

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: P702575

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9727-4LBW1LI-CQ

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702575
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-25-D010 / 340-EU4C-3040-9727-4LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: 2700K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

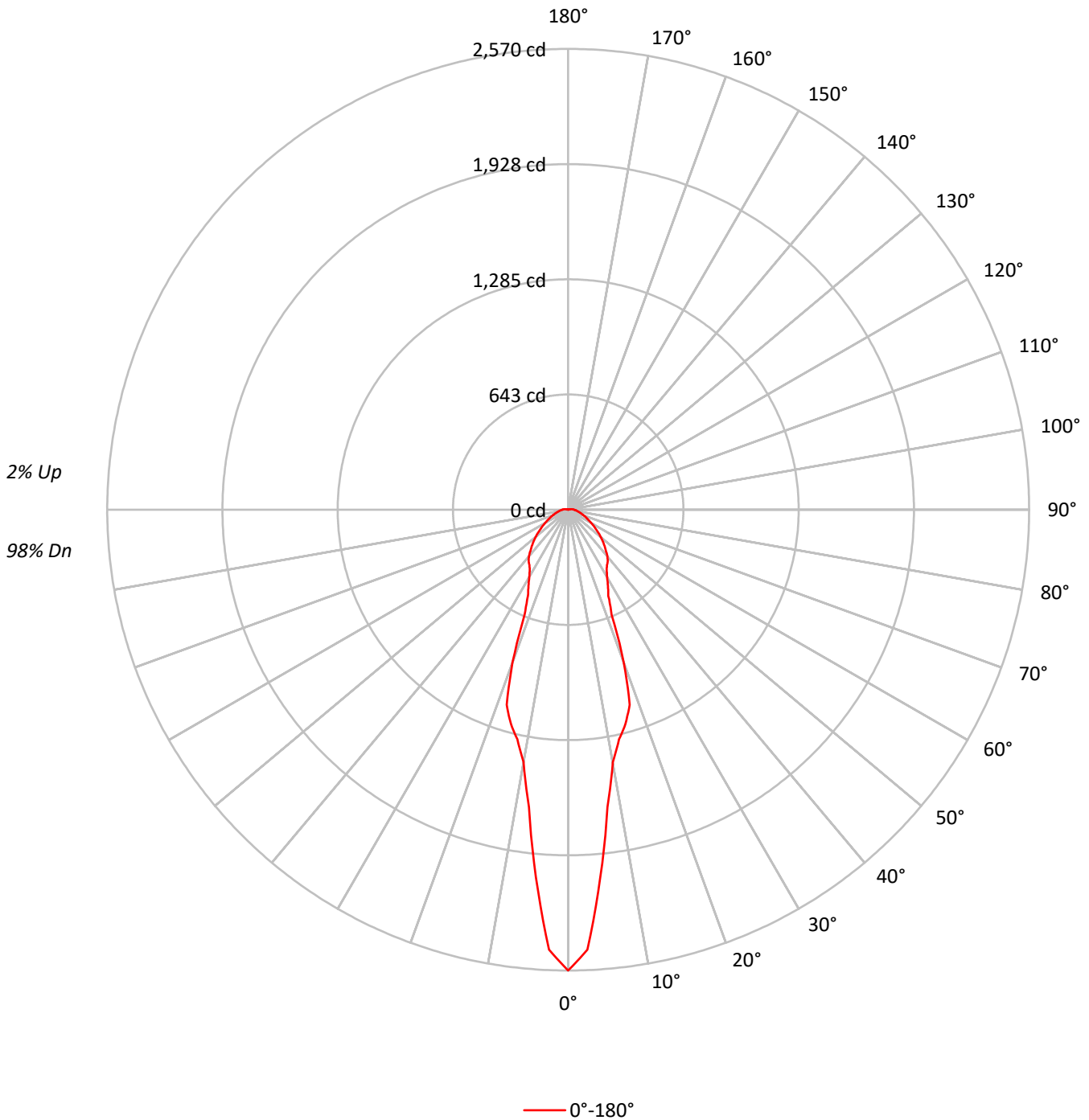
Lumens per Lamp: N/A
Luminaire Lumens: 1680.3 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.5
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: P702575

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9727-4LBW1LI-CQ

Luminous Intensity Polar Plot



TEST NUMBER: P702575

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9727-4LBW1LI-CQ

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°	167662
5°	120440
10°	76415
15°	61180
20°	42088
25°	23333
30°	18293
35°	15367
40°	13499
45°	11197
50°	9194
55°	7279
60°	5798
65°	4560
70°	3632
75°	2929
80°	2367
85°	1954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11197 cd/sqm

TEST NUMBER: P702575

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9727-4LBW1LI-CQ

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.9	10.5
10°-20°	337.5	20.1
20°-30°	262.0	15.6
30°-40°	238.3	14.2
40°-50°	221.1	13.2
50°-60°	170.2	10.1
60°-70°	116.5	6.9
70°-80°	75.6	4.5
80°-90°	47.1	2.8
90°-100°	27.3	1.6
100°-110°	8.6	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°	775.4	46.1
0°-40°	1013.7	60.3
0°-60°	1405.0	83.6
0°-90°	1644.1	97.8
90°-120°	36.2	2.2
90°-150°	36.2	2.2
90°-180°	36.0	2.1
0°-180°	1680.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2570	
5°	2058	176
15°	1236	338
25°	530	262
35°	377	238
45°	286	221
55°	188	170
65°	116	116
75°	71	76
85°	43	38
90°	31	18
95°	26	19
105°	8	9
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: P702575

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9727-4LBW1LI-CQ

CANDELA DISTRIBUTION (FULL):

0°	
0°	2569.9
2.5°	2456.1
5°	2057.9
7.5°	1673.4
10°	1430.1
12.5°	1310.4
15°	1235.9
17.5°	1139.8
20°	906.3
22.5°	633.6
25°	529.7
27.5°	478.7
30°	433.5
32.5°	398.2
35°	376.7
37.5°	362.9
40°	339.4
42.5°	311.9
45°	286.4
47.5°	260.9
50°	237.4
52.5°	211.9
55°	188.3
57.5°	168.7
60°	149.1
62.5°	131.4
65°	115.7
67.5°	104.0
70°	90.2
72.5°	80.4
75°	70.6
77.5°	62.8
80°	54.9
82.5°	49.0
85°	43.2
87.5°	37.3
90°	31.4
92.5°	29.4
95°	25.5
97.5°	21.6
100°	15.7
102.5°	11.8
105°	7.8
107.5°	3.9
110°	2.0

TEST NUMBER: P702575

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9727-4LBW1LI-CQ

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)