

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: P702453

Luminaire Tested: 340-6C-15-D010 / 340-EU4C-1020-9040-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-15-D010 / 340-EU4C-1020-9040-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

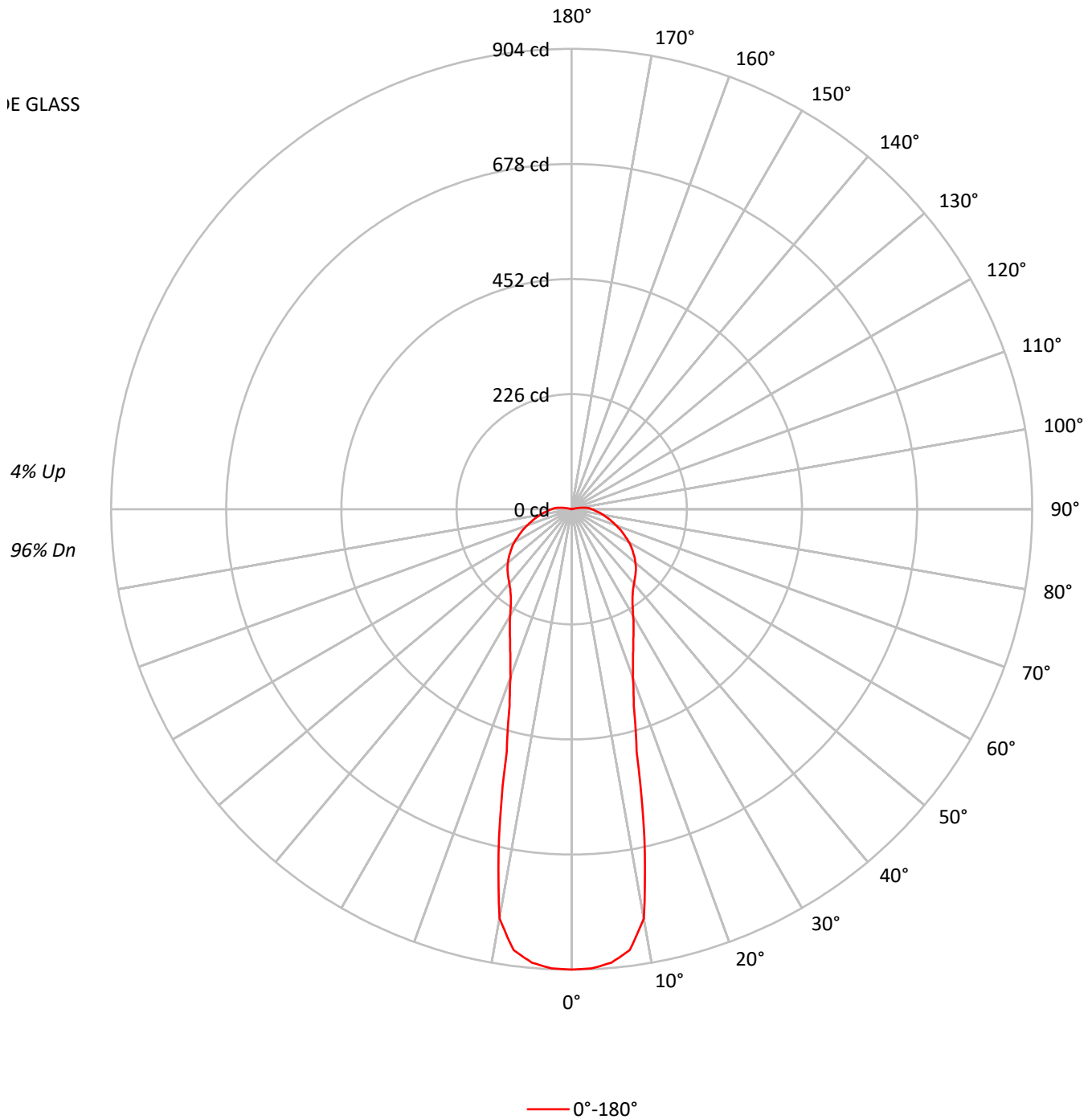
Lumens per Lamp: N/A
Luminaire Lumens: 1046.2 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 15.8
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	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88		90	87	84		85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73		79	75	71		76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62		71	65	61		68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54		64	58	53		61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48		58	52	47		56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43		54	47	43		52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39		50	43	39		48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36		46	40	36		45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33		43	37	33		42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31		41	35	31		40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58964
5°	52299
10°	43585
15°	24390
20°	16300
25°	12594
30°	10182
35°	8489
40°	7565
45°	6935
50°	6328
55°	5675
60°	5063
65°	4379
70°	3753
75°	3178
80°	2699
85°	2253

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6935 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	7.9
10°-20°	144.7	13.8
20°-30°	132.7	12.7
30°-40°	131.9	12.6
40°-50°	137.0	13.1
50°-60°	131.7	12.6
60°-70°	110.2	10.5
70°-80°	81.3	7.8
80°-90°	55.0	5.3
90°-100°	31.9	3.0
100°-110°	6.6	0.6
110°-120°	0.2	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°	360.4	34.5
0°-40°	492.3	47.1
0°-60°	761.0	72.7
0°-90°	1007.5	96.3
90°-120°	38.7	3.7
90°-150°	38.7	3.7
90°-180°	39.0	3.7
0°-180°	1046.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	904	
5°	894	83
15°	493	145
25°	286	133
35°	208	132
45°	177	137
55°	147	132
65°	111	110
75°	77	81
85°	50	43
90°	40	22
95°	31	22
105°	5	7
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°	903.8
2.5°	902.5
5°	893.6
7.5°	873.2
10°	815.7
12.5°	658.7
15°	492.7
17.5°	404.7
20°	351.0
22.5°	314.0
25°	285.9
27.5°	263.0
30°	241.3
32.5°	222.1
35°	208.1
37.5°	197.9
40°	190.2
42.5°	183.8
45°	177.4
47.5°	171.1
50°	163.4
52.5°	155.7
55°	146.8
57.5°	139.1
60°	130.2
62.5°	120.0
65°	111.1
67.5°	102.1
70°	93.2
72.5°	84.3
75°	76.6
77.5°	68.9
80°	62.6
82.5°	56.2
85°	49.8
87.5°	44.7
90°	39.6
92.5°	35.7
95°	30.6
97.5°	23.0
100°	15.3
102.5°	8.9
105°	5.1
107.5°	2.6
110°	1.3

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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)