

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: P702418

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9730-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-10-D010 / 340-EU4C-1020-9730-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

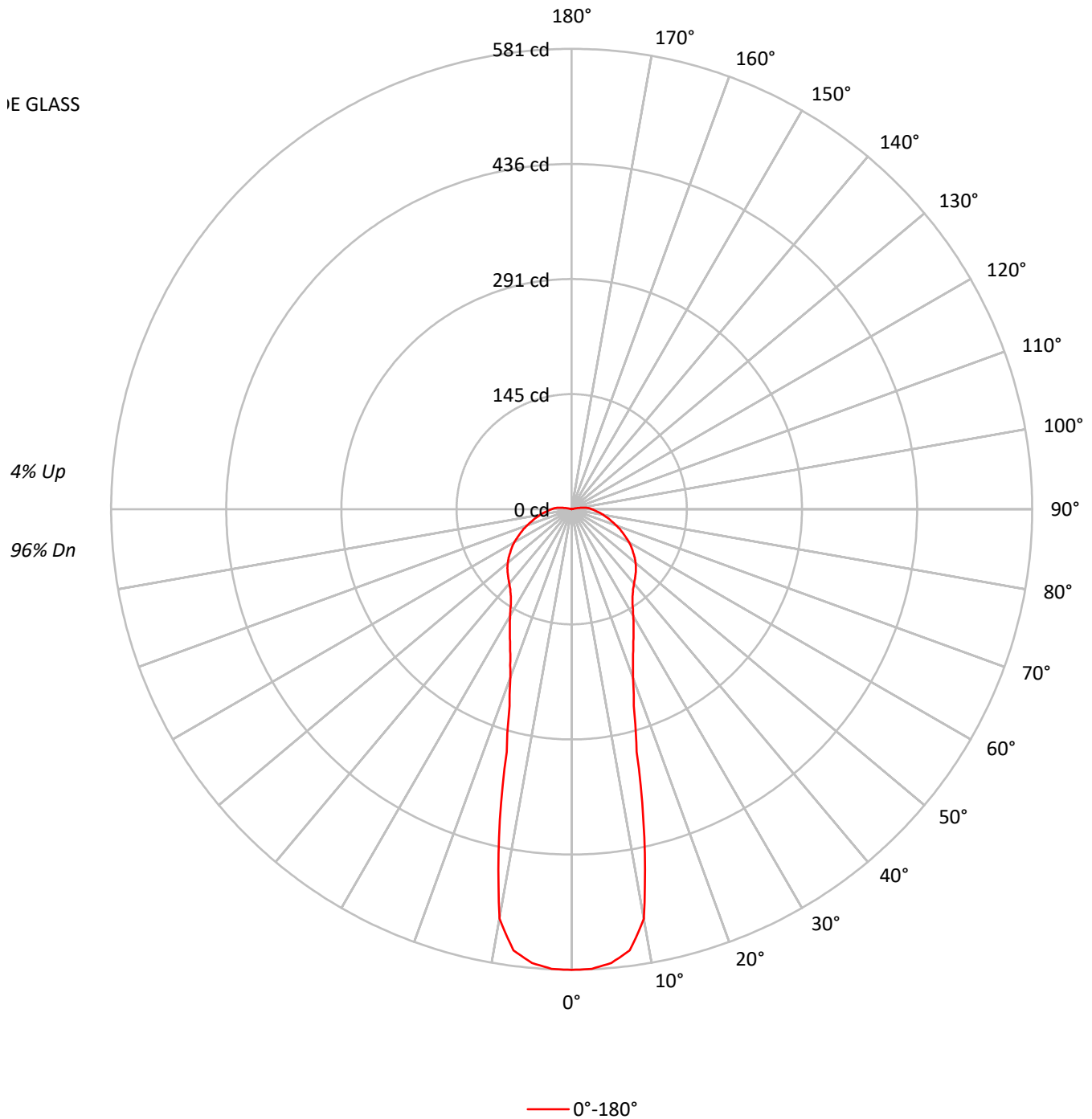
Lumens per Lamp: N/A
Luminaire Lumens: 672.8 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88		90	87	84		85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73		79	75	71		76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62		71	65	61		68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54		64	58	53		61	56	52	50
5	77	65	56	50	75	63	55	49	61	54	48		58	52	47		56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43		54	47	43		52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39		50	43	39		48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36		46	40	36		45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33		43	37	33		42	37	33	31
10	56	44	36	31	55	43	36	31	42	36	31		41	35	31		40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37924
5°	33635
10°	28036
15°	15687
20°	10486
25°	8101
30°	6549
35°	5458
40°	4864
45°	4461
50°	4070
55°	3649
60°	3255
65°	2814
70°	2412
75°	2045
80°	1733
85°	1448

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	7.9
10°-20°	93.0	13.8
20°-30°	85.3	12.7
30°-40°	84.8	12.6
40°-50°	88.1	13.1
50°-60°	84.7	12.6
60°-70°	70.8	10.5
70°-80°	52.3	7.8
80°-90°	35.3	5.3
90°-100°	20.5	3.1
100°-110°	4.3	0.6
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°	231.8	34.5
0°-40°	316.7	47.1
0°-60°	489.5	72.8
0°-90°	647.9	96.3
90°-120°	24.9	3.7
90°-150°	24.9	3.7
90°-180°	25.0	3.7
0°-180°	672.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	581	
5°	575	53
15°	317	93
25°	184	85
35°	134	85
45°	114	88
55°	94	85
65°	71	71
75°	49	52
85°	32	28
90°	26	14
95°	20	14
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°	581.3
2.5°	580.5
5°	574.7
7.5°	561.6
10°	524.7
12.5°	423.7
15°	316.9
17.5°	260.3
20°	225.8
22.5°	202.0
25°	183.9
27.5°	169.1
30°	155.2
32.5°	142.9
35°	133.8
37.5°	127.3
40°	122.3
42.5°	118.2
45°	114.1
47.5°	110.0
50°	105.1
52.5°	100.2
55°	94.4
57.5°	89.5
60°	83.7
62.5°	77.2
65°	71.4
67.5°	65.7
70°	59.9
72.5°	54.2
75°	49.3
77.5°	44.3
80°	40.2
82.5°	36.1
85°	32.0
87.5°	28.7
90°	25.5
92.5°	23.0
95°	19.7
97.5°	14.8
100°	9.9
102.5°	5.7
105°	3.3
107.5°	1.6
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)