

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: P702732

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9040-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702732
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-3040-9040-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

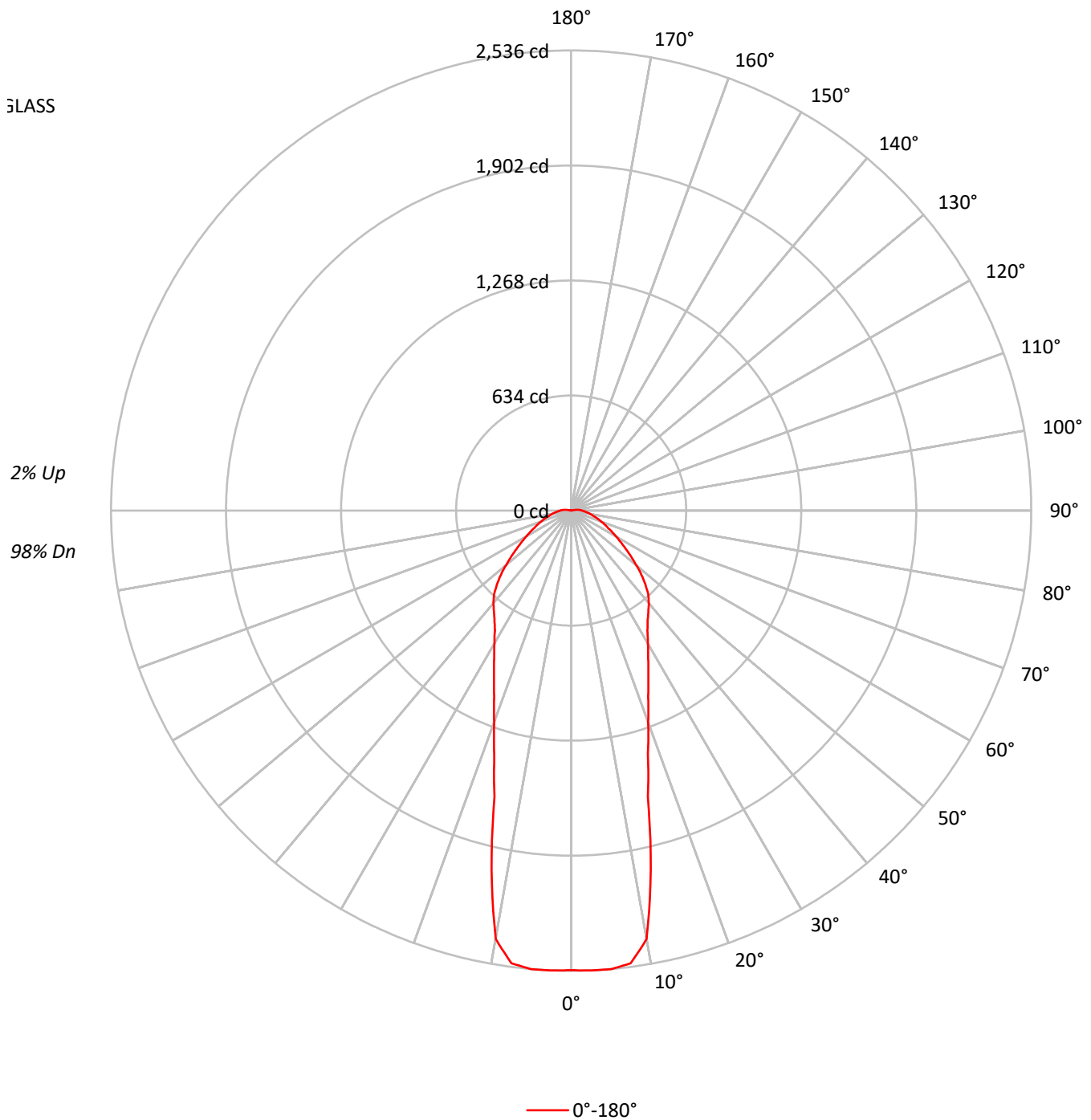
Lumens per Lamp: N/A
Luminaire Lumens: 2927.1 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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°	165261
5°	148451
10°	128063
15°	80743
20°	57659
25°	44283
30°	35679
35°	30009
40°	26478
45°	22643
50°	18174
55°	14156
60°	11132
65°	8789
70°	7104
75°	5663
80°	4592
85°	3615

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22643 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.5	8.1
10°-20°	470.8	16.1
20°-30°	466.4	15.9
30°-40°	464.7	15.9
40°-50°	443.5	15.2
50°-60°	331.0	11.3
60°-70°	224.4	7.7
70°-80°	146.3	5.0
80°-90°	88.9	3.0
90°-100°	46.4	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°	1175.7	40.2
0°-40°	1640.3	56.0
0°-60°	2414.9	82.5
0°-90°	2874.5	98.2
90°-120°	52.6	1.8
90°-150°	52.6	1.8
90°-180°	53.0	1.8
0°-180°	2927.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2533	
5°	2536	238
15°	1631	471
25°	1005	466
35°	736	465
45°	579	444
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°	2533.1
2.5°	2536.5
5°	2536.5
7.5°	2516.5
10°	2396.7
12.5°	2027.2
15°	1631.1
17.5°	1408.0
20°	1241.6
22.5°	1108.5
25°	1005.3
27.5°	918.7
30°	845.5
32.5°	782.2
35°	735.6
37.5°	699.0
40°	665.7
42.5°	629.1
45°	579.2
47.5°	525.9
50°	469.3
52.5°	416.1
55°	366.2
57.5°	322.9
60°	286.3
62.5°	253.0
65°	223.0
67.5°	199.7
70°	176.4
72.5°	156.4
75°	136.5
77.5°	119.8
80°	106.5
82.5°	93.2
85°	79.9
87.5°	69.9
90°	59.9
92.5°	53.3
95°	43.3
97.5°	33.3
100°	20.0
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)