

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: P702448

Luminaire Tested: 340-6C-15-D010 / 340-EU4C-1020-9040-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-15-D010 / 340-EU4C-1020-9040-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

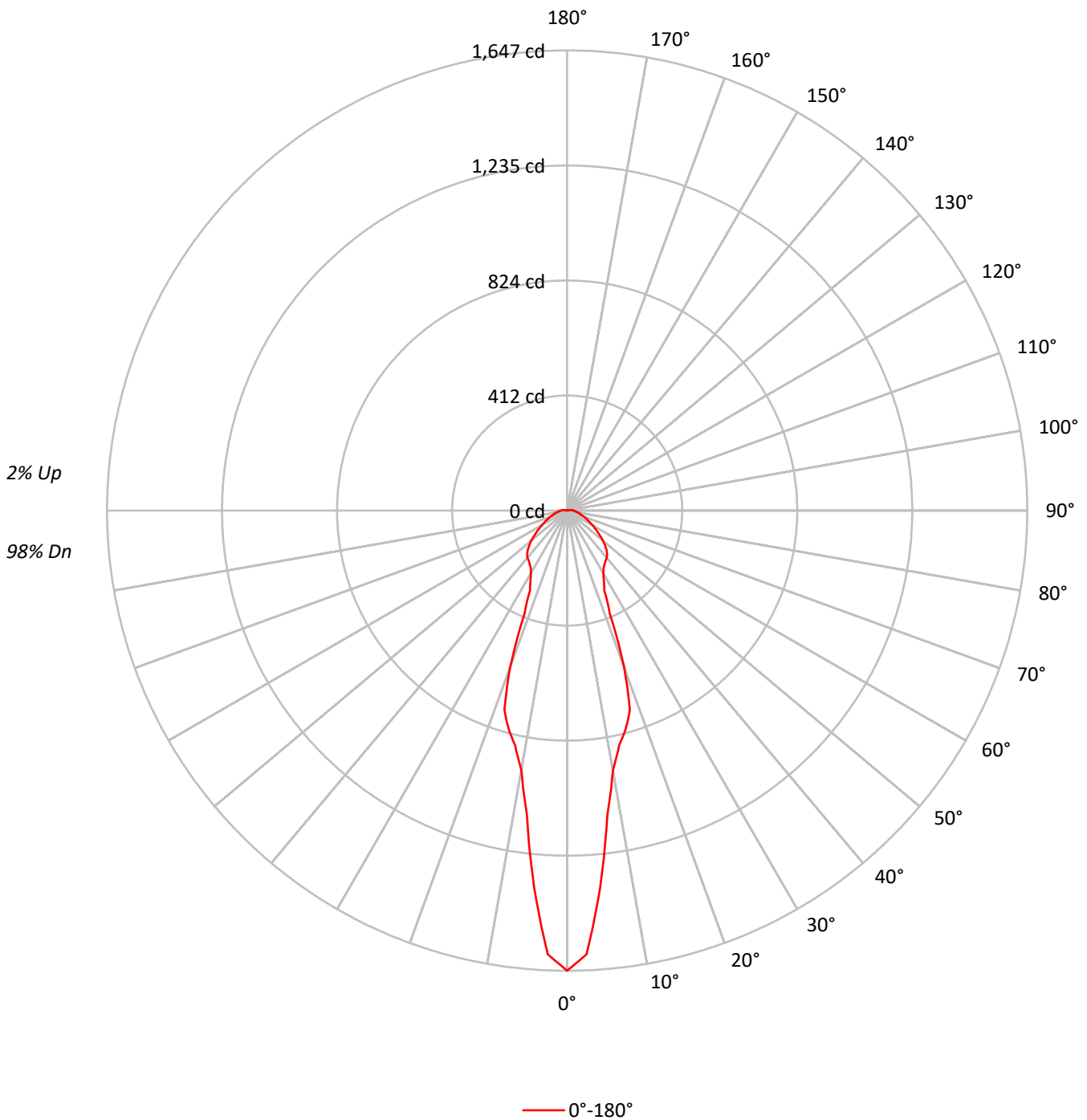
Lumens per Lamp: N/A
Luminaire Lumens: 1106.7 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 15.8
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

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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	109	105	101	98	107	103	99	96	98	95	93		94	92	90		90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80		85	81	78		82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70		77	73	69		75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63		71	66	62		69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56		66	60	56		64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52		61	55	51		59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44		53	48	44		52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41		50	45	41		49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107432
5°	79267
10°	50409
15°	40062
20°	27627
25°	13889
30°	10934
35°	9530
40°	8782
45°	7784
50°	6475
55°	5134
60°	4071
65°	3220
70°	2517
75°	2012
80°	1651
85°	1330

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7784 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	10.4
10°-20°	221.4	20.0
20°-30°	160.8	14.5
30°-40°	147.5	13.3
40°-50°	152.1	13.7
50°-60°	119.6	10.8
60°-70°	81.3	7.3
70°-80°	52.1	4.7
80°-90°	32.2	2.9
90°-100°	18.6	1.7
100°-110°	5.6	0.5
110°-120°	0.2	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°	497.5	45.0
0°-40°	645.0	58.3
0°-60°	916.7	82.8
0°-90°	1082.3	97.8
90°-120°	24.4	2.2
90°-150°	24.4	2.2
90°-180°	24.0	2.2
0°-180°	1106.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1647	
5°	1354	115
15°	809	221
25°	315	161
35°	234	147
45°	199	152
55°	133	120
65°	82	81
75°	48	52
85°	29	26
90°	22	12
95°	18	13
105°	5	6
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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CANDELA DISTRIBUTION (FULL):

0°	
0°	1646.7
2.5°	1589.3
5°	1354.4
7.5°	1100.4
10°	943.4
12.5°	860.4
15°	809.3
17.5°	746.8
20°	594.9
22.5°	398.3
25°	315.3
27.5°	283.4
30°	259.1
32.5°	242.5
35°	233.6
37.5°	225.9
40°	220.8
42.5°	211.9
45°	199.1
47.5°	183.8
50°	167.2
52.5°	149.4
55°	132.8
57.5°	117.4
60°	104.7
62.5°	91.9
65°	81.7
67.5°	71.5
70°	62.5
72.5°	54.9
75°	48.5
77.5°	43.4
80°	38.3
82.5°	33.2
85°	29.4
87.5°	25.5
90°	21.7
92.5°	20.4
95°	17.9
97.5°	14.0
100°	10.2
102.5°	7.7
105°	5.1
107.5°	2.6
110°	1.3

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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)