

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: P702260

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-CQ

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702260
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-05-D010 / 340-EU4C-1020-9027-4LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

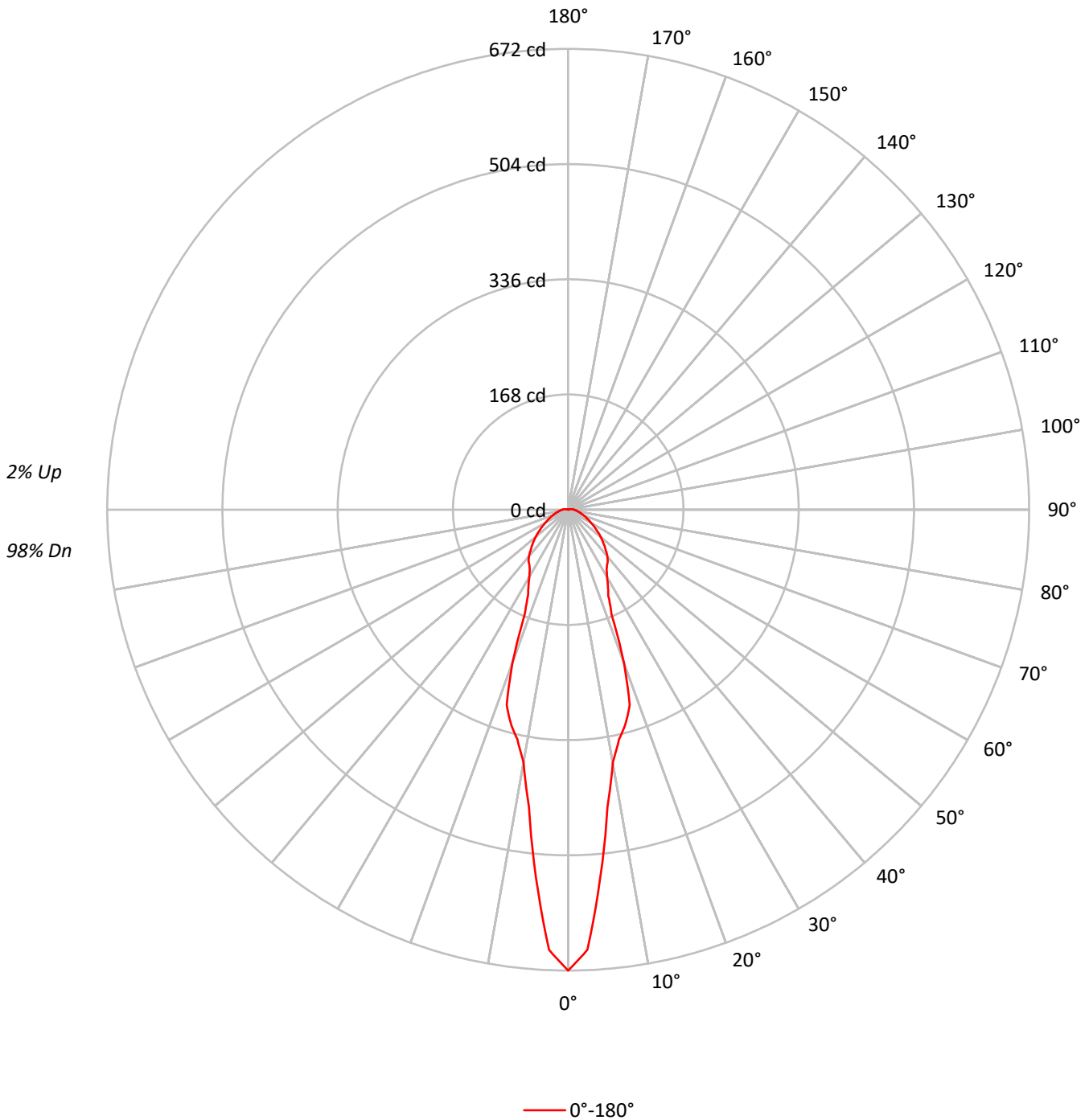
Lumens per Lamp: N/A
Luminaire Lumens: 439.5 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 7.2
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

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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	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°	43848
5°	31499
10°	19984
15°	15999
20°	11006
25°	6101
30°	4785
35°	4018
40°	3532
45°	2928
50°	2405
55°	1906
60°	1516
65°	1194
70°	950
75°	768
80°	621
85°	511

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2928 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	10.5
10°-20°	88.3	20.1
20°-30°	68.5	15.6
30°-40°	62.3	14.2
40°-50°	57.8	13.2
50°-60°	44.5	10.1
60°-70°	30.5	6.9
70°-80°	19.8	4.5
80°-90°	12.3	2.8
90°-100°	7.1	1.6
100°-110°	2.3	0.5
110°-120°	0.1	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°	202.8	46.1
0°-40°	265.1	60.3
0°-60°	367.5	83.6
0°-90°	430.0	97.8
90°-120°	9.5	2.2
90°-150°	9.5	2.2
90°-180°	9.0	2.0
0°-180°	439.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	672	
5°	538	46
15°	323	88
25°	138	69
35°	98	62
45°	75	58
55°	49	45
65°	30	30
75°	18	20
85°	11	10
90°	8	5
95°	7	5
105°	2	2
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	672.1
2.5°	642.3
5°	538.2
7.5°	437.6
10°	374.0
12.5°	342.7
15°	323.2
17.5°	298.1
20°	237.0
22.5°	165.7
25°	138.5
27.5°	125.2
30°	113.4
32.5°	104.1
35°	98.5
37.5°	94.9
40°	88.8
42.5°	81.6
45°	74.9
47.5°	68.2
50°	62.1
52.5°	55.4
55°	49.3
57.5°	44.1
60°	39.0
62.5°	34.4
65°	30.3
67.5°	27.2
70°	23.6
72.5°	21.0
75°	18.5
77.5°	16.4
80°	14.4
82.5°	12.8
85°	11.3
87.5°	9.7
90°	8.2
92.5°	7.7
95°	6.7
97.5°	5.6
100°	4.1
102.5°	3.1
105°	2.1
107.5°	1.0
110°	0.5

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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)