

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: P702711

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9027-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702711
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-40-D010 / 340-EU4C-3040-9027-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

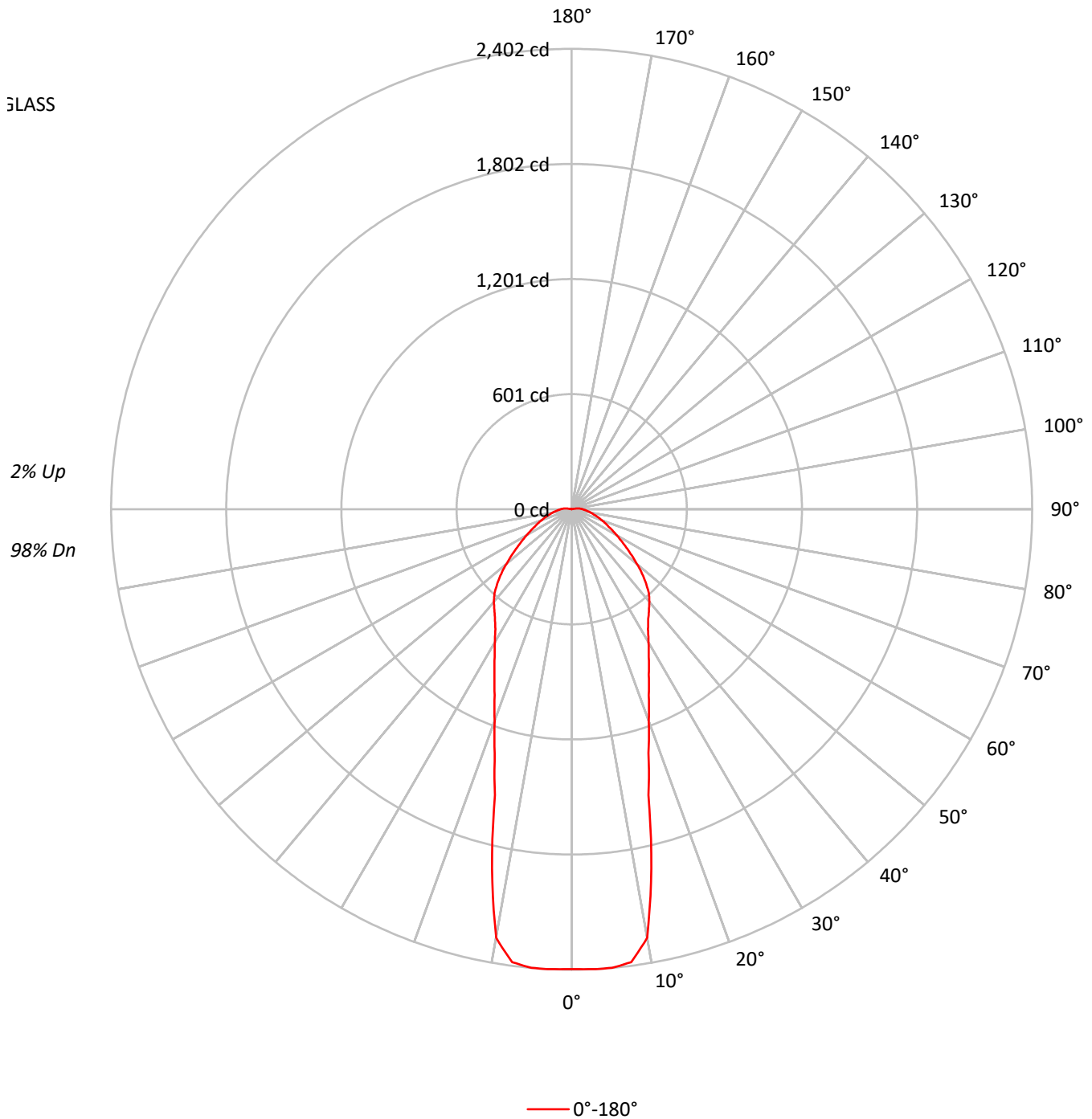
Lumens per Lamp: N/A
Luminaire Lumens: 2772.1 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 47
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°	156506
5°	140579
10°	121272
15°	76461
20°	54603
25°	41935
30°	33788
35°	28422
40°	25078
45°	21443
50°	17214
55°	13406
60°	10541
65°	8324
70°	6729
75°	5360
80°	4351
85°	3425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21443 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.8	8.1
10°-20°	445.8	16.1
20°-30°	441.7	15.9
30°-40°	440.1	15.9
40°-50°	420.1	15.2
50°-60°	313.5	11.3
60°-70°	212.5	7.7
70°-80°	138.6	5.0
80°-90°	84.2	3.0
90°-100°	43.9	1.6
100°-110°	5.9	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°	1113.3	40.2
0°-40°	1553.4	56.0
0°-60°	2287.0	82.5
0°-90°	2722.3	98.2
90°-120°	49.8	1.8
90°-150°	49.8	1.8
90°-180°	50.0	1.8
0°-180°	2772.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2399	
5°	2402	226
15°	1545	446
25°	952	442
35°	697	440
45°	548	420
55°	347	313
65°	211	213
75°	129	139
85°	76	67
90°	57	32
95°	41	29
105°	3	6
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°	2398.9
2.5°	2402.0
5°	2402.0
7.5°	2383.1
10°	2269.6
12.5°	1919.7
15°	1544.6
17.5°	1333.4
20°	1175.8
22.5°	1049.7
25°	952.0
27.5°	870.0
30°	800.7
32.5°	740.8
35°	696.7
37.5°	662.0
40°	630.5
42.5°	595.8
45°	548.5
47.5°	498.1
50°	444.5
52.5°	394.0
55°	346.8
57.5°	305.8
60°	271.1
62.5°	239.6
65°	211.2
67.5°	189.1
70°	167.1
72.5°	148.2
75°	129.2
77.5°	113.5
80°	100.9
82.5°	88.3
85°	75.7
87.5°	66.2
90°	56.7
92.5°	50.4
95°	41.0
97.5°	31.5
100°	18.9
102.5°	9.5
105°	3.2
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)