

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: P702624

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9050-4LBW1LI-CQ

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702624  
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-3040-9050-4LBW1LI-CQ  
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.  
Light Source: 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

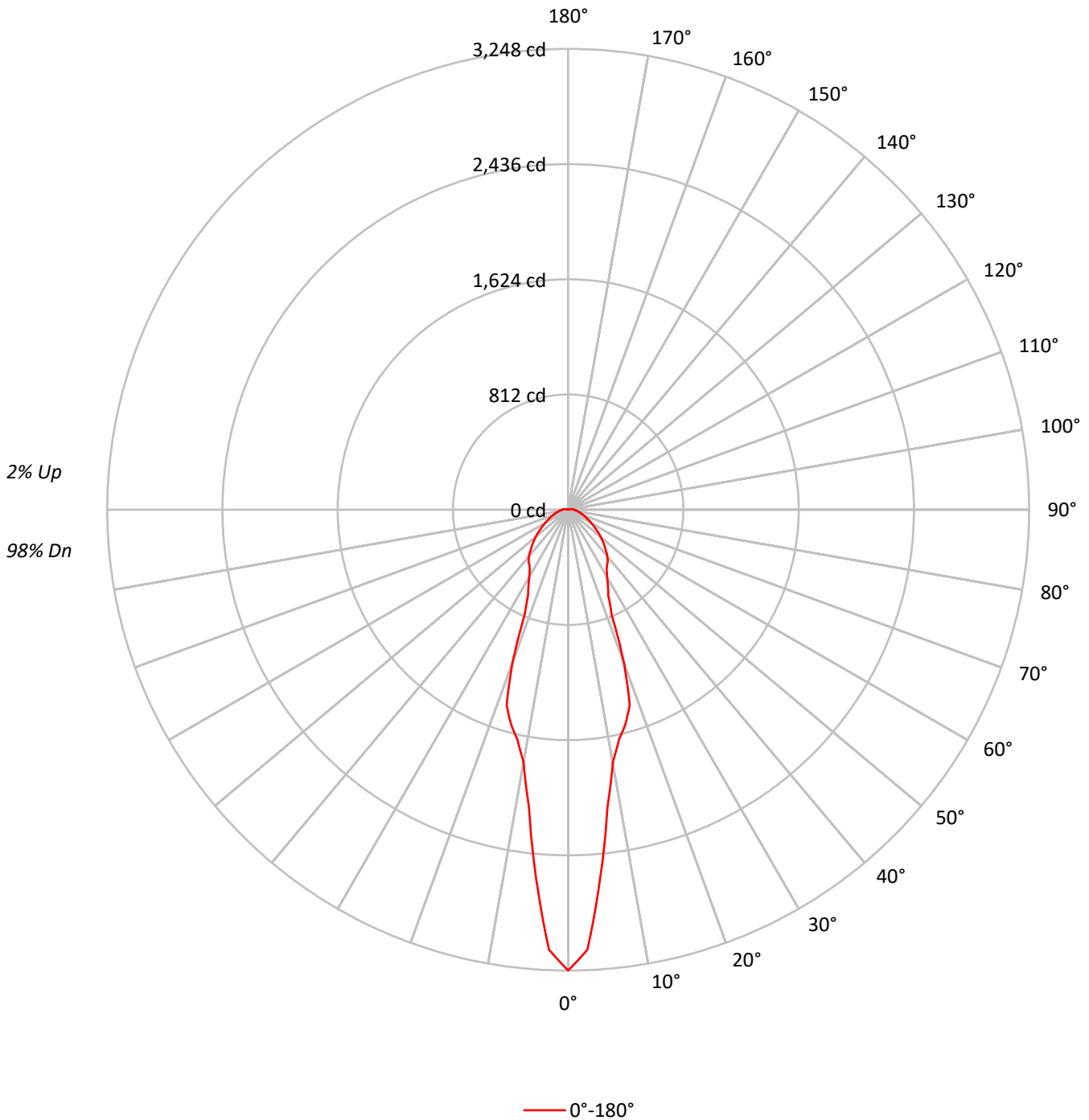
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2123.7 lumens  
Efficiency: N/A  
Efficacy: 67.2 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°	211895
5°	152214
10°	96575
15°	77322
20°	53196
25°	29486
30°	23120
35°	19418
40°	17059
45°	14152
50°	11618
55°	9200
60°	7326
65°	5766
70°	4591
75°	3705
80°	2992
85°	2466

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14152 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.3	10.5
10°-20°	426.6	20.1
20°-30°	331.1	15.6
30°-40°	301.2	14.2
40°-50°	279.5	13.2
50°-60°	215.1	10.1
60°-70°	147.2	6.9
70°-80°	95.6	4.5
80°-90°	59.5	2.8
90°-100°	34.5	1.6
100°-110°	10.9	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°	980.0	46.1
0°-40°	1281.2	60.3
0°-60°	1775.7	83.6
0°-90°	2078.0	97.8
90°-120°	45.7	2.2
90°-150°	45.7	2.2
90°-180°	46.0	2.2
0°-180°	2123.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3248	
5°	2601	222
15°	1562	427
25°	669	331
35°	476	301
45°	362	279
55°	238	215
65°	146	147
75°	89	96
85°	54	48
90°	40	22
95°	32	24
105°	10	11
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°	3247.9
2.5°	3104.1
5°	2600.8
7.5°	2114.9
10°	1807.4
12.5°	1656.2
15°	1562.0
17.5°	1440.5
20°	1145.5
22.5°	800.8
25°	669.4
27.5°	605.0
30°	547.9
32.5°	503.3
35°	476.0
37.5°	458.7
40°	428.9
42.5°	394.2
45°	362.0
47.5°	329.8
50°	300.0
52.5°	267.8
55°	238.0
57.5°	213.2
60°	188.4
62.5°	166.1
65°	146.3
67.5°	131.4
70°	114.0
72.5°	101.7
75°	89.3
77.5°	79.3
80°	69.4
82.5°	62.0
85°	54.5
87.5°	47.1
90°	39.7
92.5°	37.2
95°	32.2
97.5°	27.3
100°	19.8
102.5°	14.9
105°	9.9
107.5°	5.0
110°	2.5

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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)