

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: P702560

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9040-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702560
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-3040-9040-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

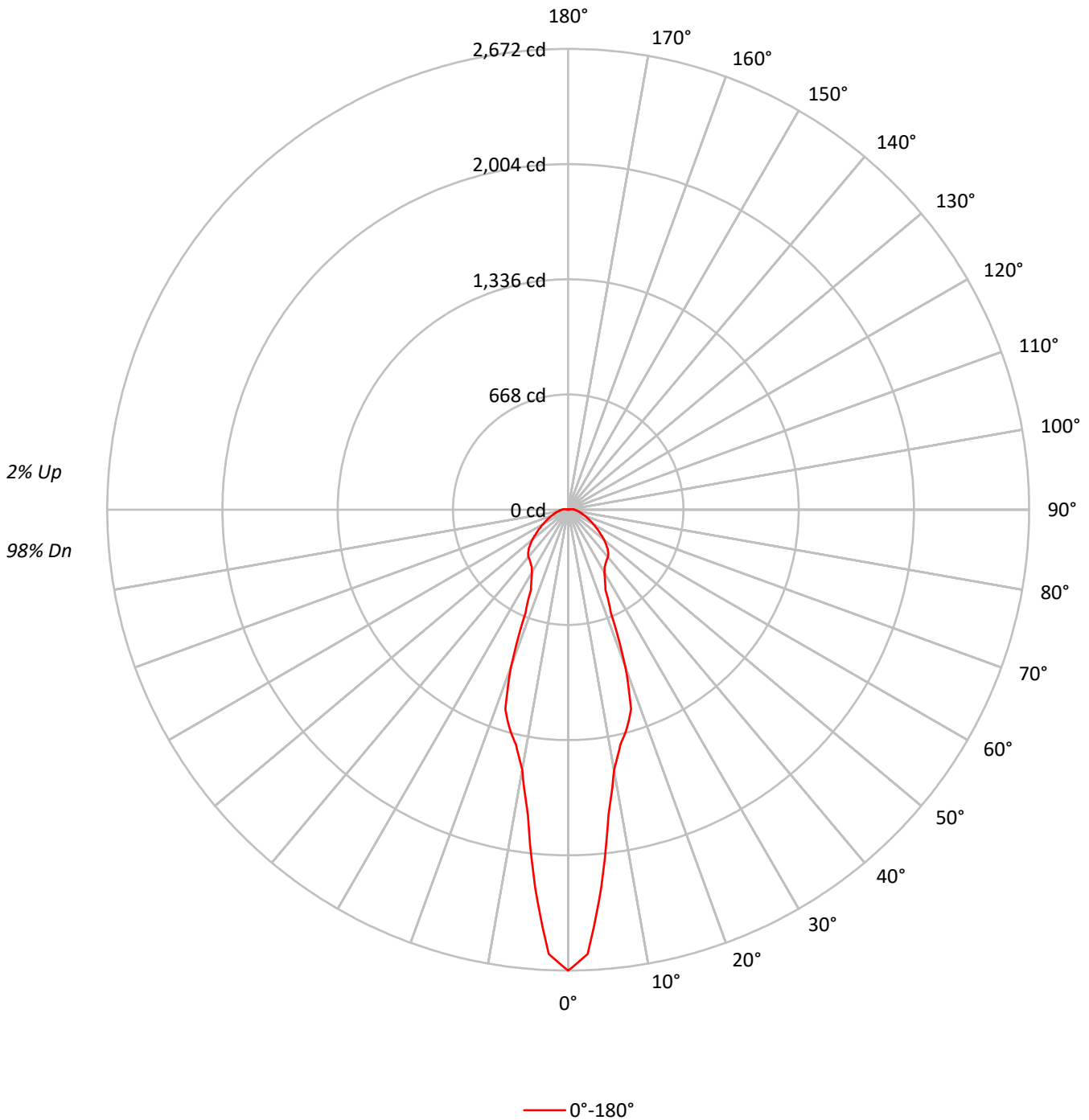
Lumens per Lamp: N/A
Luminaire Lumens: 1796.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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

TEST NUMBER: P702560

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9040-4LBW1LI-CF

Luminous Intensity Polar Plot



TEST NUMBER: P702560

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9040-4LBW1LI-CF

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	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°	174343
5°	128634
10°	81801
15°	65016
20°	44833
25°	22540
30°	17744
35°	15465
40°	14255
45°	12635
50°	10510
55°	8327
60°	6606
65°	5226
70°	4087
75°	3265
80°	2678
85°	2154

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12635 cd/sqm

TEST NUMBER: P702560

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9040-4LBW1LI-CF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.1	10.4
10°-20°	359.3	20.0
20°-30°	260.9	14.5
30°-40°	239.4	13.3
40°-50°	246.9	13.7
50°-60°	194.0	10.8
60°-70°	132.0	7.3
70°-80°	84.5	4.7
80°-90°	52.2	2.9
90°-100°	30.2	1.7
100°-110°	9.1	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°	807.4	45.0
0°-40°	1046.8	58.3
0°-60°	1487.8	82.8
0°-90°	1756.4	97.8
90°-120°	39.6	2.2
90°-150°	39.6	2.2
90°-180°	40.0	2.2
0°-180°	1796.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2672	
5°	2198	187
15°	1313	359
25°	512	261
35°	379	239
45°	323	247
55°	215	194
65°	133	132
75°	79	84
85°	48	42
90°	35	20
95°	29	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

TEST NUMBER: P702560

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9040-4LBW1LI-CF

CANDELA DISTRIBUTION (FULL):

0°	
0°	2672.3
2.5°	2579.1
5°	2197.9
7.5°	1785.7
10°	1530.9
12.5°	1396.2
15°	1313.4
17.5°	1211.9
20°	965.4
22.5°	646.3
25°	511.7
27.5°	459.9
30°	420.5
32.5°	393.6
35°	379.1
37.5°	366.7
40°	358.4
42.5°	343.9
45°	323.2
47.5°	298.3
50°	271.4
52.5°	242.4
55°	215.4
57.5°	190.6
60°	169.9
62.5°	149.2
65°	132.6
67.5°	116.0
70°	101.5
72.5°	89.1
75°	78.7
77.5°	70.4
80°	62.1
82.5°	53.9
85°	47.6
87.5°	41.4
90°	35.2
92.5°	33.1
95°	29.0
97.5°	22.8
100°	16.6
102.5°	12.4
105°	8.3
107.5°	4.1
110°	2.1

TEST NUMBER: P702560

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9040-4LBW1LI-CF

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)