

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: P702392

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9040-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702392
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-10-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

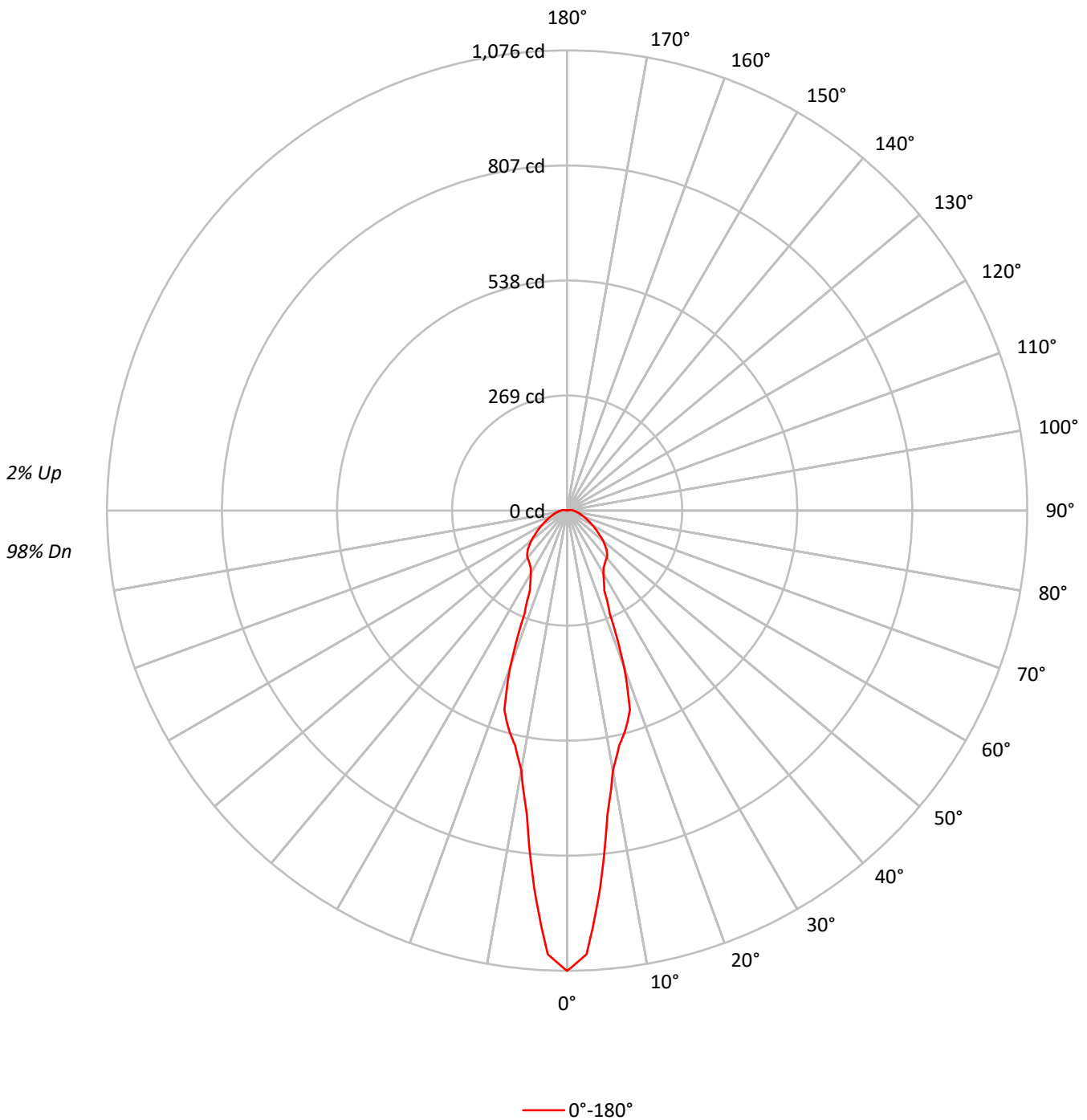
Lumens per Lamp: N/A
Luminaire Lumens: 723.3 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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

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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°	70212
5°	51801
10°	32941
15°	26182
20°	18056
25°	9079
30°	7148
35°	6229
40°	5739
45°	5086
50°	4233
55°	3355
60°	2660
65°	2105
70°	1647
75°	1315
80°	1078
85°	869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5086 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	10.4
10°-20°	144.7	20.0
20°-30°	105.1	14.5
30°-40°	96.4	13.3
40°-50°	99.4	13.7
50°-60°	78.2	10.8
60°-70°	53.1	7.3
70°-80°	34.0	4.7
80°-90°	21.0	2.9
90°-100°	12.2	1.7
100°-110°	3.7	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°	325.2	45.0
0°-40°	421.6	58.3
0°-60°	599.2	82.8
0°-90°	707.4	97.8
90°-120°	16.0	2.2
90°-150°	16.0	2.2
90°-180°	16.0	2.2
0°-180°	723.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1076	
5°	885	75
15°	529	145
25°	206	105
35°	153	96
45°	130	99
55°	87	78
65°	53	53
75°	32	34
85°	19	17
90°	14	8
95°	12	8
105°	3	4
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°	1076.2
2.5°	1038.6
5°	885.1
7.5°	719.1
10°	616.5
12.5°	562.3
15°	528.9
17.5°	488.0
20°	388.8
22.5°	260.3
25°	206.1
27.5°	185.2
30°	169.4
32.5°	158.5
35°	152.7
37.5°	147.7
40°	144.3
42.5°	138.5
45°	130.1
47.5°	120.1
50°	109.3
52.5°	97.6
55°	86.8
57.5°	76.8
60°	68.4
62.5°	60.1
65°	53.4
67.5°	46.7
70°	40.9
72.5°	35.9
75°	31.7
77.5°	28.4
80°	25.0
82.5°	21.7
85°	19.2
87.5°	16.7
90°	14.2
92.5°	13.3
95°	11.7
97.5°	9.2
100°	6.7
102.5°	5.0
105°	3.3
107.5°	1.7
110°	0.8

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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)