

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: P702312

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9024-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702312
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-08-D010 / 340-EU4C-1020-9024-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

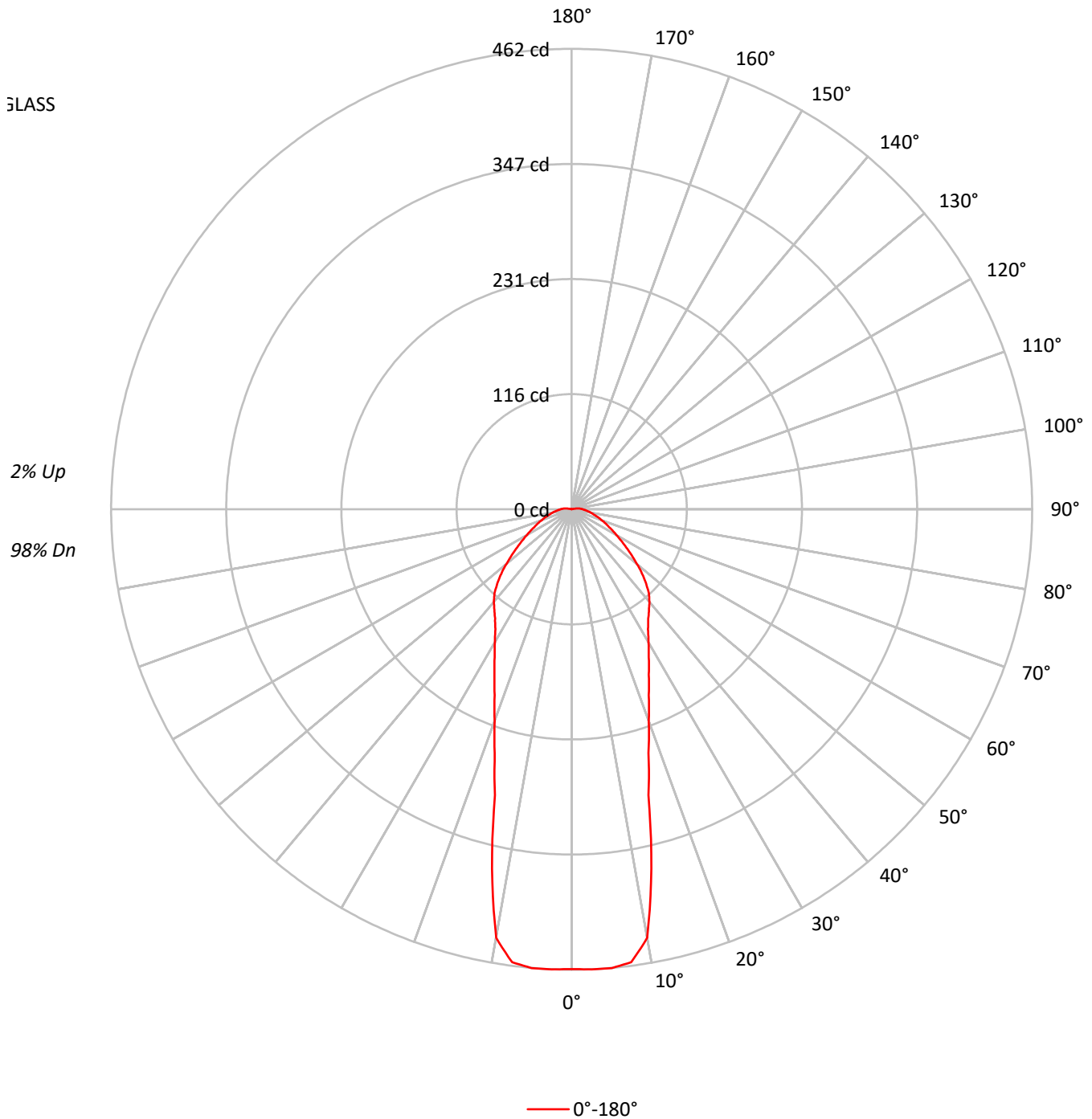
Lumens per Lamp: N/A
Luminaire Lumens: 533.2 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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	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°	30102
5°	27045
10°	23329
15°	14707
20°	10505
25°	8065
30°	6499
35°	5466
40°	4825
45°	4124
50°	3311
55°	2578
60°	2026
65°	1600
70°	1293
75°	1033
80°	837
85°	661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4124 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	8.1
10°-20°	85.8	16.1
20°-30°	85.0	15.9
30°-40°	84.6	15.9
40°-50°	80.8	15.2
50°-60°	60.3	11.3
60°-70°	40.9	7.7
70°-80°	26.6	5.0
80°-90°	16.2	3.0
90°-100°	8.5	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°	214.2	40.2
0°-40°	298.8	56.0
0°-60°	439.9	82.5
0°-90°	523.6	98.2
90°-120°	9.6	1.8
90°-150°	9.6	1.8
90°-180°	10.0	1.9
0°-180°	533.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	461	
5°	462	43
15°	297	86
25°	183	85
35°	134	85
45°	106	81
55°	67	60
65°	41	41
75°	25	27
85°	15	13
90°	11	6
95°	8	6
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°	461.4
2.5°	462.1
5°	462.1
7.5°	458.4
10°	436.6
12.5°	369.3
15°	297.1
17.5°	256.5
20°	226.2
22.5°	201.9
25°	183.1
27.5°	167.4
30°	154.0
32.5°	142.5
35°	134.0
37.5°	127.3
40°	121.3
42.5°	114.6
45°	105.5
47.5°	95.8
50°	85.5
52.5°	75.8
55°	66.7
57.5°	58.8
60°	52.1
62.5°	46.1
65°	40.6
67.5°	36.4
70°	32.1
72.5°	28.5
75°	24.9
77.5°	21.8
80°	19.4
82.5°	17.0
85°	14.6
87.5°	12.7
90°	10.9
92.5°	9.7
95°	7.9
97.5°	6.1
100°	3.6
102.5°	1.8
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)