

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: P702370

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9027-4LBW1LI-CC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702370
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-1020-9027-4LBW1LI-CC
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

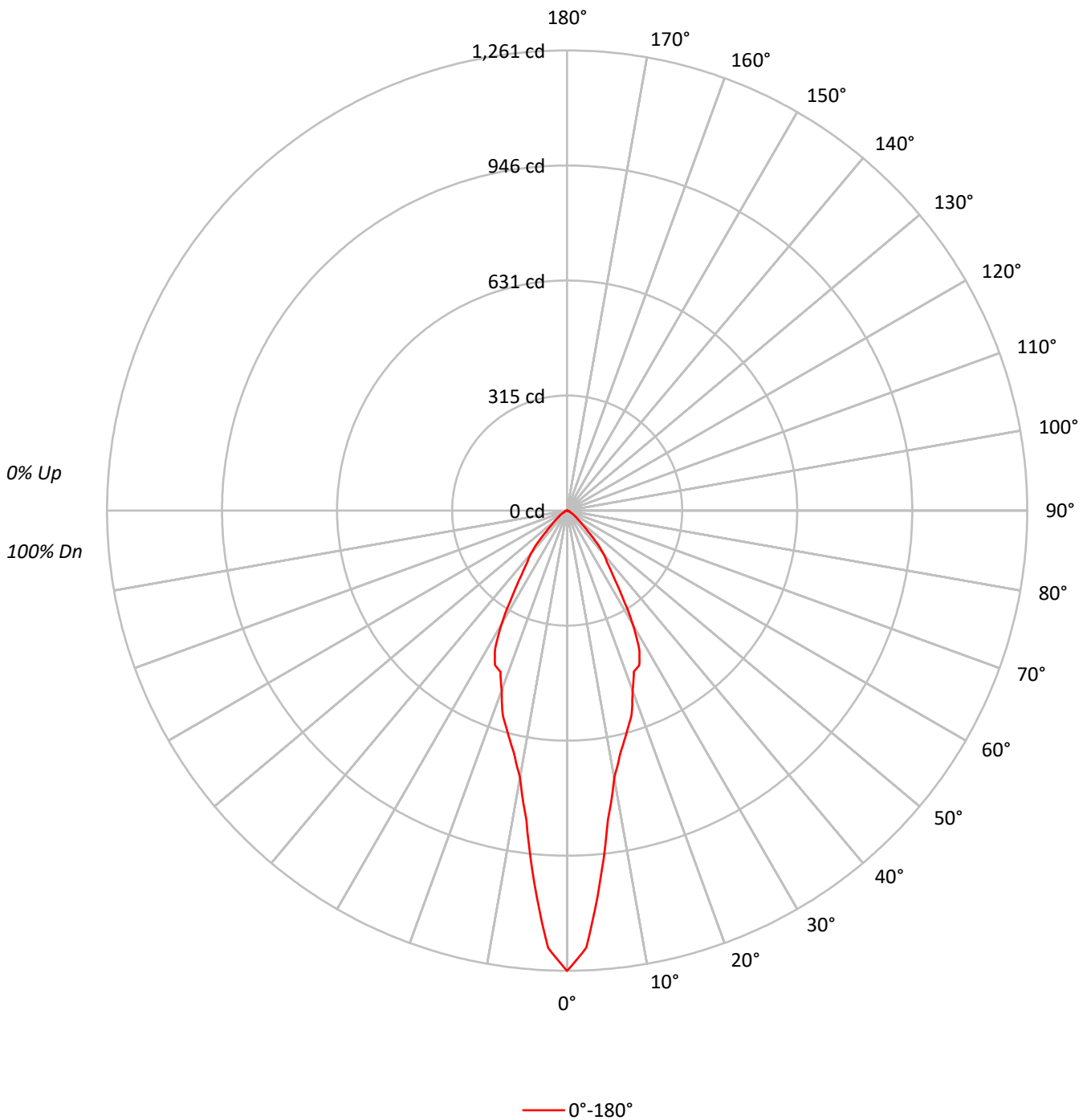
Lumens per Lamp: N/A
Luminaire Lumens: 724.6 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.71
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

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: P702370

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Luminous Intensity Polar Plot



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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		61	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°	82295
5°	67193
10°	49235
15°	42518
20°	36408
25°	33660
30°	27135
35°	17617
40°	13320
45°	7436
50°	4334
55°	2878
60°	1957
65°	1220
70°	1049
75°	807
80°	601
85°	599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7436 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	12.2
10°-20°	176.1	24.3
20°-30°	208.2	28.7
30°-40°	145.7	20.1
40°-50°	68.0	9.4
50°-60°	23.6	3.3
60°-70°	9.0	1.2
70°-80°	3.6	0.5
80°-90°	0.9	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°	473.1	65.3
0°-40°	618.8	85.4
0°-60°	710.4	98.0
0°-90°	723.9	99.9
90°-120°	0.9	0.1
90°-150°	0.9	0.1
90°-180°	1.0	0.1
0°-180°	724.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1261	
5°	1026	89
15°	630	176
25°	468	208
35°	221	146
45°	81	68
55°	25	24
65°	8	9
75°	3	4
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

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CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9027-4LBW1LI-CC

CANDELA DISTRIBUTION (FULL):

0°	
0°	1261.4
2.5°	1199.0
5°	1026.0
7.5°	855.4
10°	743.2
12.5°	676.9
15°	629.5
17.5°	586.8
20°	524.4
22.5°	477.8
25°	467.6
27.5°	428.1
30°	360.2
32.5°	283.5
35°	221.2
37.5°	180.9
40°	156.4
42.5°	121.6
45°	80.6
47.5°	56.1
50°	42.7
52.5°	32.4
55°	25.3
57.5°	19.7
60°	15.0
62.5°	11.1
65°	7.9
67.5°	7.1
70°	5.5
72.5°	4.7
75°	3.2
77.5°	2.4
80°	1.6
82.5°	0.8
85°	0.8
87.5°	0.8
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.8
100°	0.8
102.5°	0.8
105°	0.0
107.5°	0.0
110°	0.0

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CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9027-4LBW1LI-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)