

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: P702259

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

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702259
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-1020-9027-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

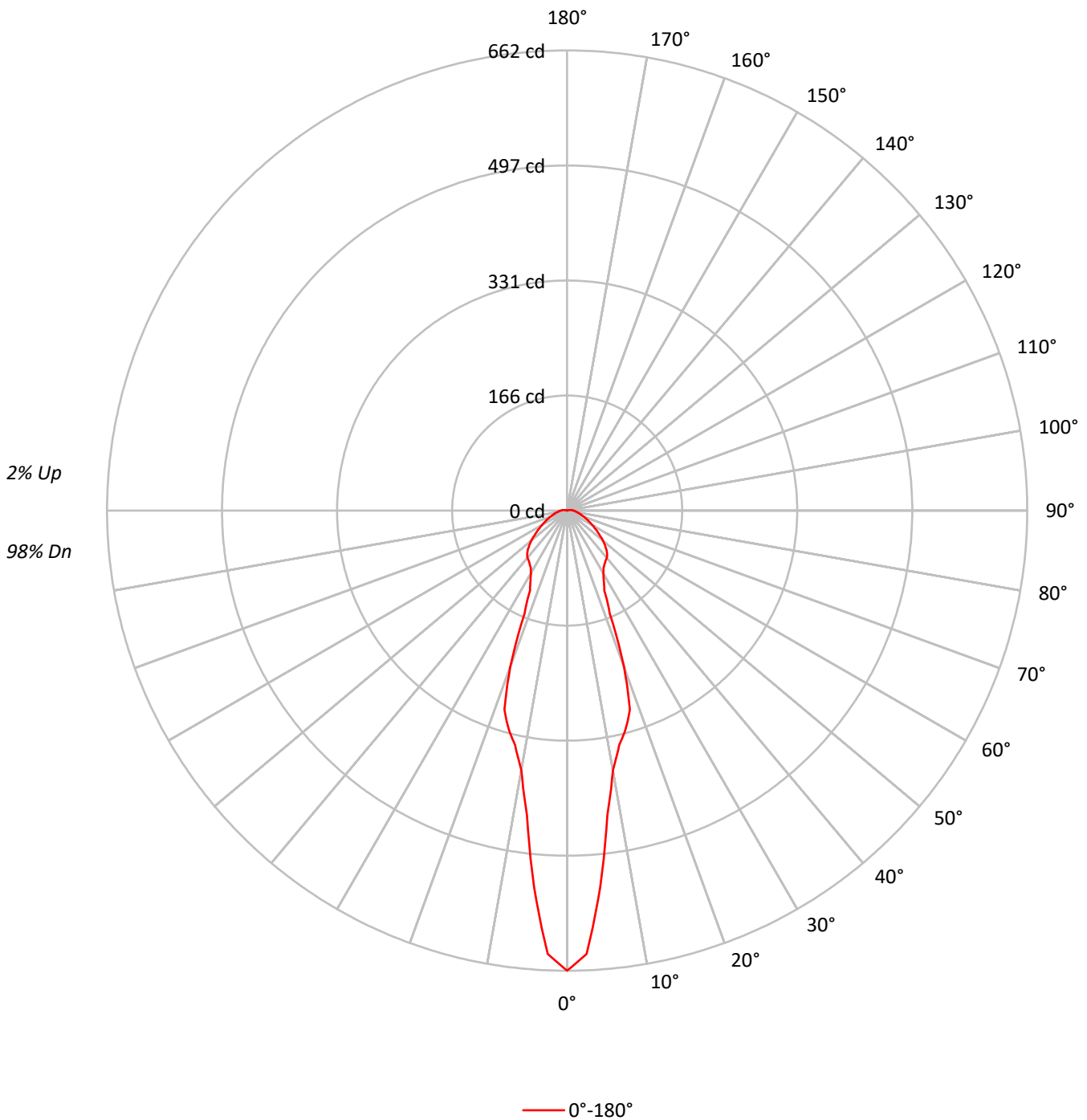
Lumens per Lamp: N/A
Luminaire Lumens: 444.8 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	57		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		56	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°	43176
5°	31856
10°	20256
15°	16103
20°	11104
25°	5581
30°	4393
35°	3831
40°	3532
45°	3128
50°	2602
55°	2064
60°	1637
65°	1293
70°	1011
75°	809
80°	664
85°	534

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3128 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	10.4
10°-20°	89.0	20.0
20°-30°	64.6	14.5
30°-40°	59.3	13.3
40°-50°	61.2	13.8
50°-60°	48.1	10.8
60°-70°	32.7	7.3
70°-80°	20.9	4.7
80°-90°	12.9	2.9
90°-100°	7.5	1.7
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°	200.0	45.0
0°-40°	259.2	58.3
0°-60°	368.5	82.8
0°-90°	435.0	97.8
90°-120°	9.8	2.2
90°-150°	9.8	2.2
90°-180°	10.0	2.2
0°-180°	444.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	662	
5°	544	46
15°	325	89
25°	127	65
35°	94	59
45°	80	61
55°	53	48
65°	33	33
75°	20	21
85°	12	10
90°	9	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°	661.8
2.5°	638.7
5°	544.3
7.5°	442.2
10°	379.1
12.5°	345.8
15°	325.3
17.5°	300.1
20°	239.1
22.5°	160.1
25°	126.7
27.5°	113.9
30°	104.1
32.5°	97.5
35°	93.9
37.5°	90.8
40°	88.8
42.5°	85.2
45°	80.0
47.5°	73.9
50°	67.2
52.5°	60.0
55°	53.4
57.5°	47.2
60°	42.1
62.5°	36.9
65°	32.8
67.5°	28.7
70°	25.1
72.5°	22.1
75°	19.5
77.5°	17.4
80°	15.4
82.5°	13.3
85°	11.8
87.5°	10.3
90°	8.7
92.5°	8.2
95°	7.2
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)