

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: P702399

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9050-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702399
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-1020-9050-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

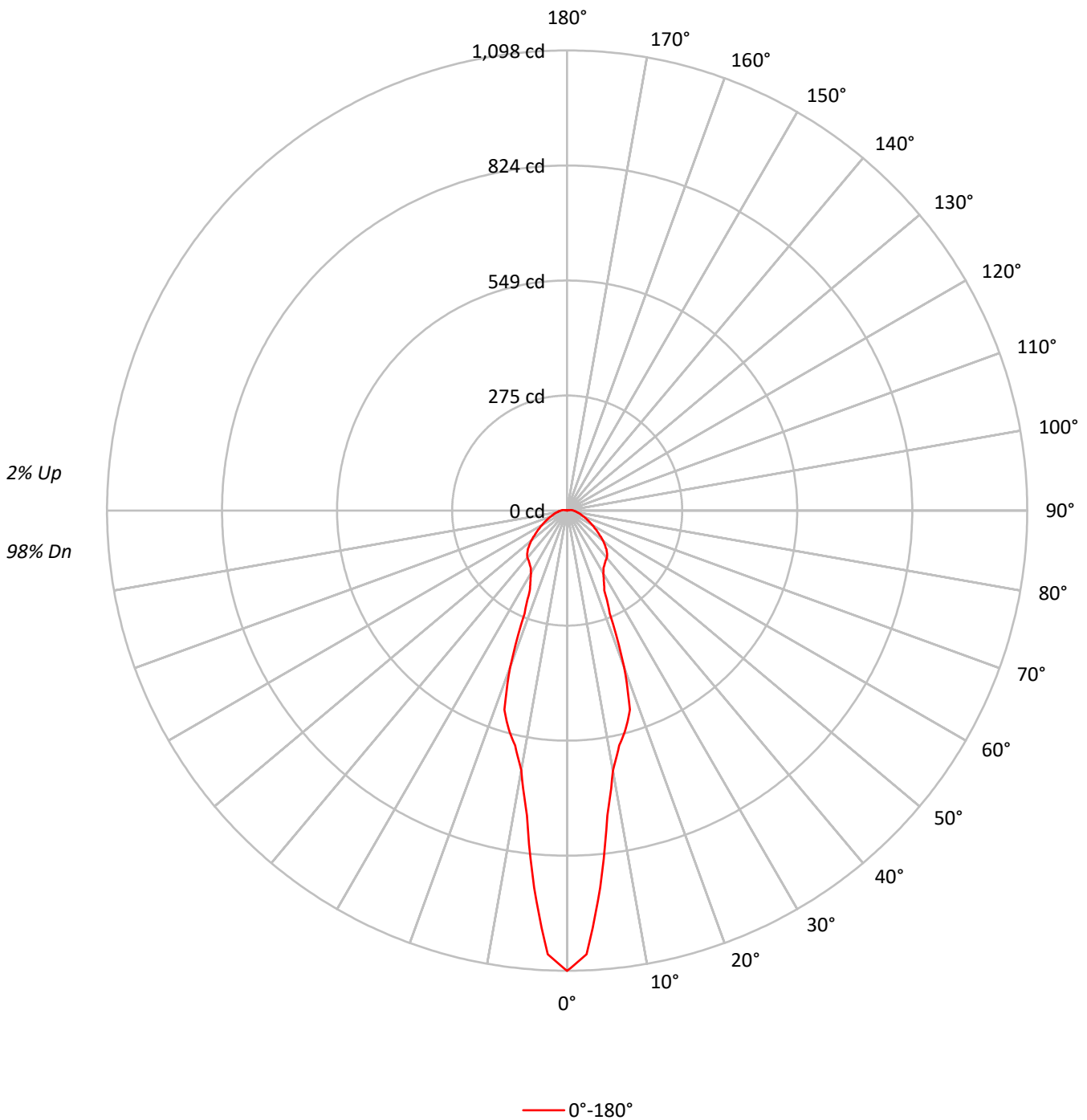
Lumens per Lamp: N/A
Luminaire Lumens: 738.1 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	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°	71654
5°	52866
10°	33620
15°	26721
20°	18427
25°	9264
30°	7292
35°	6356
40°	5859
45°	5192
50°	4318
55°	3421
60°	2714
65°	2148
70°	1679
75°	1344
80°	1100
85°	887

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5192 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	10.4
10°-20°	147.7	20.0
20°-30°	107.2	14.5
30°-40°	98.4	13.3
40°-50°	101.5	13.7
50°-60°	79.7	10.8
60°-70°	54.2	7.3
70°-80°	34.7	4.7
80°-90°	21.5	2.9
90°-100°	12.4	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°	331.8	45.0
0°-40°	430.2	58.3
0°-60°	611.4	82.8
0°-90°	721.8	97.8
90°-120°	16.3	2.2
90°-150°	16.3	2.2
90°-180°	16.0	2.2
0°-180°	738.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1098	
5°	903	77
15°	540	148
25°	210	107
35°	156	98
45°	133	101
55°	88	80
65°	54	54
75°	32	35
85°	20	17
90°	14	8
95°	12	9
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°	1098.3
2.5°	1060.0
5°	903.3
7.5°	733.9
10°	629.2
12.5°	573.9
15°	539.8
17.5°	498.1
20°	396.8
22.5°	265.6
25°	210.3
27.5°	189.0
30°	172.8
32.5°	161.8
35°	155.8
37.5°	150.7
40°	147.3
42.5°	141.3
45°	132.8
47.5°	122.6
50°	111.5
52.5°	99.6
55°	88.5
57.5°	78.3
60°	69.8
62.5°	61.3
65°	54.5
67.5°	47.7
70°	41.7
72.5°	36.6
75°	32.4
77.5°	28.9
80°	25.5
82.5°	22.1
85°	19.6
87.5°	17.0
90°	14.5
92.5°	13.6
95°	11.9
97.5°	9.4
100°	6.8
102.5°	5.1
105°	3.4
107.5°	1.7
110°	0.9

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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)