

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: P702619

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9040-4LBW1LI-GCC

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702619  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/30/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 340-6C-30-D010 / 340-EU4C-3040-9040-4LBW1LI-GCC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE, CLEAR OUTSIDE GLA  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

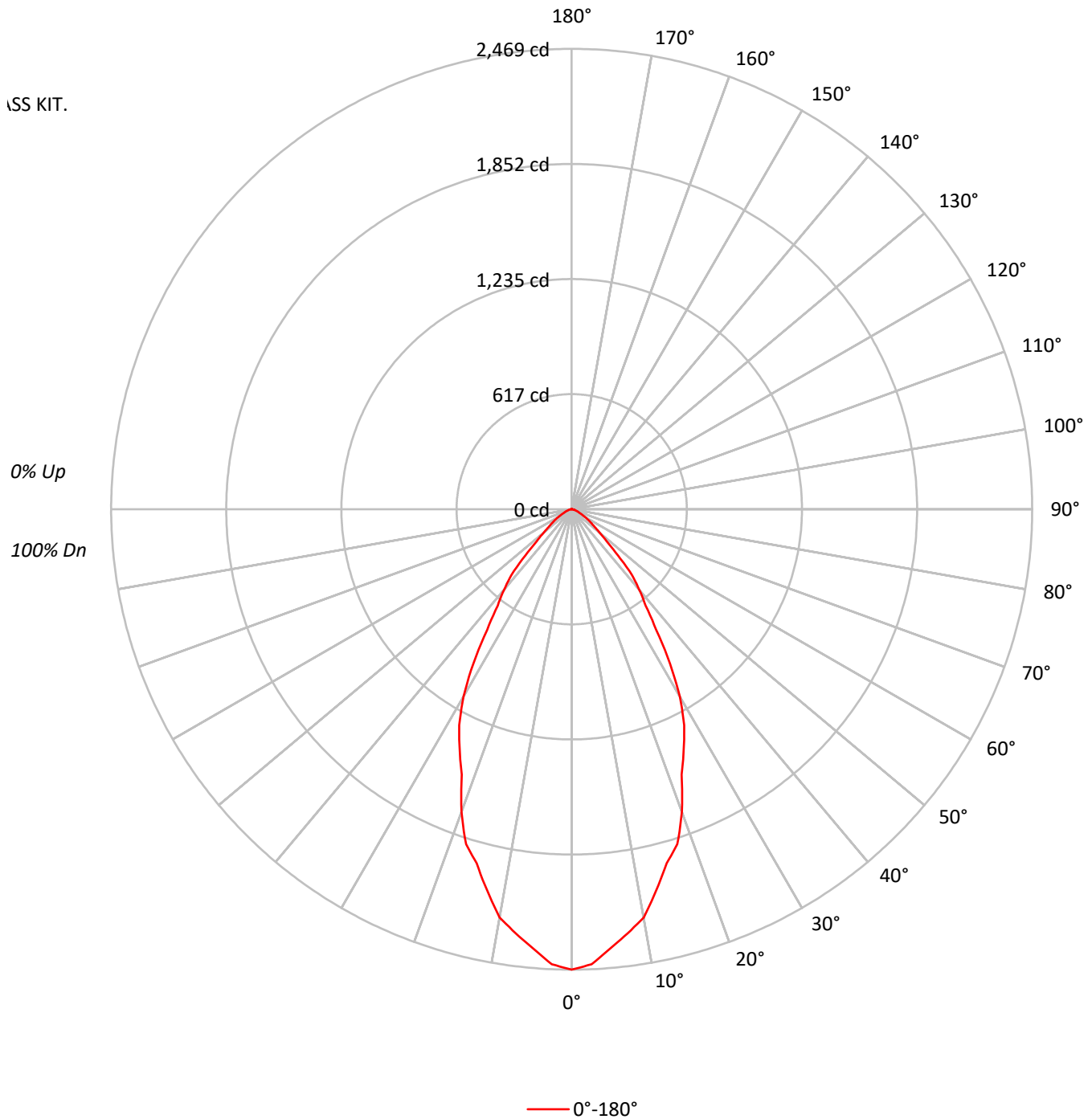
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2413.0 lumens  
Efficiency: N/A  
Efficacy: 76.4 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.89  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
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

TEST NUMBER: P702619

CATALOG NUMBER: 340-6C-30-D010 / 340-EU4C-3040-9040-4LBW1LI-GCC

### Luminous Intensity Polar Plot



TEST NUMBER: P702619

CATALOG NUMBER: 340-6C-30-D010 / 340-EU4C-3040-9040-4LBW1LI-GCC

**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	95	93	92
2	106	101	96	92	104	99	95	91	95	92	89		92	90	87		90	87	85	83
3	100	93	87	83	98	91	86	82	88	84	81		86	82	79		84	81	78	76
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	74	71	70
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69	64	61	59
7	79	69	62	58	78	68	62	57	67	61	57		66	60	57		64	60	56	55
8	75	64	58	53	74	64	58	53	63	57	53		62	56	53		61	56	52	51
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57	52	49	48
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54	49	46	44

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

	0°
0°	161060
5°	154838
10°	147287
15°	132774
20°	119943
25°	102327
30°	87311
35°	62895
40°	48008
45°	32283
50°	19974
55°	14377
60°	10465
65°	7132
70°	6028
75°	4890
80°	4546
85°	3668

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 32283 cd/sqm

TEST NUMBER: P702619

CATALOG NUMBER: 340-6C-30-D010 / 340-EU4C-3040-9040-4LBW1LI-GCC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.5	9.2
10°-20°	554.4	23.0
20°-30°	653.6	27.1
30°-40°	508.1	21.1
40°-50°	278.7	11.6
50°-60°	116.2	4.8
60°-70°	49.2	2.0
70°-80°	21.1	0.9
80°-90°	5.9	0.2
90°-100°	2.6	0.1
100°-110°	1.6	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°	1429.5	59.2
0°-40°	1937.6	80.3
0°-60°	2332.6	96.7
0°-90°	2408.8	99.8
90°-120°	4.2	0.2
90°-150°	4.2	0.2
90°-180°	4.0	0.2
0°-180°	2413.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2469	
5°	2364	221
15°	1966	554
25°	1422	654
35°	790	508
45°	350	279
55°	126	116
65°	46	49
75°	19	21
85°	5	5
90°	2	1
95°	2	2
105°	2	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

TEST NUMBER: P702619

CATALOG NUMBER: 340-6C-30-D010 / 340-EU4C-3040-9040-4LBW1LI-GCC

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2468.7
2.5°	2442.0
5°	2364.3
7.5°	2293.8
10°	2223.3
12.5°	2094.5
15°	1965.8
17.5°	1883.1
20°	1727.6
22.5°	1540.5
25°	1421.5
27.5°	1304.8
30°	1159.0
32.5°	981.7
35°	789.7
37.5°	651.2
40°	563.7
42.5°	478.7
45°	349.9
47.5°	252.7
50°	196.8
52.5°	155.5
55°	126.4
57.5°	102.1
60°	80.2
62.5°	58.3
65°	46.2
67.5°	38.9
70°	31.6
72.5°	24.3
75°	19.4
77.5°	14.6
80°	12.1
82.5°	7.3
85°	4.9
87.5°	2.4
90°	2.4
92.5°	2.4
95°	2.4
97.5°	2.4
100°	2.4
102.5°	2.4
105°	2.4
107.5°	0.0
110°	0.0

TEST NUMBER: P702619

CATALOG NUMBER: 340-6C-30-D010 / 340-EU4C-3040-9040-4LBW1LI-GCC

**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)