

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: P702596

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9027-4LBW1LI-CQ

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702596  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-30-D010 / 340-EU4C-3040-9027-4LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

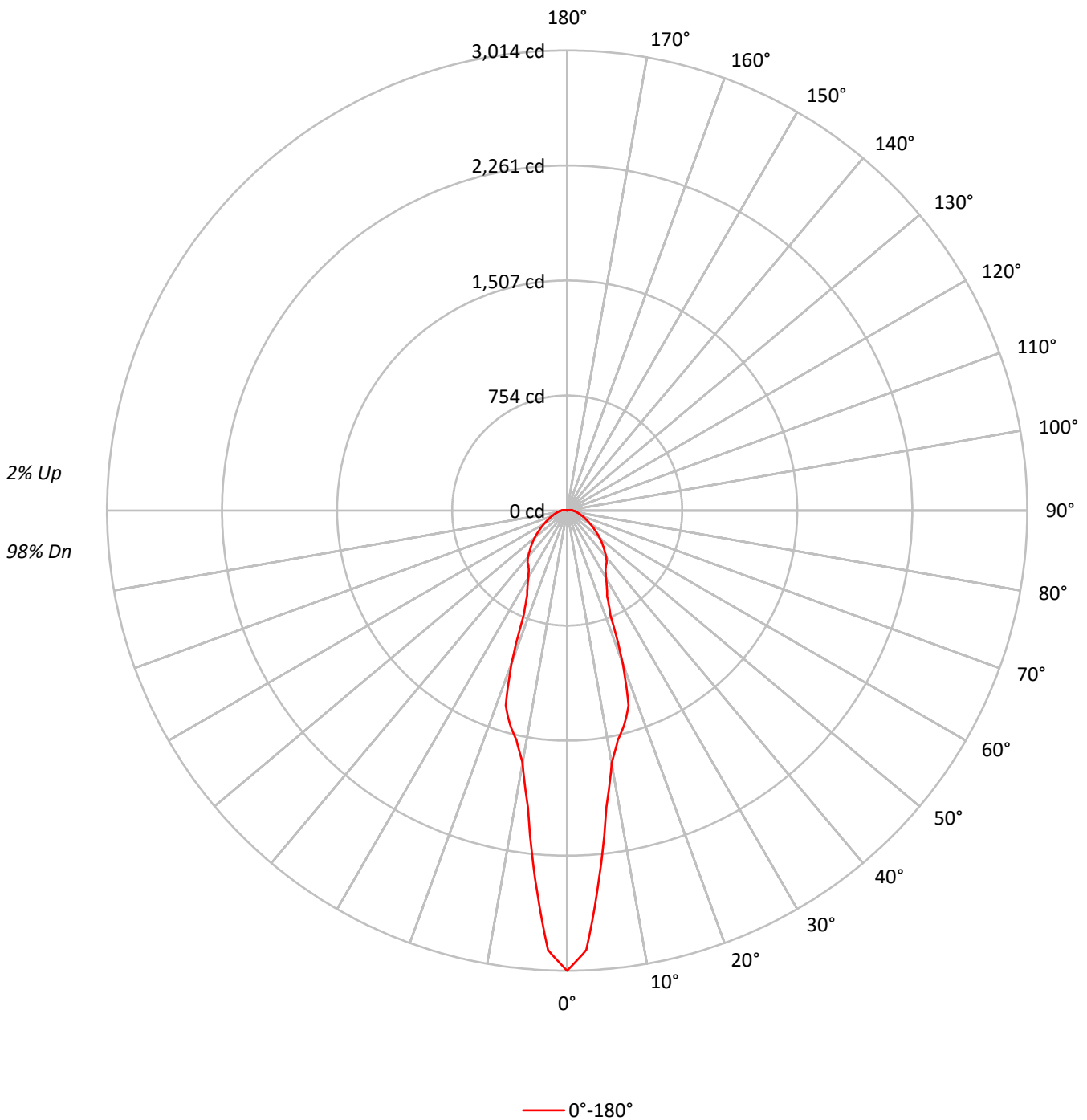
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1970.8 lumens  
Efficiency: N/A  
Efficacy: 62.4 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct  
  
Input Watts (W): 31.6  
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	110	105	102	98	107	103	100	97	98	96	93		94	92	90		90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81		85	82	78		82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71		78	73	70		75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63		72	67	62		69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57		66	61	57		64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48		58	52	48		56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45		54	48	44		53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42		51	45	41		50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39		48	43	39		47	42	39	37

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

	0°
0°	196648
5°	141264
10°	89629
15°	71758
20°	49365
25°	27368
30°	21458
35°	18023
40°	15834
45°	13132
50°	10781
55°	8539
60°	6801
65°	5352
70°	4261
75°	3435
80°	2777
85°	2289

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13132 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.3	10.5
10°-20°	395.9	20.1
20°-30°	307.3	15.6
30°-40°	279.6	14.2
40°-50°	259.3	13.2
50°-60°	199.6	10.1
60°-70°	136.6	6.9
70°-80°	88.7	4.5
80°-90°	55.2	2.8
90°-100°	32.0	1.6
100°-110°	10.1	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°	909.4	46.1
0°-40°	1189.0	60.3
0°-60°	1648.0	83.6
0°-90°	1928.4	97.8
90°-120°	42.4	2.2
90°-150°	42.4	2.2
90°-180°	42.0	2.1
0°-180°	1970.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3014	
5°	2414	206
15°	1450	396
25°	621	307
35°	442	280
45°	336	259
55°	221	200
65°	136	137
75°	83	89
85°	51	44
90°	37	21
95°	30	22
105°	9	10
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°	3014.2
2.5°	2880.8
5°	2413.7
7.5°	1962.7
10°	1677.4
12.5°	1537.0
15°	1449.6
17.5°	1336.8
20°	1063.0
22.5°	743.2
25°	621.3
27.5°	561.4
30°	508.5
32.5°	467.1
35°	441.8
37.5°	425.7
40°	398.1
42.5°	365.8
45°	335.9
47.5°	306.0
50°	278.4
52.5°	248.5
55°	220.9
57.5°	197.9
60°	174.9
62.5°	154.2
65°	135.8
67.5°	121.9
70°	105.8
72.5°	94.3
75°	82.8
77.5°	73.6
80°	64.4
82.5°	57.5
85°	50.6
87.5°	43.7
90°	36.8
92.5°	34.5
95°	29.9
97.5°	25.3
100°	18.4
102.5°	13.8
105°	9.2
107.5°	4.6
110°	2.3

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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)