

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: P702277

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9035-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702277
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-1020-9035-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

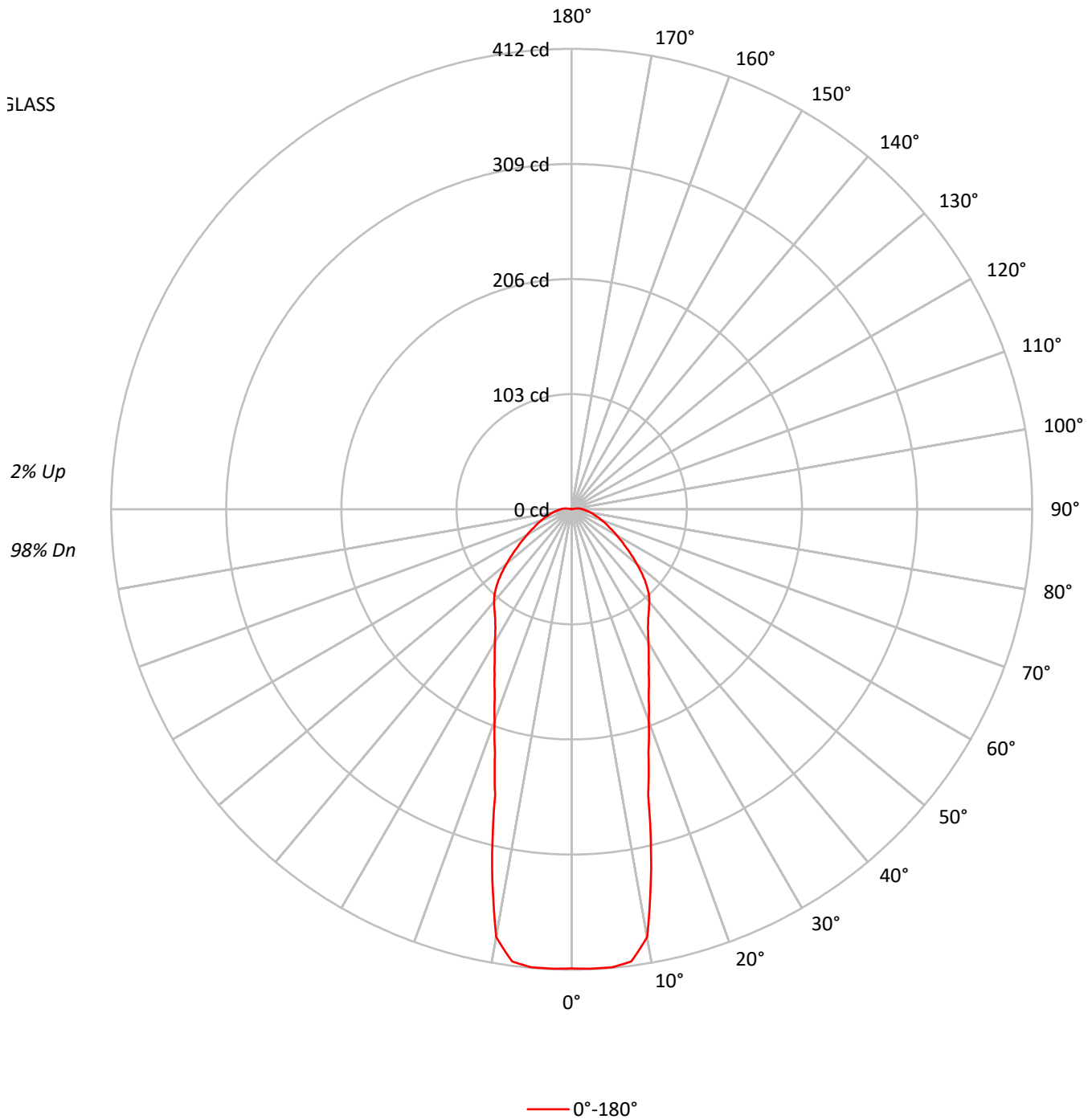
Lumens per Lamp: N/A
Luminaire Lumens: 474.8 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	77	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	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26807
5°	24083
10°	20775
15°	13098
20°	9353
25°	7184
30°	5790
35°	4867
40°	4296
45°	3675
50°	2947
55°	2296
60°	1804
65°	1427
70°	1152
75°	917
80°	746
85°	588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	8.1
10°-20°	76.4	16.1
20°-30°	75.7	15.9
30°-40°	75.4	15.9
40°-50°	72.0	15.2
50°-60°	53.7	11.3
60°-70°	36.4	7.7
70°-80°	23.7	5.0
80°-90°	14.4	3.0
90°-100°	7.5	1.6
100°-110°	1.0	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°	190.7	40.2
0°-40°	266.1	56.0
0°-60°	391.7	82.5
0°-90°	466.3	98.2
90°-120°	8.5	1.8
90°-150°	8.5	1.8
90°-180°	8.0	1.7
0°-180°	474.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	411	
5°	412	39
15°	265	76
25°	163	76
35°	119	75
45°	94	72
55°	59	54
65°	36	36
75°	22	24
85°	13	12
90°	10	5
95°	7	5
105°	0	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°	410.9
2.5°	411.5
5°	411.5
7.5°	408.2
10°	388.8
12.5°	328.8
15°	264.6
17.5°	228.4
20°	201.4
22.5°	179.8
25°	163.1
27.5°	149.0
30°	137.2
32.5°	126.9
35°	119.3
37.5°	113.4
40°	108.0
42.5°	102.1
45°	94.0
47.5°	85.3
50°	76.1
52.5°	67.5
55°	59.4
57.5°	52.4
60°	46.4
62.5°	41.0
65°	36.2
67.5°	32.4
70°	28.6
72.5°	25.4
75°	22.1
77.5°	19.4
80°	17.3
82.5°	15.1
85°	13.0
87.5°	11.3
90°	9.7
92.5°	8.6
95°	7.0
97.5°	5.4
100°	3.2
102.5°	1.6
105°	0.5
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)