

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: P702069

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

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-4C-25-D010 / 340-EU4C-3040-9727-4LBW1LI-CC
Description: FARALLON 4" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.
Light Source: 2700K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

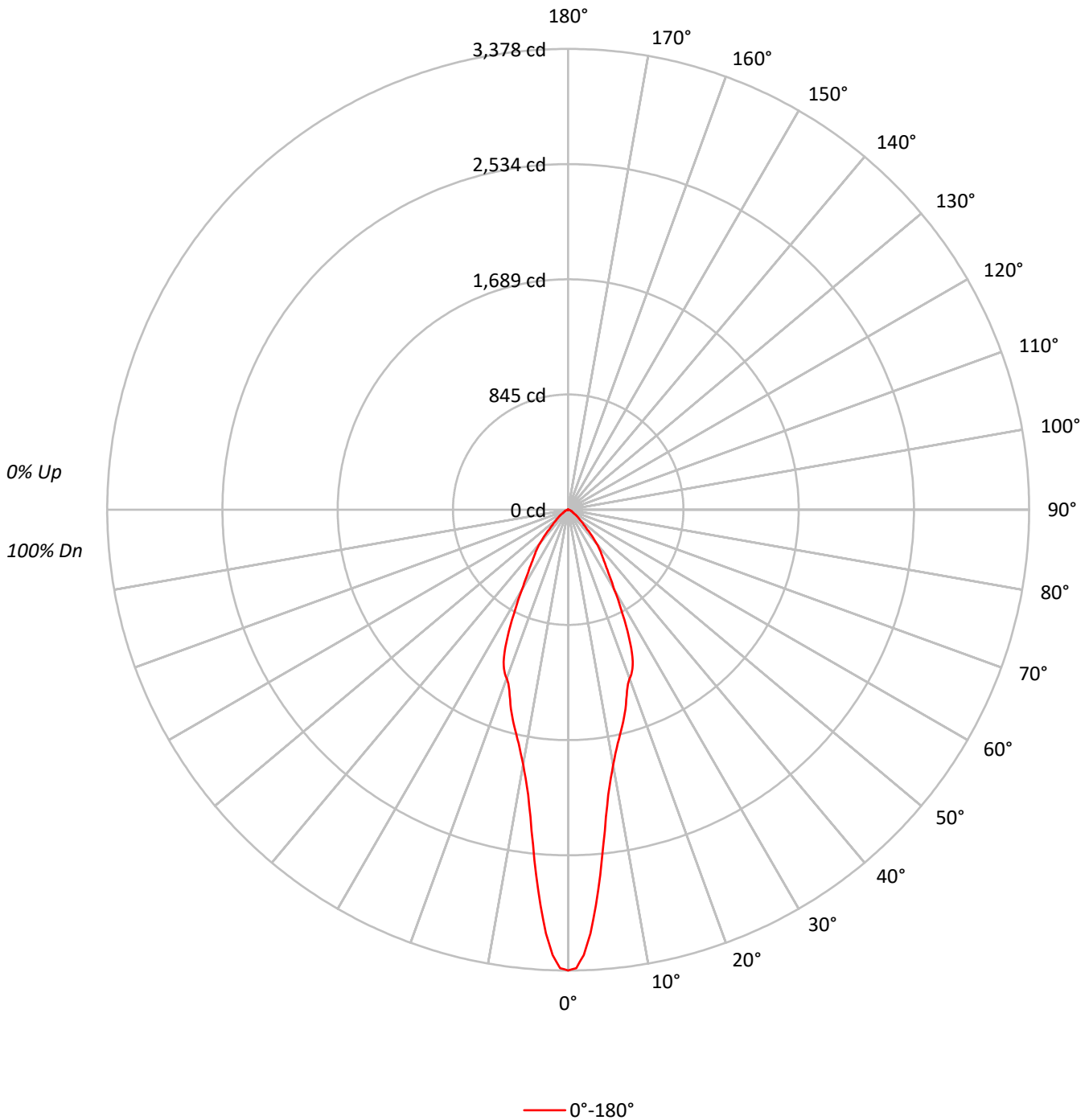
Lumens per Lamp: N/A
Luminaire Lumens: 1688.9 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.64
Luminous Opening: Circular (Dia: 0.34' x H: 0')
CIE Type: Direct

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: P702069

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

Luminous Intensity Polar Plot



TEST NUMBER: P702069

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

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	110	108	105	111	108	106	103	104	102	100		100	99	97		97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		86	83	81	79
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		81	78	75	73
5	91	82	76	72	89	82	76	72	80	75	71		78	74	70		76	73	70	68
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72	68	65	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65	61	57	56
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		62	57	54	53
10	71	62	56	52	70	61	55	52	60	55	52		59	55	51		59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	391768
5°	312930
10°	223662
15°	189622
20°	162541
25°	137584
30°	90427
35°	64522
40°	49282
45°	28983
50°	19126
55°	13912
60°	9070
65°	8178
70°	6952
75°	5019
80°	3740
85°	2528

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28983 cd/sqm

TEST NUMBER: P702069

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.5	13.5
10°-20°	439.2	26.0
20°-30°	474.3	28.1
30°-40°	293.0	17.3
40°-50°	146.8	8.7
50°-60°	61.5	3.6
60°-70°	29.0	1.7
70°-80°	12.8	0.8
80°-90°	2.8	0.2
90°-100°	0.3	0.0
100°-110°	0.8	0.0
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°	1142.0	67.6
0°-40°	1435.0	85.0
0°-60°	1643.3	97.3
0°-90°	1687.9	99.9
90°-120°	1.0	0.1
90°-150°	1.0	0.1
90°-180°	1.0	0.1
0°-180°	1688.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3378	
5°	2688	229
15°	1579	439
25°	1075	474
35°	456	293
45°	177	147
55°	69	62
65°	30	29
75°	11	13
85°	2	3
90°	0	0
95°	0	1
105°	0	1
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: P702069

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	3377.8
1°	3361.1
2°	3266.2
3°	3110.0
4°	2907.2
5°	2687.8
6°	2468.3
7°	2269.2
8°	2111.1
9°	1992.1
10°	1899.1
11°	1819.1
12°	1750.3
13°	1690.8
14°	1636.8
15°	1579.2
16°	1521.5
17°	1456.4
18°	1396.9
19°	1348.5
20°	1316.9
21°	1290.9
22°	1257.4
23°	1210.9
24°	1147.6
25°	1075.1
27.5°	864.9
30°	675.2
32.5°	545.0
35°	455.7
37.5°	390.6
40°	325.5
42.5°	243.7
45°	176.7
47.5°	133.9
50°	106.0
52.5°	87.4
55°	68.8
57.5°	48.4
60°	39.1
62.5°	33.5
65°	29.8
67.5°	24.2
70°	20.5
72.5°	14.9

TEST NUMBER: P702069

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

CANDELA DISTRIBUTION (continued):

	0°
75°	11.2
77.5°	9.3
80°	5.6
82.5°	3.7
85°	1.9
87.5°	1.9
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	1.9
102.5°	1.9
105°	0.0
107.5°	0.0
110°	0.0
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)