

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: P702620

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

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702620
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-30-D010 / 340-EU4C-3040-9040-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

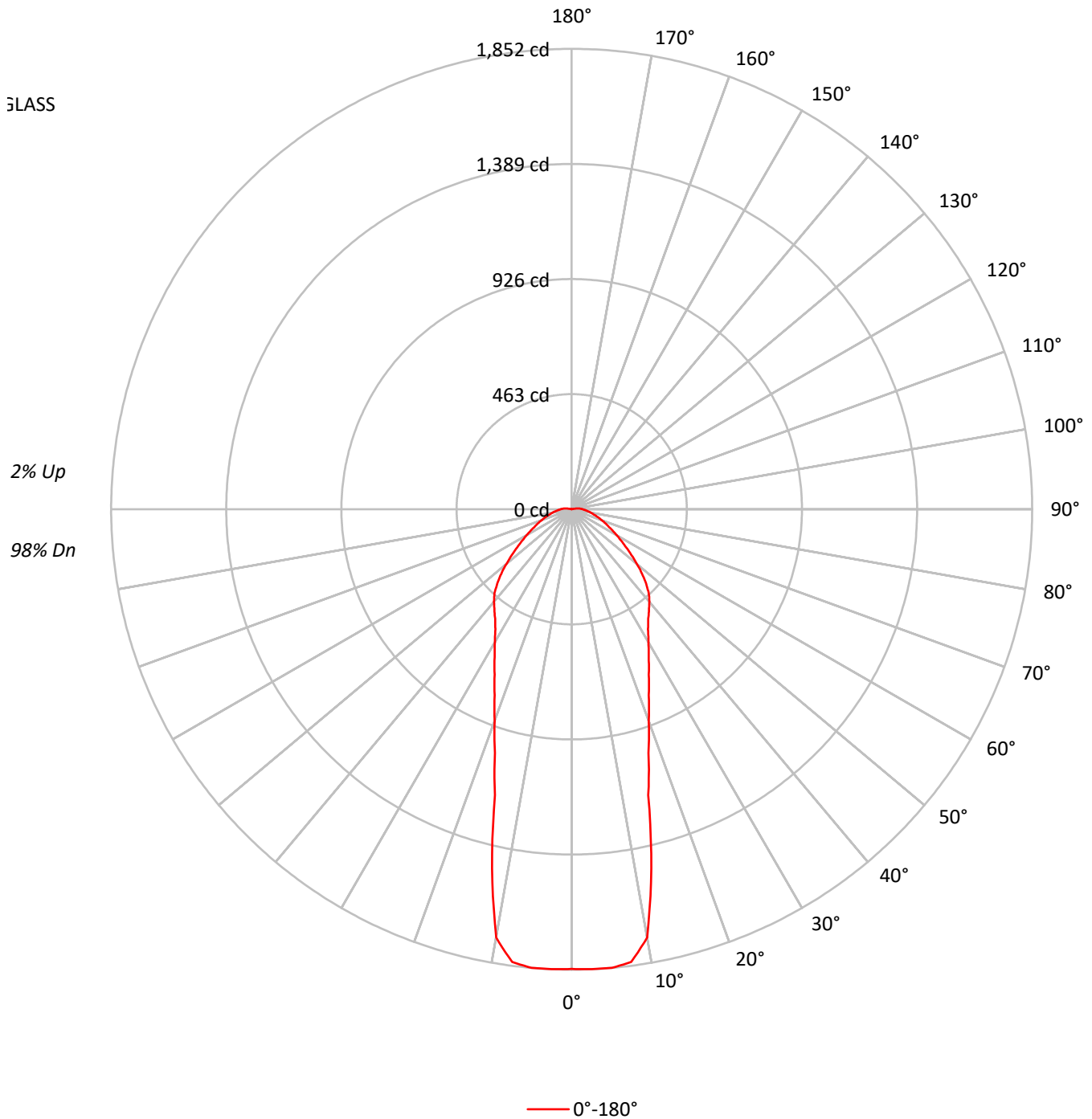
Lumens per Lamp: N/A
Luminaire Lumens: 2136.7 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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: P702620

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

Luminous Intensity Polar Plot



TEST NUMBER: P702620

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

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°	120636
5°	108367
10°	93481
15°	58937
20°	42088
25°	32323
30°	26045
35°	21907
40°	19330
45°	16529
50°	13268
55°	10333
60°	8127
65°	6417
70°	5187
75°	4132
80°	3355
85°	2638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16529 cd/sqm

TEST NUMBER: P702620

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.1	8.1
10°-20°	343.7	16.1
20°-30°	340.4	15.9
30°-40°	339.2	15.9
40°-50°	323.8	15.2
50°-60°	241.6	11.3
60°-70°	163.8	7.7
70°-80°	106.8	5.0
80°-90°	64.9	3.0
90°-100°	33.8	1.6
100°-110°	4.6	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°	858.2	40.2
0°-40°	1197.4	56.0
0°-60°	1762.8	82.5
0°-90°	2098.3	98.2
90°-120°	38.4	1.8
90°-150°	38.4	1.8
90°-180°	38.0	1.8
0°-180°	2136.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1849	
5°	1852	174
15°	1191	344
25°	734	340
35°	537	339
45°	423	324
55°	267	242
65°	163	164
75°	100	107
85°	58	52
90°	44	24
95°	32	23
105°	2	5
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

TEST NUMBER: P702620

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	1849.1
2.5°	1851.6
5°	1851.6
7.5°	1837.0
10°	1749.5
12.5°	1479.8
15°	1190.6
17.5°	1027.8
20°	906.3
22.5°	809.1
25°	733.8
27.5°	670.6
30°	617.2
32.5°	571.0
35°	537.0
37.5°	510.3
40°	486.0
42.5°	459.2
45°	422.8
47.5°	383.9
50°	342.6
52.5°	303.7
55°	267.3
57.5°	235.7
60°	209.0
62.5°	184.7
65°	162.8
67.5°	145.8
70°	128.8
72.5°	114.2
75°	99.6
77.5°	87.5
80°	77.8
82.5°	68.0
85°	58.3
87.5°	51.0
90°	43.7
92.5°	38.9
95°	31.6
97.5°	24.3
100°	14.6
102.5°	7.3
105°	2.4
107.5°	0.0
110°	0.0

TEST NUMBER: P702620

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

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)