

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: P702341

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9040-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702341
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-1020-9040-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

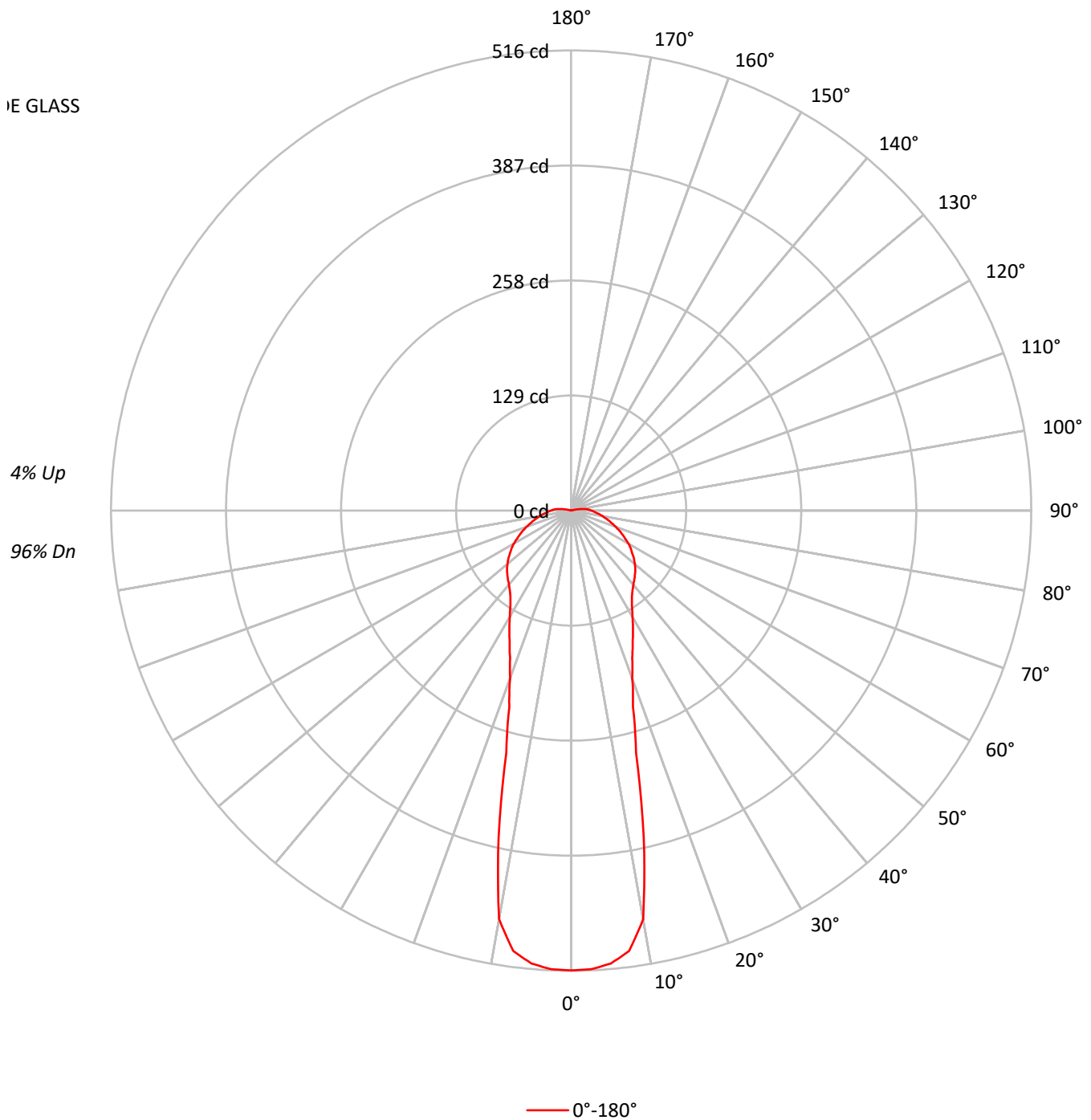
Lumens per Lamp: N/A
Luminaire Lumens: 596.8 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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°	33638
5°	29837
10°	24862
15°	13915
20°	9302
25°	7184
30°	5806
35°	4842
40°	4316
45°	3956
50°	3609
55°	3236
60°	2889
65°	2499
70°	2142
75°	1813
80°	1539
85°	1285

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3956 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	7.9
10°-20°	82.5	13.8
20°-30°	75.7	12.7
30°-40°	75.2	12.6
40°-50°	78.2	13.1
50°-60°	75.1	12.6
60°-70°	62.9	10.5
70°-80°	46.4	7.8
80°-90°	31.4	5.3
90°-100°	18.2	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°	205.6	34.4
0°-40°	280.8	47.1
0°-60°	434.1	72.7
0°-90°	574.7	96.3
90°-120°	22.1	3.7
90°-150°	22.1	3.7
90°-180°	22.0	3.7
0°-180°	596.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	516	
5°	510	47
15°	281	83
25°	163	76
35°	119	75
45°	101	78
55°	84	75
65°	63	63
75°	44	46
85°	28	25
90°	23	12
95°	18	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°	515.6
2.5°	514.8
5°	509.8
7.5°	498.1
10°	465.3
12.5°	375.8
15°	281.1
17.5°	230.8
20°	200.3
22.5°	179.1
25°	163.1
27.5°	150.0
30°	137.6
32.5°	126.7
35°	118.7
37.5°	112.9
40°	108.5
42.5°	104.9
45°	101.2
47.5°	97.6
50°	93.2
52.5°	88.8
55°	83.7
57.5°	79.4
60°	74.3
62.5°	68.5
65°	63.4
67.5°	58.3
70°	53.2
72.5°	48.1
75°	43.7
77.5°	39.3
80°	35.7
82.5°	32.0
85°	28.4
87.5°	25.5
90°	22.6
92.5°	20.4
95°	17.5
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)