

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: P702334

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9035-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702334
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-08-D010 / 340-EU4C-1020-9035-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

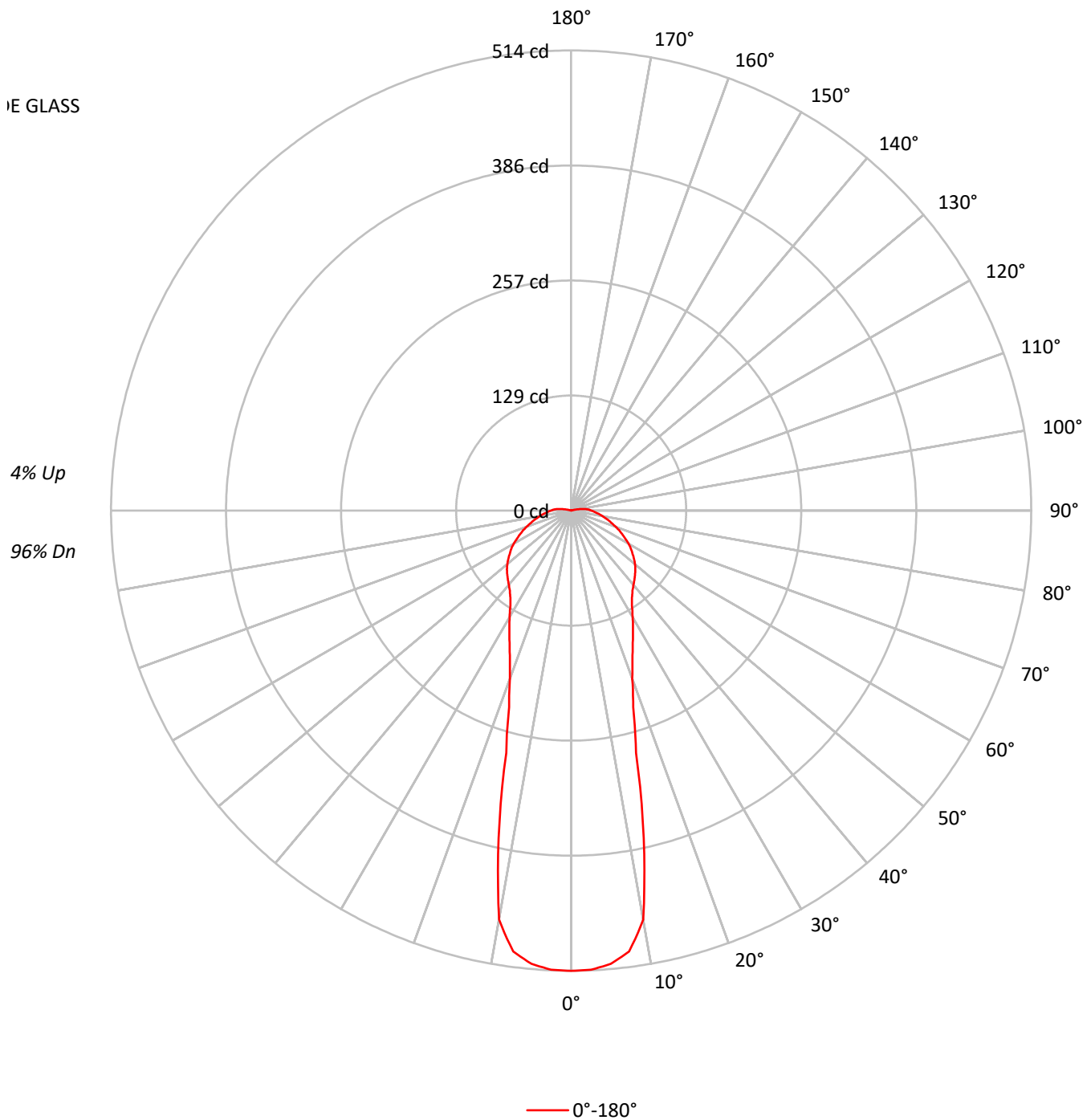
Lumens per Lamp: N/A
Luminaire Lumens: 595.2 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 9.9
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°	33540
5°	29749
10°	24793
15°	13875
20°	9274
25°	7167
30°	5794
35°	4830
40°	4304
45°	3945
50°	3602
55°	3228
60°	2881
65°	2491
70°	2134
75°	1809
80°	1535
85°	1280

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3945 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	7.9
10°-20°	82.3	13.8
20°-30°	75.5	12.7
30°-40°	75.1	12.6
40°-50°	77.9	13.1
50°-60°	74.9	12.6
60°-70°	62.7	10.5
70°-80°	46.2	7.8
80°-90°	31.3	5.3
90°-100°	18.1	3.0
100°-110°	3.8	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°	205.0	34.4
0°-40°	280.1	47.1
0°-60°	433.0	72.7
0°-90°	573.2	96.3
90°-120°	22.0	3.7
90°-150°	22.0	3.7
90°-180°	22.0	3.7
0°-180°	595.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	514	
5°	508	47
15°	280	82
25°	163	75
35°	118	75
45°	101	78
55°	84	75
65°	63	63
75°	44	46
85°	28	25
90°	22	12
95°	17	12
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°	514.1
2.5°	513.4
5°	508.3
7.5°	496.7
10°	464.0
12.5°	374.7
15°	280.3
17.5°	230.2
20°	199.7
22.5°	178.6
25°	162.7
27.5°	149.6
30°	137.3
32.5°	126.4
35°	118.4
37.5°	112.6
40°	108.2
42.5°	104.6
45°	100.9
47.5°	97.3
50°	93.0
52.5°	88.6
55°	83.5
57.5°	79.2
60°	74.1
62.5°	68.3
65°	63.2
67.5°	58.1
70°	53.0
72.5°	47.9
75°	43.6
77.5°	39.2
80°	35.6
82.5°	32.0
85°	28.3
87.5°	25.4
90°	22.5
92.5°	20.3
95°	17.4
97.5°	13.1
100°	8.7
102.5°	5.1
105°	2.9
107.5°	1.5
110°	0.7

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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)