

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: P702192

Luminaire Tested: 340-4C-35-D010 / 340-EU4C-3040-9730-4LBW1LI-GCC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702192  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-4C-35-D010 / 340-EU4C-3040-9730-4LBW1LI-GCC  
Description: FARALLON 4" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE, CLEAR OUTSIDE GLA  
Light Source: 3000K CCT, 97 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

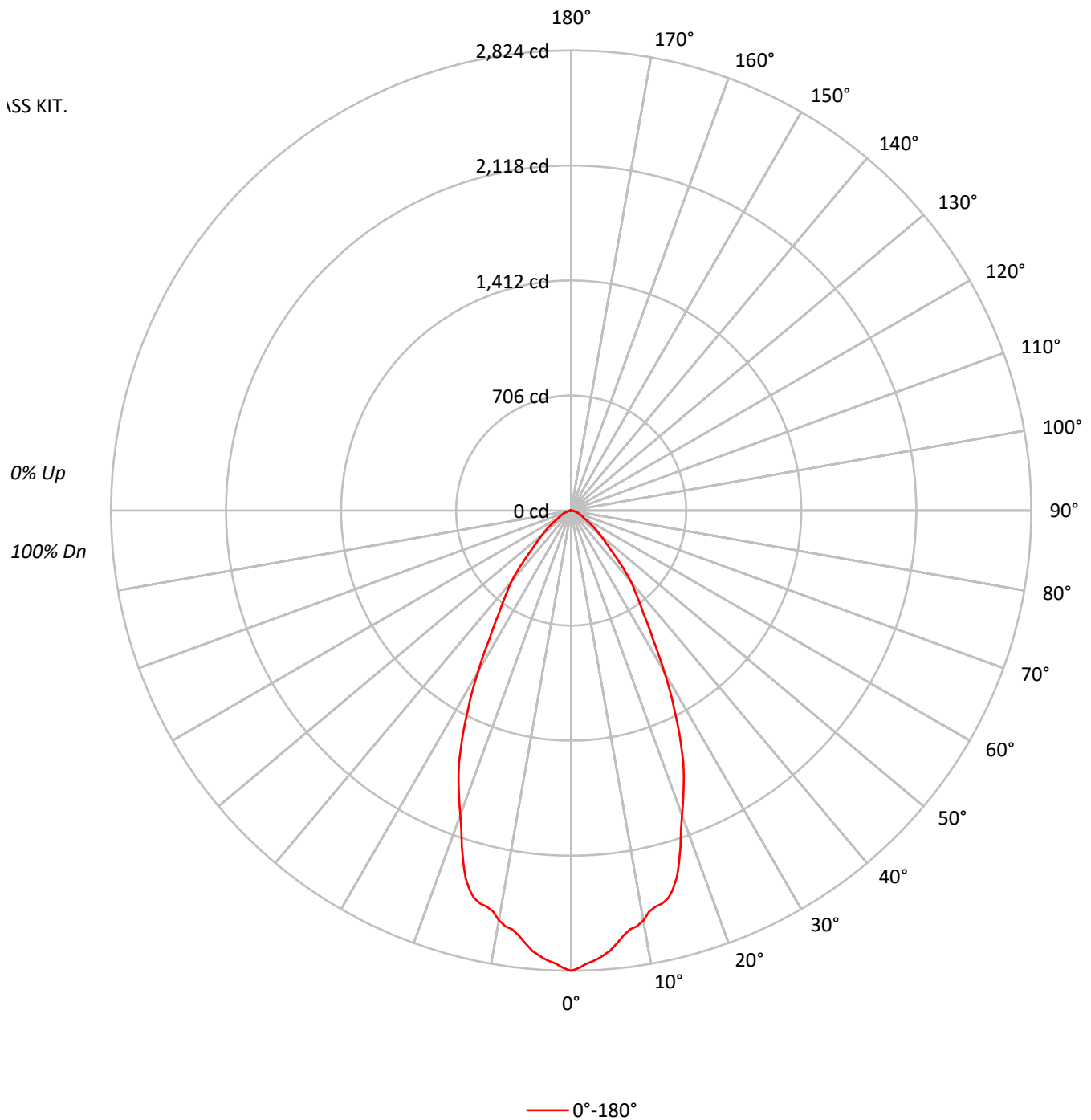
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2664.0 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.34' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 40.4  
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	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	94	93	91
2	106	101	96	92	104	99	95	91	95	92	89		92	89	87		89	87	85	83
3	100	93	87	83	98	91	86	82	88	84	80		86	82	79		84	81	78	76
4	94	86	79	75	92	85	79	74	82	77	73		80	76	72		78	75	72	70
5	89	80	73	68	87	79	72	68	77	71	67		75	70	67		73	69	66	64
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69	65	61	60
7	79	69	63	58	78	69	62	58	67	62	58		66	61	57		65	60	57	55
8	75	65	58	54	74	64	58	54	63	58	54		62	57	53		61	56	53	52
9	71	61	55	50	70	61	54	50	60	54	50		59	53	50		58	53	50	48
10	68	58	51	47	67	57	51	47	56	51	47		55	50	47		55	50	47	45

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	327502
5°	315969
10°	300685
15°	289200
20°	245348
25°	204680
30°	153211
35°	110001
40°	86801
45°	57573
50°	42060
55°	29786
60°	20506
65°	17646
70°	15430
75°	13220
80°	10754
85°	10646

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 57573 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.9	9.5
10°-20°	656.5	24.6
20°-30°	722.3	27.1
30°-40°	500.8	18.8
40°-50°	285.5	10.7
50°-60°	135.7	5.1
60°-70°	64.2	2.4
70°-80°	31.4	1.2
80°-90°	9.1	0.3
90°-100°	3.3	0.1
100°-110°	2.2	0.1
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°	1631.8	61.3
0°-40°	2132.5	80.1
0°-60°	2553.8	95.9
0°-90°	2658.5	99.8
90°-120°	5.5	0.2
90°-150°	5.5	0.2
90°-180°	5.0	0.2
0°-180°	2664.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2824	
5°	2714	253
15°	2408	657
25°	1599	722
35°	777	501
45°	351	286
55°	147	136
65°	64	64
75°	30	31
85°	8	8
90°	3	2
95°	3	3
105°	3	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

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2823.7
1°	2807.6
2°	2780.8
3°	2764.8
4°	2740.7
5°	2713.9
6°	2671.0
7°	2628.1
8°	2596.0
9°	2582.6
10°	2553.1
11°	2507.6
12°	2486.2
13°	2475.4
14°	2454.0
15°	2408.5
16°	2346.8
17°	2263.8
18°	2170.0
19°	2070.9
20°	1987.8
21°	1915.5
22°	1843.2
23°	1768.2
24°	1690.5
25°	1599.4
27.5°	1369.0
30°	1144.0
32.5°	932.3
35°	776.9
37.5°	664.4
40°	573.3
42.5°	458.1
45°	351.0
47.5°	281.3
50°	233.1
52.5°	190.2
55°	147.3
57.5°	112.5
60°	88.4
62.5°	75.0
65°	64.3
67.5°	53.6
70°	45.5
72.5°	37.5

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**CANDELA DISTRIBUTION (continued):**

	0°
75°	29.5
77.5°	21.4
80°	16.1
82.5°	10.7
85°	8.0
87.5°	5.4
90°	2.7
92.5°	2.7
95°	2.7
97.5°	2.7
100°	5.4
102.5°	2.7
105°	2.7
107.5°	0.0
110°	0.0
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)