

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: P702363

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9024-4LBW1LI-CC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-11)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-10-D010 / 340-EU4C-1020-9024-4LBW1LI-CC
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

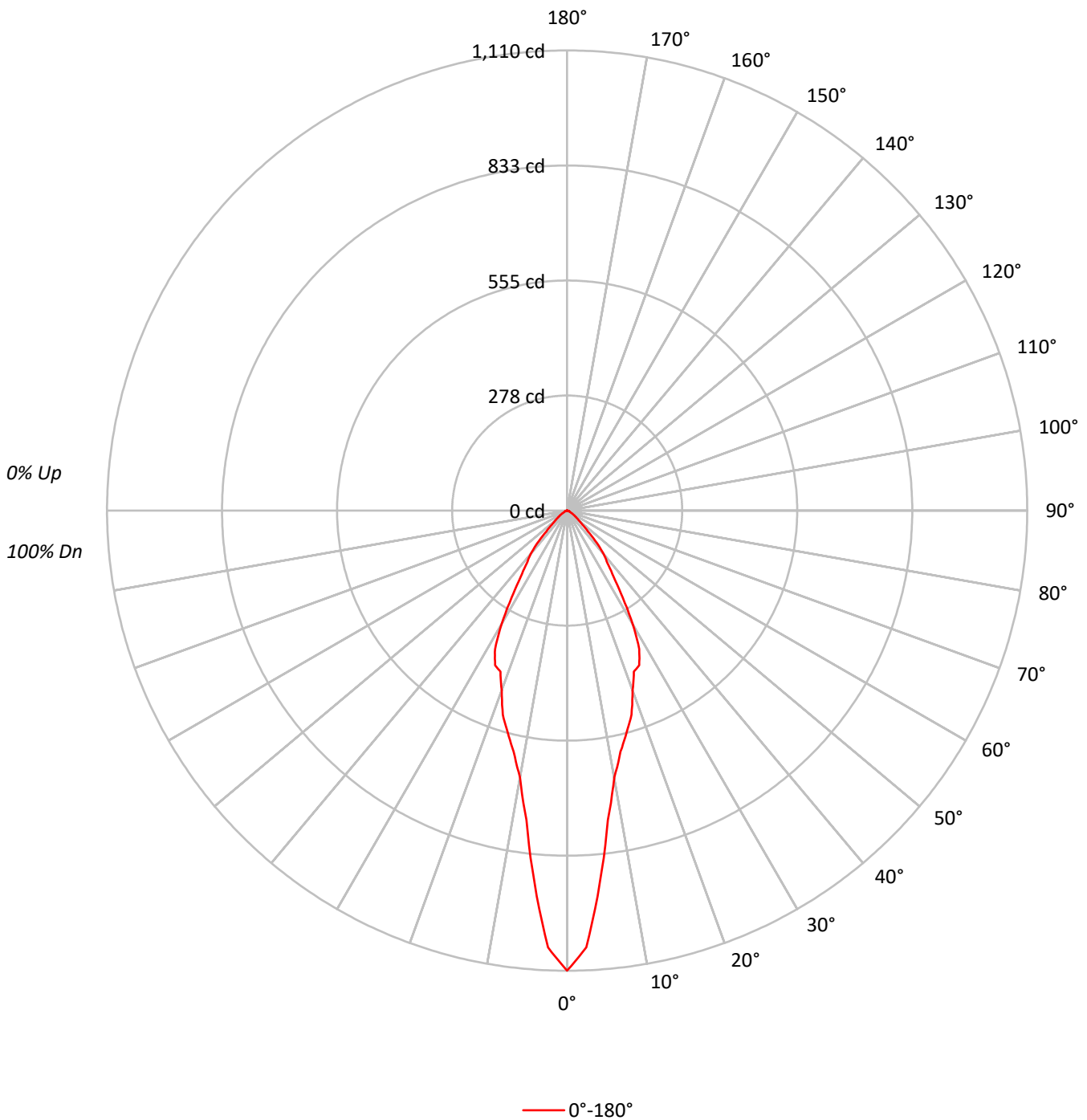
Lumens per Lamp: N/A
Luminaire Lumens: 637.5 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.71
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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: P702363

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9024-4LBW1LI-CC

Luminous Intensity Polar Plot



TEST NUMBER: P702363

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9024-4LBW1LI-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	104	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	84	90	86	83		88	85	82		86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76		83	79	75		81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	71	66	85	76	70	66	74	69	65		73	68	65		72	68	64	63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	61		68	63	60	59
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64	60	56	55
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61	56	53	52
10	70	60	54	50	69	60	54	50	59	54	50		58	53	50		58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72398
5°	59111
10°	43319
15°	37405
20°	32034
25°	29615
30°	23873
35°	15499
40°	11719
45°	6542
50°	3806
55°	2525
60°	1722
65°	1065
70°	935
75°	706
80°	526
85°	524

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6542 cd/sqm

TEST NUMBER: P702363

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9024-4LBW1LI-CC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	12.2
10°-20°	155.0	24.3
20°-30°	183.2	28.7
30°-40°	128.2	20.1
40°-50°	59.8	9.4
50°-60°	20.8	3.3
60°-70°	7.9	1.2
70°-80°	3.2	0.5
80°-90°	0.8	0.1
90°-100°	0.5	0.1
100°-110°	0.3	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°	416.2	65.3
0°-40°	544.4	85.4
0°-60°	625.0	98.0
0°-90°	636.9	99.9
90°-120°	0.8	0.1
90°-150°	0.8	0.1
90°-180°	1.0	0.2
0°-180°	637.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1110	
5°	903	78
15°	554	155
25°	411	183
35°	195	128
45°	71	60
55°	22	21
65°	7	8
75°	3	3
85°	1	1
90°	0	0
95°	0	0
105°	0	0
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: P702363

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9024-4LBW1LI-CC

CANDELA DISTRIBUTION (FULL):

0°	
0°	1109.7
2.5°	1054.8
5°	902.6
7.5°	752.5
10°	653.9
12.5°	595.5
15°	553.8
17.5°	516.3
20°	461.4
22.5°	420.4
25°	411.4
27.5°	376.6
30°	316.9
32.5°	249.5
35°	194.6
37.5°	159.1
40°	137.6
42.5°	107.0
45°	70.9
47.5°	49.3
50°	37.5
52.5°	28.5
55°	22.2
57.5°	17.4
60°	13.2
62.5°	9.7
65°	6.9
67.5°	6.3
70°	4.9
72.5°	4.2
75°	2.8
77.5°	2.1
80°	1.4
82.5°	0.7
85°	0.7
87.5°	0.7
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.7
100°	0.7
102.5°	0.7
105°	0.0
107.5°	0.0
110°	0.0

TEST NUMBER: P702363

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9024-4LBW1LI-CC

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)