

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: P702280

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9040-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702280
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-05-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

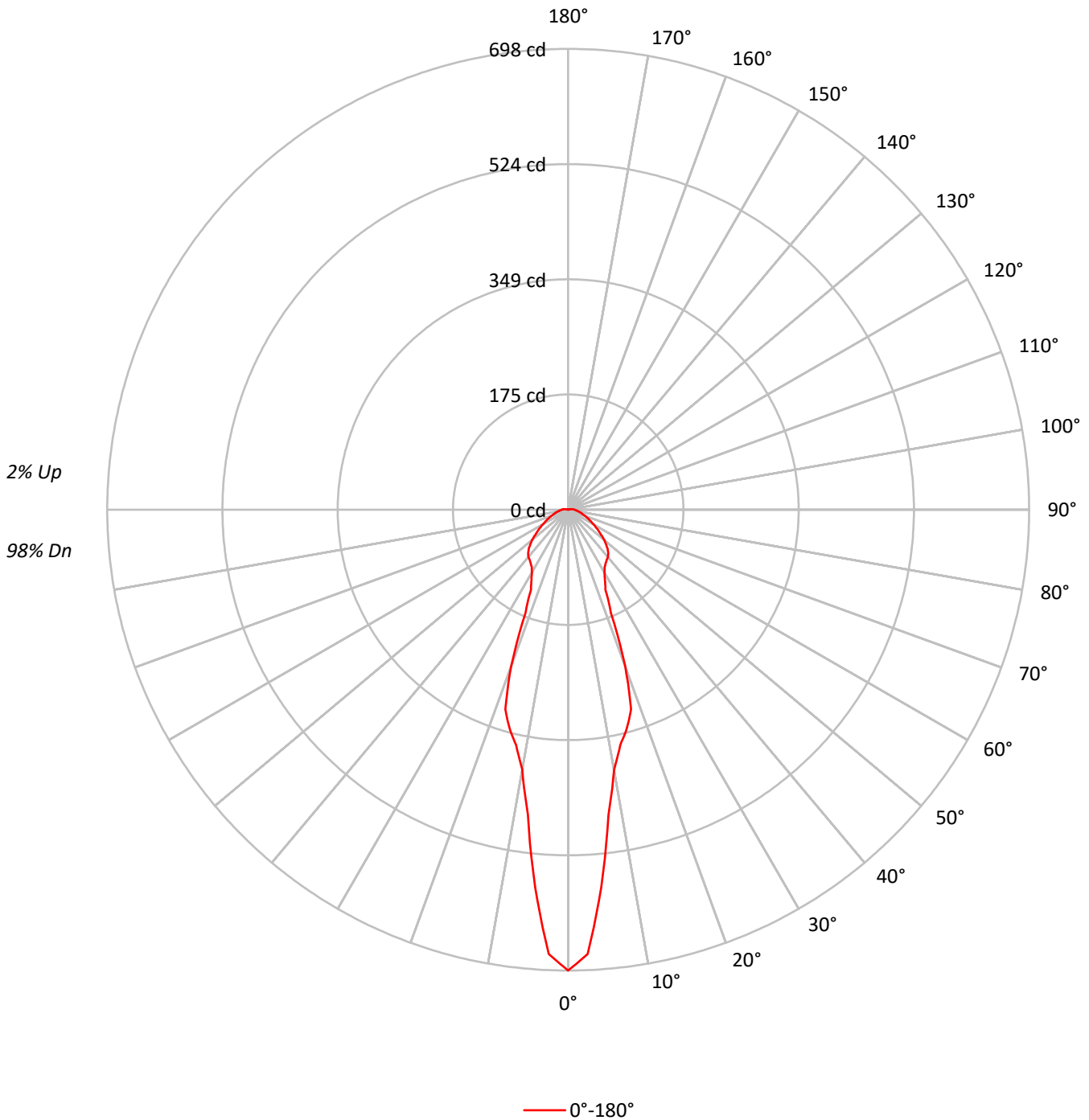
Lumens per Lamp: N/A
Luminaire Lumens: 469.1 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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	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°	45538
5°	33600
10°	21368
15°	16984
20°	11707
25°	5885
30°	4633
35°	4039
40°	3723
45°	3300
50°	2746
55°	2176
60°	1726
65°	1364
70°	1067
75°	855
80°	699
85°	561

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3300 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	10.4
10°-20°	93.9	20.0
20°-30°	68.1	14.5
30°-40°	62.5	13.3
40°-50°	64.5	13.7
50°-60°	50.7	10.8
60°-70°	34.5	7.3
70°-80°	22.1	4.7
80°-90°	13.6	2.9
90°-100°	7.9	1.7
100°-110°	2.4	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°	210.9	45.0
0°-40°	273.4	58.3
0°-60°	388.6	82.8
0°-90°	458.8	97.8
90°-120°	10.4	2.2
90°-150°	10.4	2.2
90°-180°	10.0	2.1
0°-180°	469.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	698	
5°	574	49
15°	343	94
25°	134	68
35°	99	63
45°	84	64
55°	56	51
65°	35	34
75°	21	22
85°	12	11
90°	9	5
95°	8	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°	698.0
2.5°	673.7
5°	574.1
7.5°	466.4
10°	399.9
12.5°	364.7
15°	343.1
17.5°	316.5
20°	252.1
22.5°	168.8
25°	133.6
27.5°	120.1
30°	109.8
32.5°	102.8
35°	99.0
37.5°	95.8
40°	93.6
42.5°	89.8
45°	84.4
47.5°	77.9
50°	70.9
52.5°	63.3
55°	56.3
57.5°	49.8
60°	44.4
62.5°	39.0
65°	34.6
67.5°	30.3
70°	26.5
72.5°	23.3
75°	20.6
77.5°	18.4
80°	16.2
82.5°	14.1
85°	12.4
87.5°	10.8
90°	9.2
92.5°	8.7
95°	7.6
97.5°	6.0
100°	4.3
102.5°	3.2
105°	2.2
107.5°	1.1
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)