

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: P702385

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9035-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702385
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-1020-9035-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

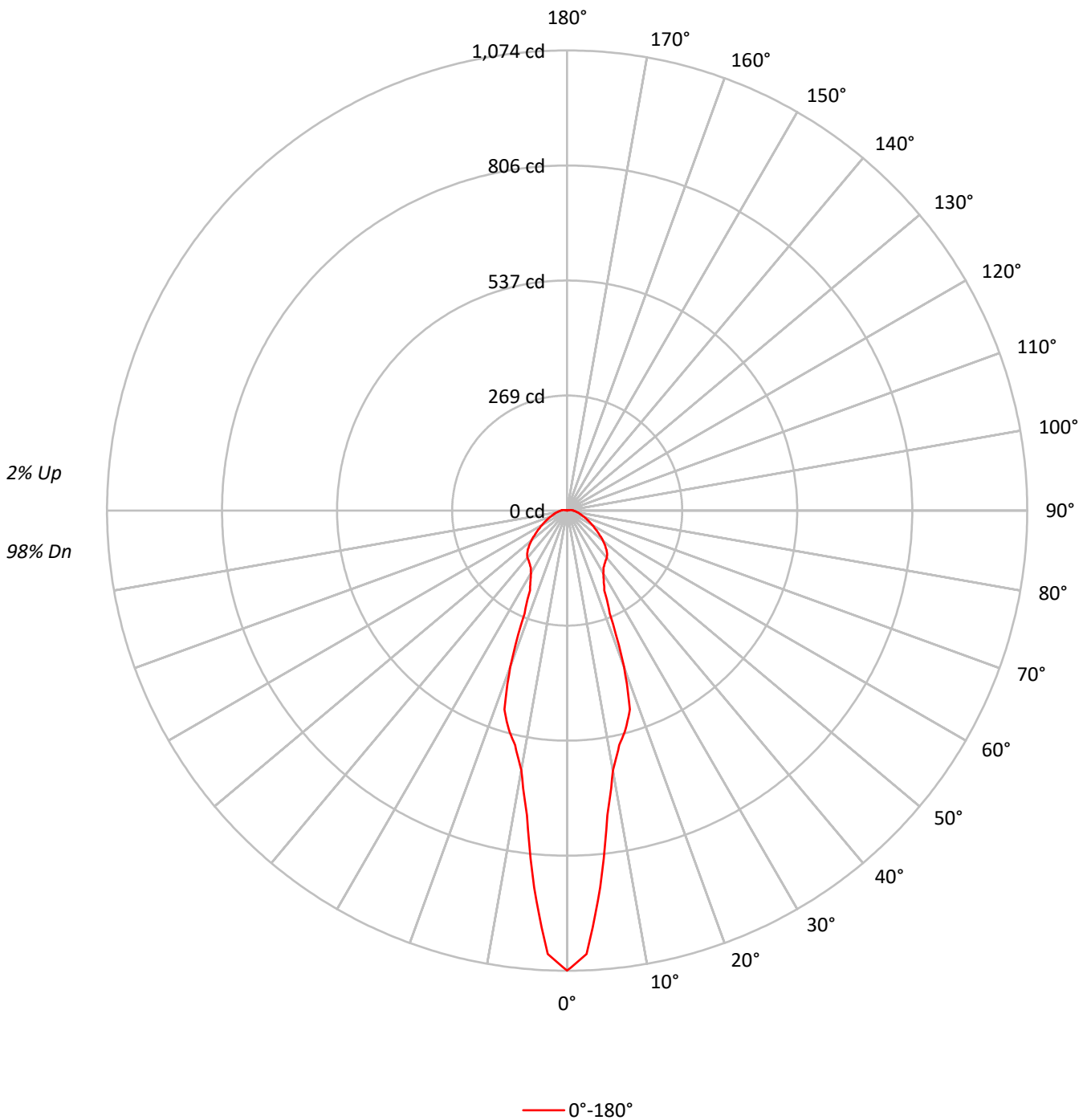
Lumens per Lamp: N/A
Luminaire Lumens: 721.5 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	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°	70036
5°	51673
10°	32861
15°	26117
20°	18009
25°	9052
30°	7127
35°	6213
40°	5728
45°	5074
50°	4221
55°	3344
60°	2652
65°	2101
70°	1643
75°	1311
80°	1078
85°	864

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5074 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	10.4
10°-20°	144.3	20.0
20°-30°	104.8	14.5
30°-40°	96.2	13.3
40°-50°	99.2	13.7
50°-60°	77.9	10.8
60°-70°	53.0	7.3
70°-80°	34.0	4.7
80°-90°	20.9	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°	324.3	45.0
0°-40°	420.5	58.3
0°-60°	597.6	82.8
0°-90°	705.5	97.8
90°-120°	15.9	2.2
90°-150°	15.9	2.2
90°-180°	16.0	2.2
0°-180°	721.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1074	
5°	883	75
15°	528	144
25°	206	105
35°	152	96
45°	130	99
55°	86	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°	1073.5
2.5°	1036.0
5°	882.9
7.5°	717.3
10°	615.0
12.5°	560.9
15°	527.6
17.5°	486.8
20°	387.8
22.5°	259.6
25°	205.5
27.5°	184.7
30°	168.9
32.5°	158.1
35°	152.3
37.5°	147.3
40°	144.0
42.5°	138.1
45°	129.8
47.5°	119.8
50°	109.0
52.5°	97.4
55°	86.5
57.5°	76.6
60°	68.2
62.5°	59.9
65°	53.3
67.5°	46.6
70°	40.8
72.5°	35.8
75°	31.6
77.5°	28.3
80°	25.0
82.5°	21.6
85°	19.1
87.5°	16.6
90°	14.1
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)