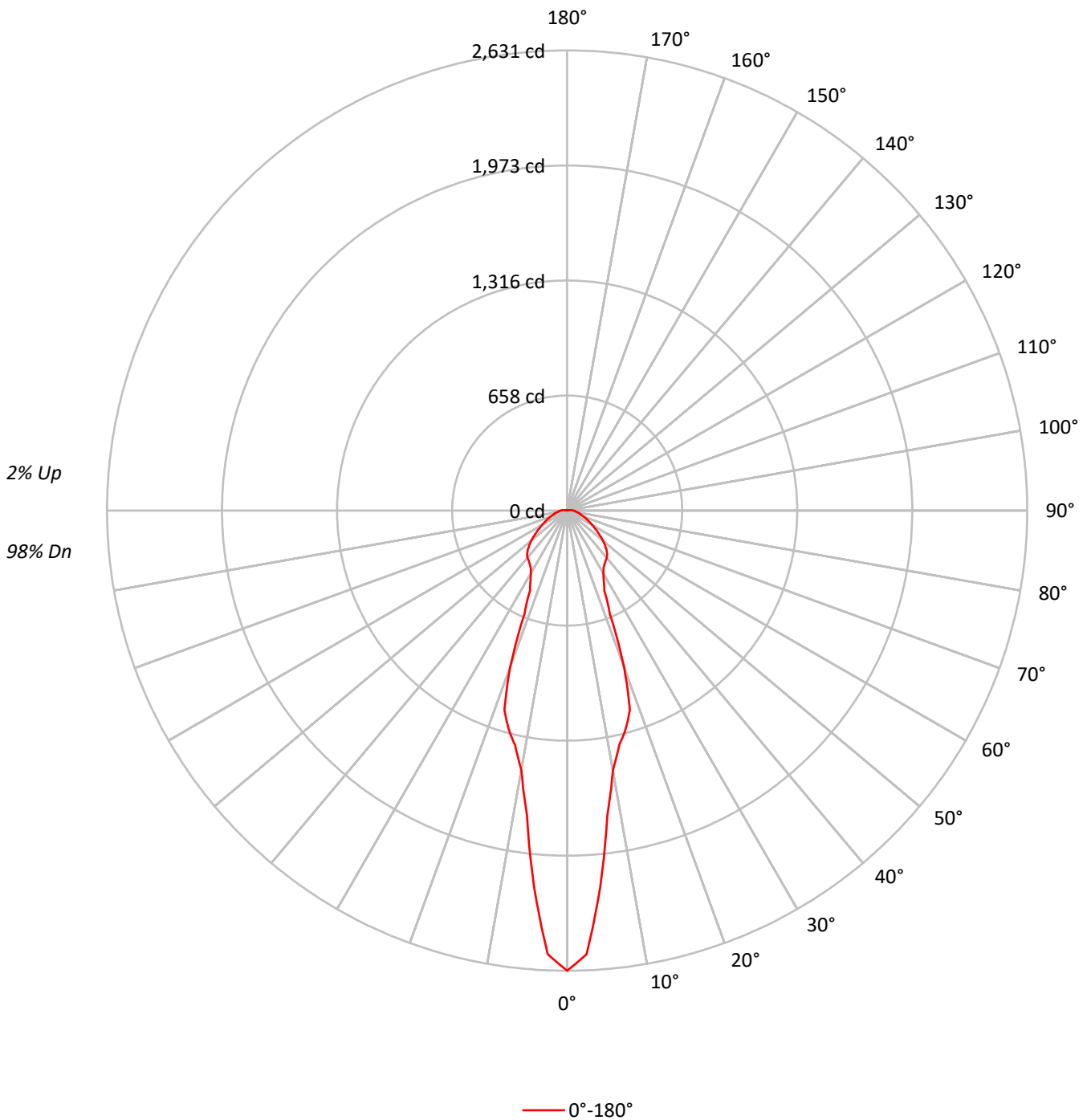
Lumens per Lamp: N/A
Luminaire Lumens: 1768.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	98	107	103	99	96	98	95	93		94	92	90		90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80		85	81	78		82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70		77	73	69		75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63		71	66	62		69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56		66	60	56		64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52		61	55	51		59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44		53	48	44		52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41		50	45	41		49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	171629
5°	126632
10°	80524
15°	64001
20°	44131
25°	22188
30°	17470
35°	15225
40°	14032
45°	12436
50°	10344
55°	8199
60°	6501
65°	5144
70°	4023
75°	3215
80°	2639
85°	2122

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12436 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.2	10.4
10°-20°	353.7	20.0
20°-30°	256.9	14.5
30°-40°	235.7	13.3
40°-50°	243.1	13.7
50°-60°	191.0	10.8
60°-70°	129.9	7.3
70°-80°	83.2	4.7
80°-90°	51.4	2.9
90°-100°	29.8	1.7
100°-110°	9.0	0.5
110°-120°	0.3	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°	794.8	45.0
0°-40°	1030.5	58.3
0°-60°	1464.6	82.8
0°-90°	1729.0	97.8
90°-120°	39.0	2.2
90°-150°	39.0	2.2
90°-180°	39.0	2.2
0°-180°	1768.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2631	
5°	2164	184
15°	1293	354
25°	504	257
35°	373	236
45°	318	243
55°	212	191
65°	130	130
75°	78	83
85°	47	41
90°	35	20
95°	28	21
105°	8	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

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2630.7
2.5°	2538.9
5°	2163.7
7.5°	1757.9
10°	1507.0
12.5°	1374.5
15°	1292.9
17.5°	1193.0
20°	950.3
22.5°	636.3
25°	503.7
27.5°	452.7
30°	414.0
32.5°	387.5
35°	373.2
37.5°	361.0
40°	352.8
42.5°	338.5
45°	318.1
47.5°	293.7
50°	267.1
52.5°	238.6
55°	212.1
57.5°	187.6
60°	167.2
62.5°	146.8
65°	130.5
67.5°	114.2
70°	99.9
72.5°	87.7
75°	77.5
77.5°	69.3
80°	61.2
82.5°	53.0
85°	46.9
87.5°	40.8
90°	34.7
92.5°	32.6
95°	28.5
97.5°	22.4
100°	16.3
102.5°	12.2
105°	8.2
107.5°	4.1
110°	2.0

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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)