

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: P702389

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9035-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702389
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-1020-9035-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

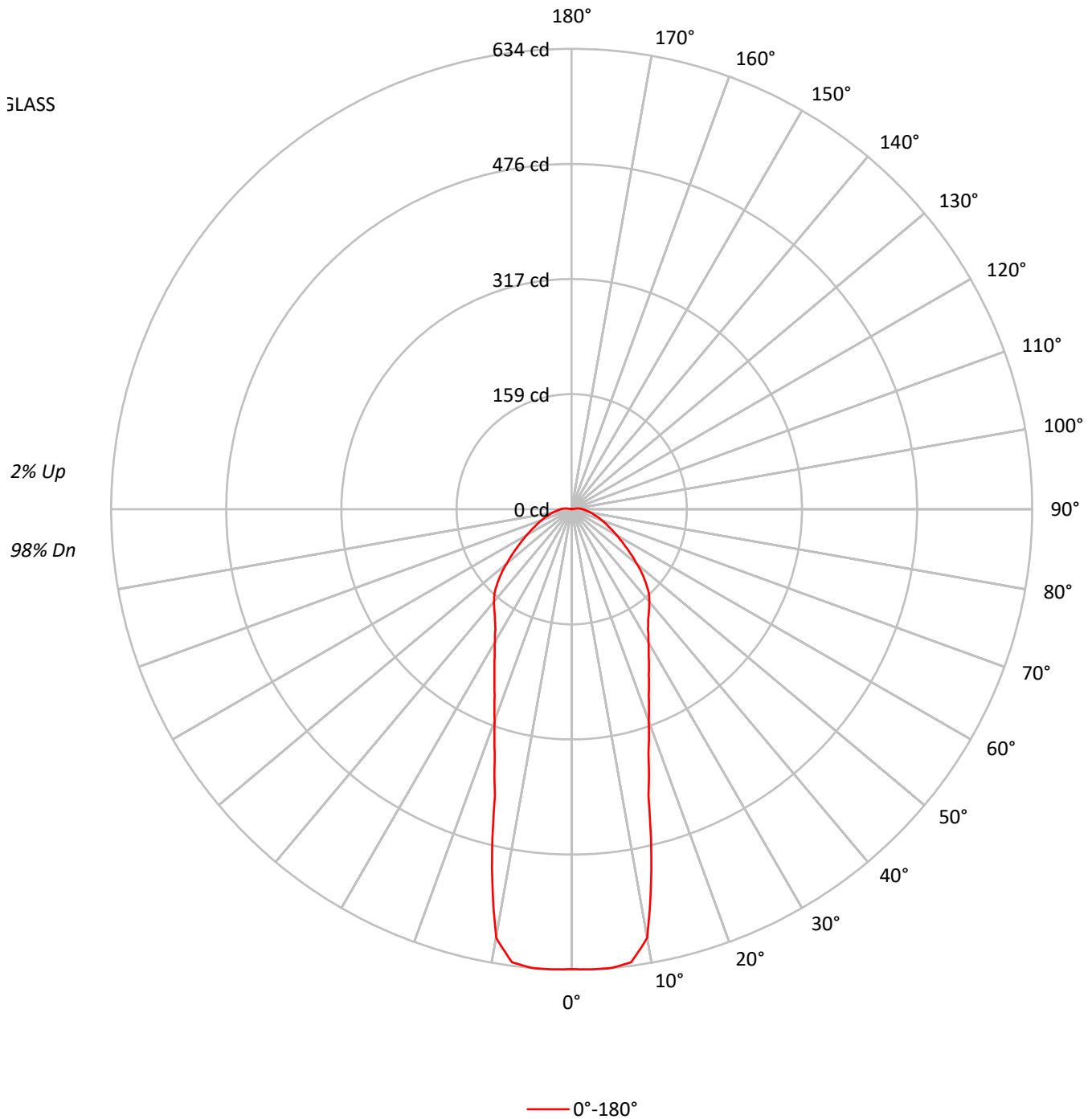
Lumens per Lamp: N/A
Luminaire Lumens: 731.8 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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: P702389

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9035-4LBW1LI-GFC

Luminous Intensity Polar Plot



TEST NUMBER: P702389

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9035-4LBW1LI-GFC

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°	41317
5°	37111
10°	32017
15°	20187
20°	14415
25°	11070
30°	8921
35°	7502
40°	6618
45°	5661
50°	4543
55°	3537
60°	2784
65°	2199
70°	1776
75°	1415
80°	1147
85°	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5661 cd/sqm

TEST NUMBER: P702389

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9035-4LBW1LI-GFC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	8.1
10°-20°	117.7	16.1
20°-30°	116.6	15.9
30°-40°	116.2	15.9
40°-50°	110.9	15.2
50°-60°	82.7	11.3
60°-70°	56.1	7.7
70°-80°	36.6	5.0
80°-90°	22.2	3.0
90°-100°	11.6	1.6
100°-110°	1.6	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°	293.9	40.2
0°-40°	410.1	56.0
0°-60°	603.7	82.5
0°-90°	718.6	98.2
90°-120°	13.1	1.8
90°-150°	13.1	1.8
90°-180°	13.0	1.8
0°-180°	731.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	633	
5°	634	60
15°	408	118
25°	251	117
35°	184	116
45°	145	111
55°	92	83
65°	56	56
75°	34	37
85°	20	18
90°	15	8
95°	11	8
105°	1	2
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: P702389

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9035-4LBW1LI-GFC

CANDELA DISTRIBUTION (FULL):

0°	
0°	633.3
2.5°	634.1
5°	634.1
7.5°	629.1
10°	599.2
12.5°	506.8
15°	407.8
17.5°	352.0
20°	310.4
22.5°	277.1
25°	251.3
27.5°	229.7
30°	211.4
32.5°	195.6
35°	183.9
37.5°	174.8
40°	166.4
42.5°	157.3
45°	144.8
47.5°	131.5
50°	117.3
52.5°	104.0
55°	91.5
57.5°	80.7
60°	71.6
62.5°	63.2
65°	55.8
67.5°	49.9
70°	44.1
72.5°	39.1
75°	34.1
77.5°	30.0
80°	26.6
82.5°	23.3
85°	20.0
87.5°	17.5
90°	15.0
92.5°	13.3
95°	10.8
97.5°	8.3
100°	5.0
102.5°	2.5
105°	0.8
107.5°	0.0
110°	0.0

TEST NUMBER: P702389

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9035-4LBW1LI-GFC

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)