

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: P702725

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9035-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702725
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-40-D010 / 340-EU4C-3040-9035-4LBW1LI-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

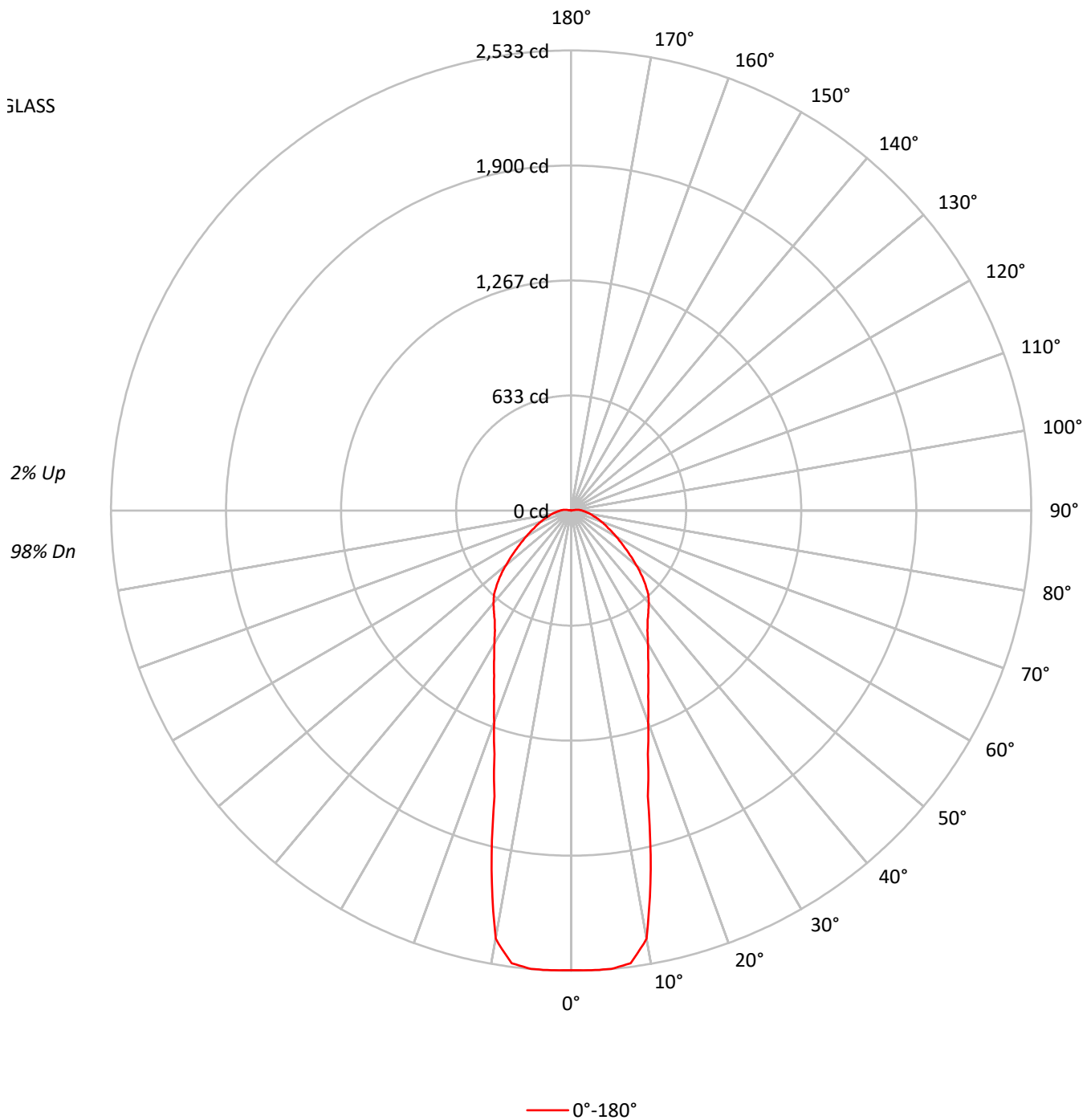
Lumens per Lamp: N/A
Luminaire Lumens: 2922.9 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 47
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°	165026
5°	148234
10°	127876
15°	80624
20°	57575
25°	44216
30°	35628
35°	29968
40°	26442
45°	22612
50°	18151
55°	14133
60°	11117
65°	8778
70°	7096
75°	5655
80°	4588
85°	3610

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22612 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.1	8.1
10°-20°	470.1	16.1
20°-30°	465.7	15.9
30°-40°	464.0	15.9
40°-50°	442.9	15.2
50°-60°	330.5	11.3
60°-70°	224.1	7.7
70°-80°	146.1	5.0
80°-90°	88.8	3.0
90°-100°	46.3	1.6
100°-110°	6.2	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°	1173.9	40.2
0°-40°	1638.0	56.0
0°-60°	2411.4	82.5
0°-90°	2870.4	98.2
90°-120°	52.5	1.8
90°-150°	52.5	1.8
90°-180°	52.0	1.8
0°-180°	2922.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2530	
5°	2533	238
15°	1629	470
25°	1004	466
35°	735	464
45°	578	443
55°	366	331
65°	223	224
75°	136	146
85°	80	71
90°	60	33
95°	43	31
105°	3	6
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°	2529.5
2.5°	2532.8
5°	2532.8
7.5°	2512.9
10°	2393.2
12.5°	2024.2
15°	1628.7
17.5°	1406.0
20°	1239.8
22.5°	1106.9
25°	1003.8
27.5°	917.4
30°	844.3
32.5°	781.1
35°	734.6
37.5°	698.0
40°	664.8
42.5°	628.2
45°	578.4
47.5°	525.2
50°	468.7
52.5°	415.5
55°	365.6
57.5°	322.4
60°	285.9
62.5°	252.6
65°	222.7
67.5°	199.4
70°	176.2
72.5°	156.2
75°	136.3
77.5°	119.7
80°	106.4
82.5°	93.1
85°	79.8
87.5°	69.8
90°	59.8
92.5°	53.2
95°	43.2
97.5°	33.2
100°	19.9
102.5°	10.0
105°	3.3
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)