

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: P702271

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9030-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702271
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-05-D010 / 340-EU4C-1020-9030-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

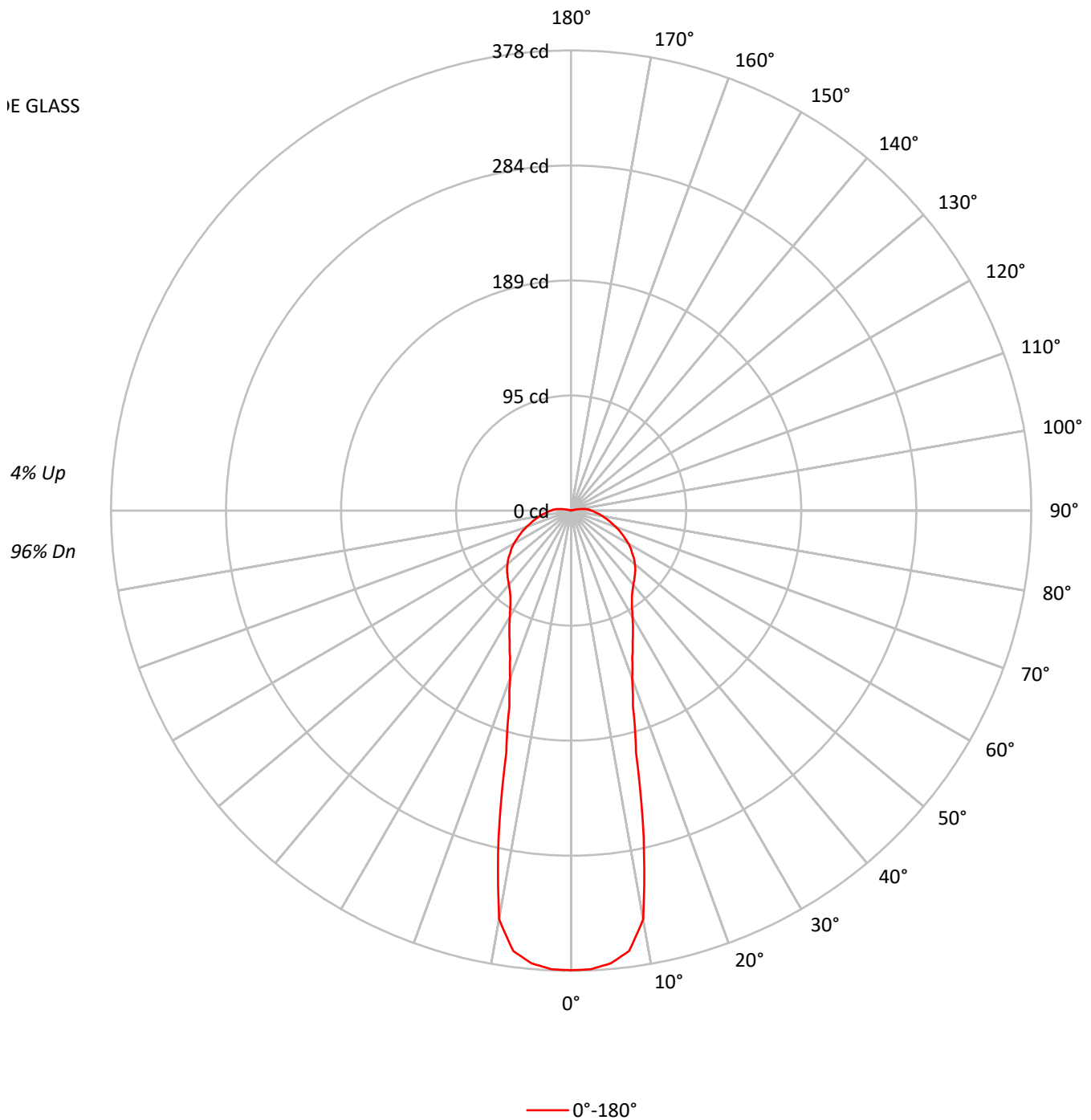
Lumens per Lamp: N/A
Luminaire Lumens: 437.0 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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	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	49	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	35	31		41	35	31		40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24635
5°	21848
10°	18210
15°	10188
20°	6808
25°	5264
30°	4254
35°	3545
40°	3162
45°	2897
50°	2645
55°	2370
60°	2115
65°	1829
70°	1567
75°	1328
80°	1125
85°	941

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2897 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	7.9
10°-20°	60.4	13.8
20°-30°	55.4	12.7
30°-40°	55.1	12.6
40°-50°	57.3	13.1
50°-60°	55.0	12.6
60°-70°	46.0	10.5
70°-80°	33.9	7.8
80°-90°	23.0	5.3
90°-100°	13.3	3.0
100°-110°	2.8	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°	150.6	34.5
0°-40°	205.7	47.1
0°-60°	318.0	72.8
0°-90°	420.9	96.3
90°-120°	16.1	3.7
90°-150°	16.1	3.7
90°-180°	16.0	3.7
0°-180°	437.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	378	
5°	373	35
15°	206	60
25°	120	55
35°	87	55
45°	74	57
55°	61	55
65°	46	46
75°	32	34
85°	21	18
90°	16	9
95°	13	9
105°	2	3
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°	377.6
2.5°	377.0
5°	373.3
7.5°	364.8
10°	340.8
12.5°	275.2
15°	205.8
17.5°	169.0
20°	146.6
22.5°	131.2
25°	119.5
27.5°	109.9
30°	100.8
32.5°	92.8
35°	86.9
37.5°	82.7
40°	79.5
42.5°	76.8
45°	74.1
47.5°	71.5
50°	68.3
52.5°	65.1
55°	61.3
57.5°	58.1
60°	54.4
62.5°	50.1
65°	46.4
67.5°	42.7
70°	38.9
72.5°	35.2
75°	32.0
77.5°	28.8
80°	26.1
82.5°	23.5
85°	20.8
87.5°	18.7
90°	16.5
92.5°	14.9
95°	12.8
97.5°	9.6
100°	6.4
102.5°	3.7
105°	2.1
107.5°	1.1
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)