

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: P702704

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9024-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702704
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-3040-9024-4LBW1LI-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

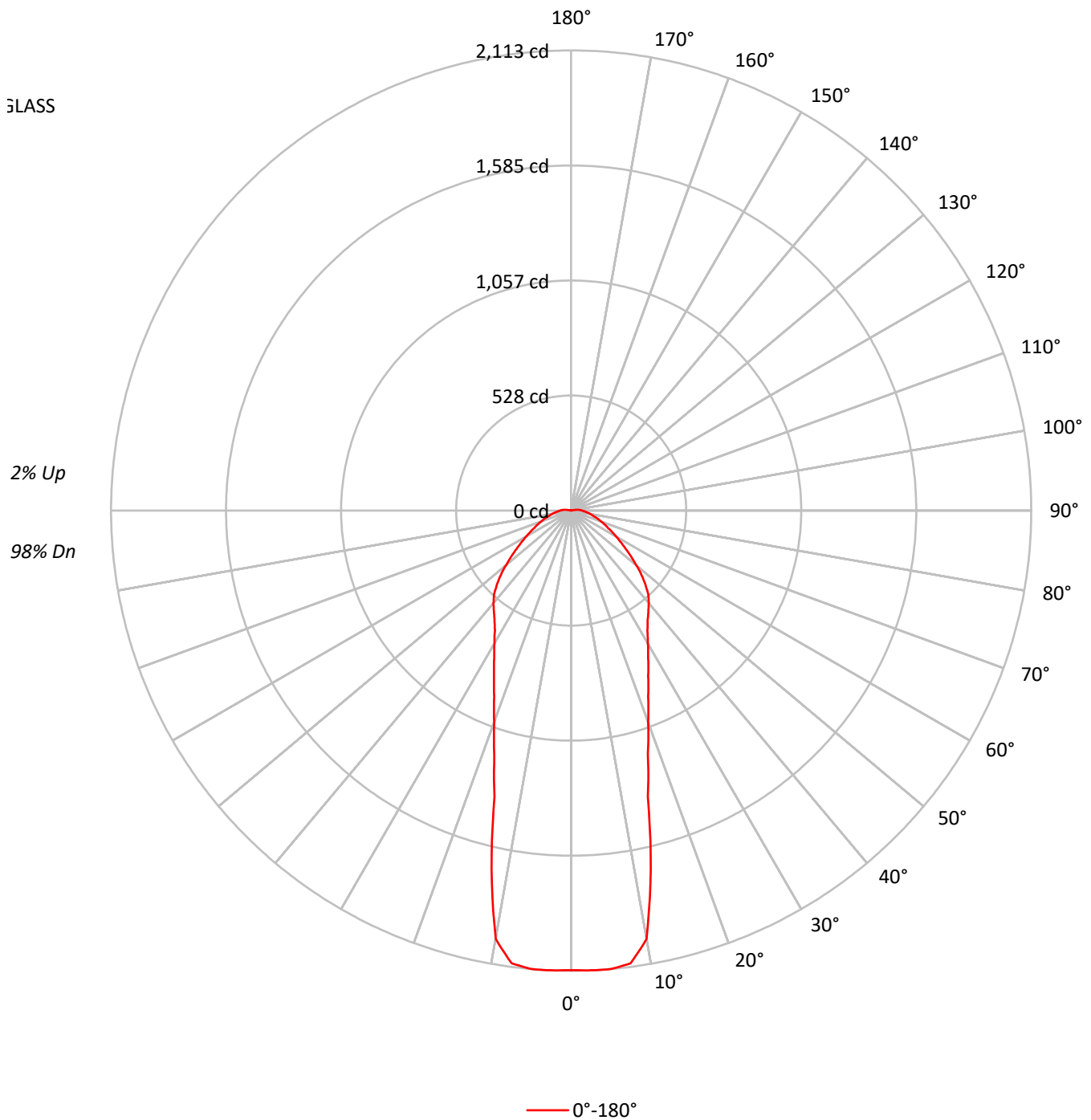
Lumens per Lamp: N/A
Luminaire Lumens: 2438.6 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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°	137684
5°	123677
10°	106690
15°	67269
20°	48037
25°	36891
30°	29724
35°	25003
40°	22059
45°	18863
50°	15142
55°	11794
60°	9274
65°	7323
70°	5920
75°	4717
80°	3825
85°	3013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18863 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.7	8.1
10°-20°	392.2	16.1
20°-30°	388.6	15.9
30°-40°	387.2	15.9
40°-50°	369.5	15.2
50°-60°	275.8	11.3
60°-70°	187.0	7.7
70°-80°	121.9	5.0
80°-90°	74.1	3.0
90°-100°	38.6	1.6
100°-110°	5.2	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°	979.5	40.2
0°-40°	1366.6	56.0
0°-60°	2011.9	82.5
0°-90°	2394.8	98.2
90°-120°	43.8	1.8
90°-150°	43.8	1.8
90°-180°	44.0	1.8
0°-180°	2438.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2110	
5°	2113	199
15°	1359	392
25°	838	389
35°	613	387
45°	482	370
55°	305	276
65°	186	187
75°	114	122
85°	67	59
90°	50	28
95°	36	26
105°	3	5
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°	2110.4
2.5°	2113.2
5°	2113.2
7.5°	2096.5
10°	1996.7
12.5°	1688.9
15°	1358.9
17.5°	1173.1
20°	1034.4
22.5°	923.5
25°	837.5
27.5°	765.4
30°	704.4
32.5°	651.7
35°	612.9
37.5°	582.4
40°	554.6
42.5°	524.1
45°	482.5
47.5°	438.2
50°	391.0
52.5°	346.7
55°	305.1
57.5°	269.0
60°	238.5
62.5°	210.8
65°	185.8
67.5°	166.4
70°	147.0
72.5°	130.3
75°	113.7
77.5°	99.8
80°	88.7
82.5°	77.6
85°	66.6
87.5°	58.2
90°	49.9
92.5°	44.4
95°	36.1
97.5°	27.7
100°	16.6
102.5°	8.3
105°	2.8
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)