

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: P702355

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9727-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702355
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-1020-9727-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 2700K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

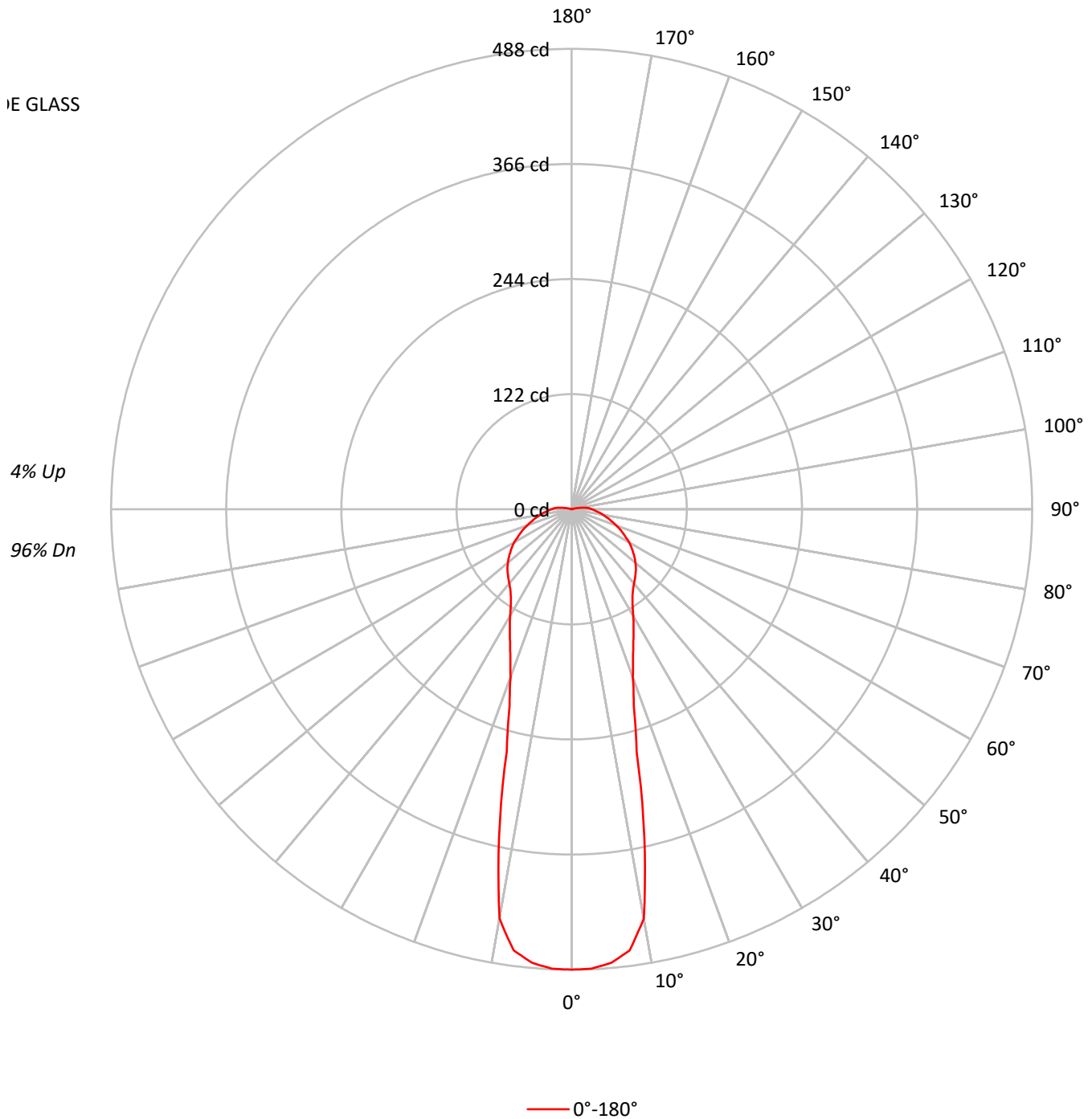
Lumens per Lamp: N/A
Luminaire Lumens: 564.9 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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°	31837
5°	28239
10°	23532
15°	13173
20°	8800
25°	6801
30°	5498
35°	4581
40°	4085
45°	3745
50°	3416
55°	3066
60°	2734
65°	2365
70°	2026
75°	1718
80°	1457
85°	1217

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	7.9
10°-20°	78.1	13.8
20°-30°	71.6	12.7
30°-40°	71.2	12.6
40°-50°	74.0	13.1
50°-60°	71.1	12.6
60°-70°	59.5	10.5
70°-80°	43.9	7.8
80°-90°	29.7	5.3
90°-100°	17.2	3.0
100°-110°	3.6	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°	194.6	34.5
0°-40°	265.8	47.1
0°-60°	410.9	72.7
0°-90°	544.0	96.3
90°-120°	20.9	3.7
90°-150°	20.9	3.7
90°-180°	21.0	3.7
0°-180°	564.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	488	
5°	482	45
15°	266	78
25°	154	72
35°	112	71
45°	96	74
55°	79	71
65°	60	59
75°	41	44
85°	27	23
90°	21	12
95°	16	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°	488.0
2.5°	487.3
5°	482.5
7.5°	471.5
10°	440.4
12.5°	355.7
15°	266.1
17.5°	218.5
20°	189.5
22.5°	169.6
25°	154.4
27.5°	142.0
30°	130.3
32.5°	119.9
35°	112.3
37.5°	106.8
40°	102.7
42.5°	99.3
45°	95.8
47.5°	92.4
50°	88.2
52.5°	84.1
55°	79.3
57.5°	75.1
60°	70.3
62.5°	64.8
65°	60.0
67.5°	55.1
70°	50.3
72.5°	45.5
75°	41.4
77.5°	37.2
80°	33.8
82.5°	30.3
85°	26.9
87.5°	24.1
90°	21.4
92.5°	19.3
95°	16.5
97.5°	12.4
100°	8.3
102.5°	4.8
105°	2.8
107.5°	1.4
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)