

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: P702291

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9050-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-05-D010 / 340-EU4C-1020-9050-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

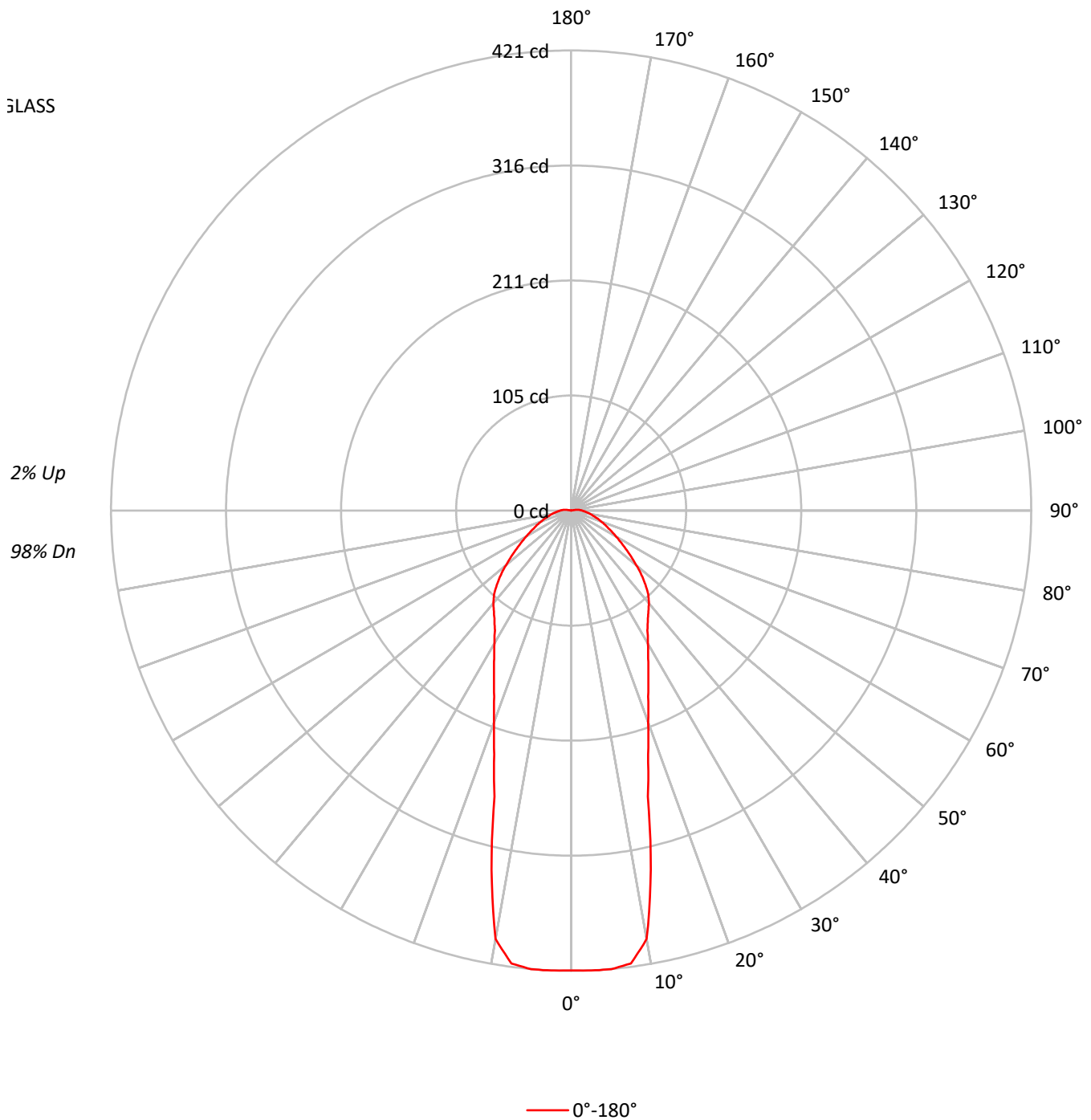
Lumens per Lamp: N/A
Luminaire Lumens: 486.1 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	109	105	101	97	106	102	99	96	98	95	92		94	91	89		90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79		84	80	77		81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69		76	71	67		73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60		69	64	60		67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54		64	58	53		62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49		59	53	48		57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44		54	49	44		53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27447
5°	24651
10°	21266
15°	13410
20°	9576
25°	7352
30°	5925
35°	4985
40°	4399
45°	3761
50°	3017
55°	2350
60°	1847
65°	1458
70°	1180
75°	942
80°	763
85°	602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3761 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	8.1
10°-20°	78.2	16.1
20°-30°	77.5	15.9
30°-40°	77.2	15.9
40°-50°	73.7	15.2
50°-60°	55.0	11.3
60°-70°	37.3	7.7
70°-80°	24.3	5.0
80°-90°	14.8	3.0
90°-100°	7.7	1.6
100°-110°	1.1	0.2
110°-120°	0.0	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°	195.2	40.2
0°-40°	272.4	56.0
0°-60°	401.0	82.5
0°-90°	477.4	98.2
90°-120°	8.7	1.8
90°-150°	8.7	1.8
90°-180°	9.0	1.9
0°-180°	486.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	421	
5°	421	40
15°	271	78
25°	167	77
35°	122	77
45°	96	74
55°	61	55
65°	37	37
75°	23	24
85°	13	12
90°	10	6
95°	7	5
105°	1	1
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°	420.7
2.5°	421.2
5°	421.2
7.5°	417.9
10°	398.0
12.5°	336.7
15°	270.9
17.5°	233.8
20°	206.2
22.5°	184.1
25°	166.9
27.5°	152.6
30°	140.4
32.5°	129.9
35°	122.2
37.5°	116.1
40°	110.6
42.5°	104.5
45°	96.2
47.5°	87.3
50°	77.9
52.5°	69.1
55°	60.8
57.5°	53.6
60°	47.5
62.5°	42.0
65°	37.0
67.5°	33.2
70°	29.3
72.5°	26.0
75°	22.7
77.5°	19.9
80°	17.7
82.5°	15.5
85°	13.3
87.5°	11.6
90°	10.0
92.5°	8.8
95°	7.2
97.5°	5.5
100°	3.3
102.5°	1.7
105°	0.6
107.5°	0.0
110°	0.0

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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)