

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: P702424

Luminaire Tested: 340-6C-15-D010 / 340-EU4C-1020-9024-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702424
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-15-D010 / 340-EU4C-1020-9024-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

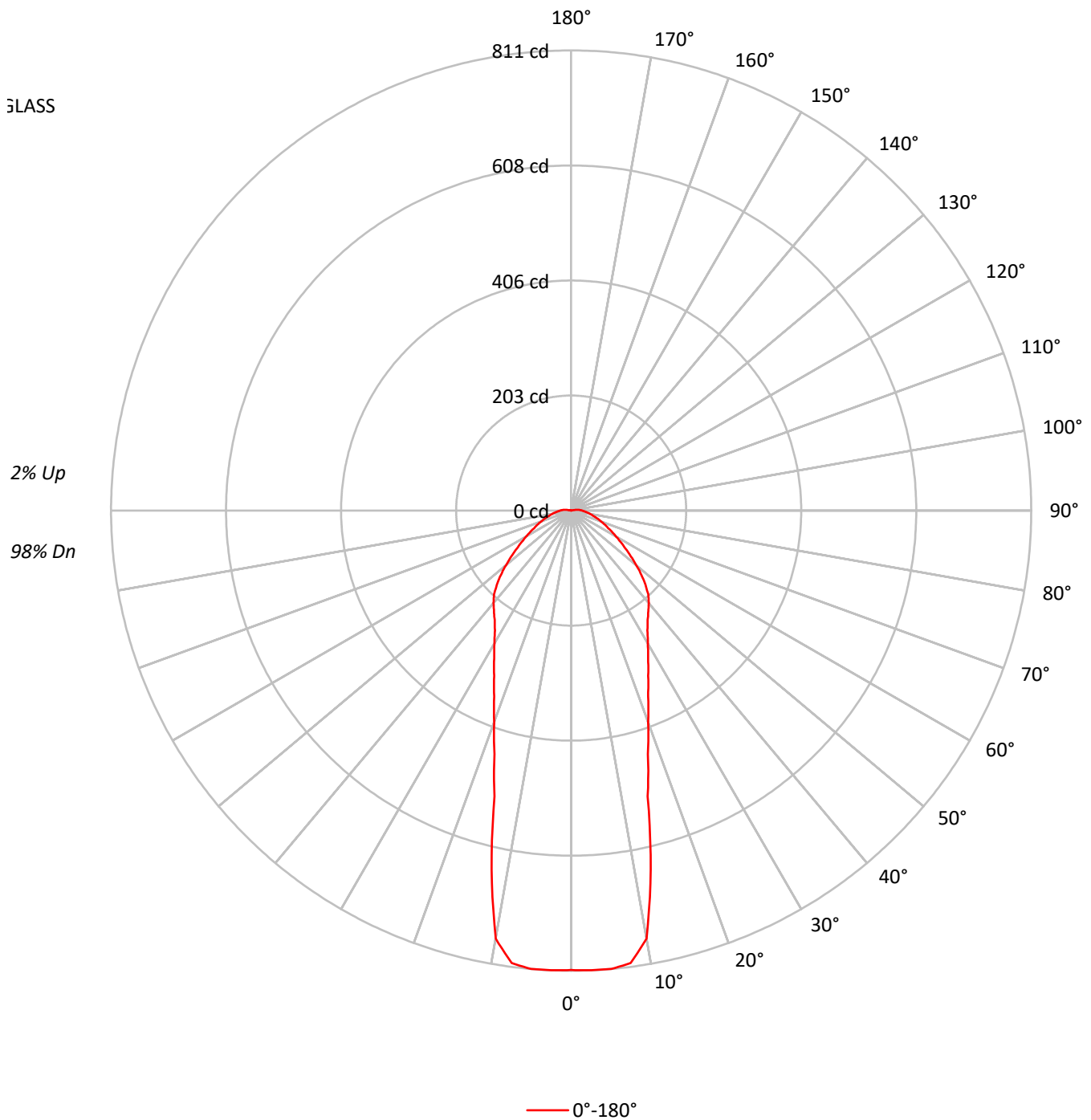
Lumens per Lamp: N/A
Luminaire Lumens: 935.6 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 15.8
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

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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	77	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°	52825
5°	47453
10°	40935
15°	25810
20°	18432
25°	14153
30°	11406
35°	9591
40°	8464
45°	7236
50°	5809
55°	4523
60°	3558
65°	2810
70°	2271
75°	1809
80°	1466
85°	1154

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7236 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	8.1
10°-20°	150.5	16.1
20°-30°	149.1	15.9
30°-40°	148.5	15.9
40°-50°	141.8	15.2
50°-60°	105.8	11.3
60°-70°	71.7	7.7
70°-80°	46.8	5.0
80°-90°	28.4	3.0
90°-100°	14.8	1.6
100°-110°	2.0	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°	375.8	40.2
0°-40°	524.3	56.0
0°-60°	771.9	82.5
0°-90°	918.8	98.2
90°-120°	16.8	1.8
90°-150°	16.8	1.8
90°-180°	17.0	1.8
0°-180°	935.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	810	
5°	811	76
15°	521	150
25°	321	149
35°	235	149
45°	185	142
55°	117	106
65°	71	72
75°	44	47
85°	26	23
90°	19	11
95°	14	10
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	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	809.7
2.5°	810.8
5°	810.8
7.5°	804.4
10°	766.1
12.5°	648.0
15°	521.4
17.5°	450.1
20°	396.9
22.5°	354.3
25°	321.3
27.5°	293.7
30°	270.3
32.5°	250.0
35°	235.1
37.5°	223.4
40°	212.8
42.5°	201.1
45°	185.1
47.5°	168.1
50°	150.0
52.5°	133.0
55°	117.0
57.5°	103.2
60°	91.5
62.5°	80.9
65°	71.3
67.5°	63.8
70°	56.4
72.5°	50.0
75°	43.6
77.5°	38.3
80°	34.0
82.5°	29.8
85°	25.5
87.5°	22.3
90°	19.2
92.5°	17.0
95°	13.8
97.5°	10.6
100°	6.4
102.5°	3.2
105°	1.1
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)