

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: P702432

Luminaire Tested: 340-6C-15-D010 / 340-EU4C-1020-9027-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702432
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-1020-9027-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

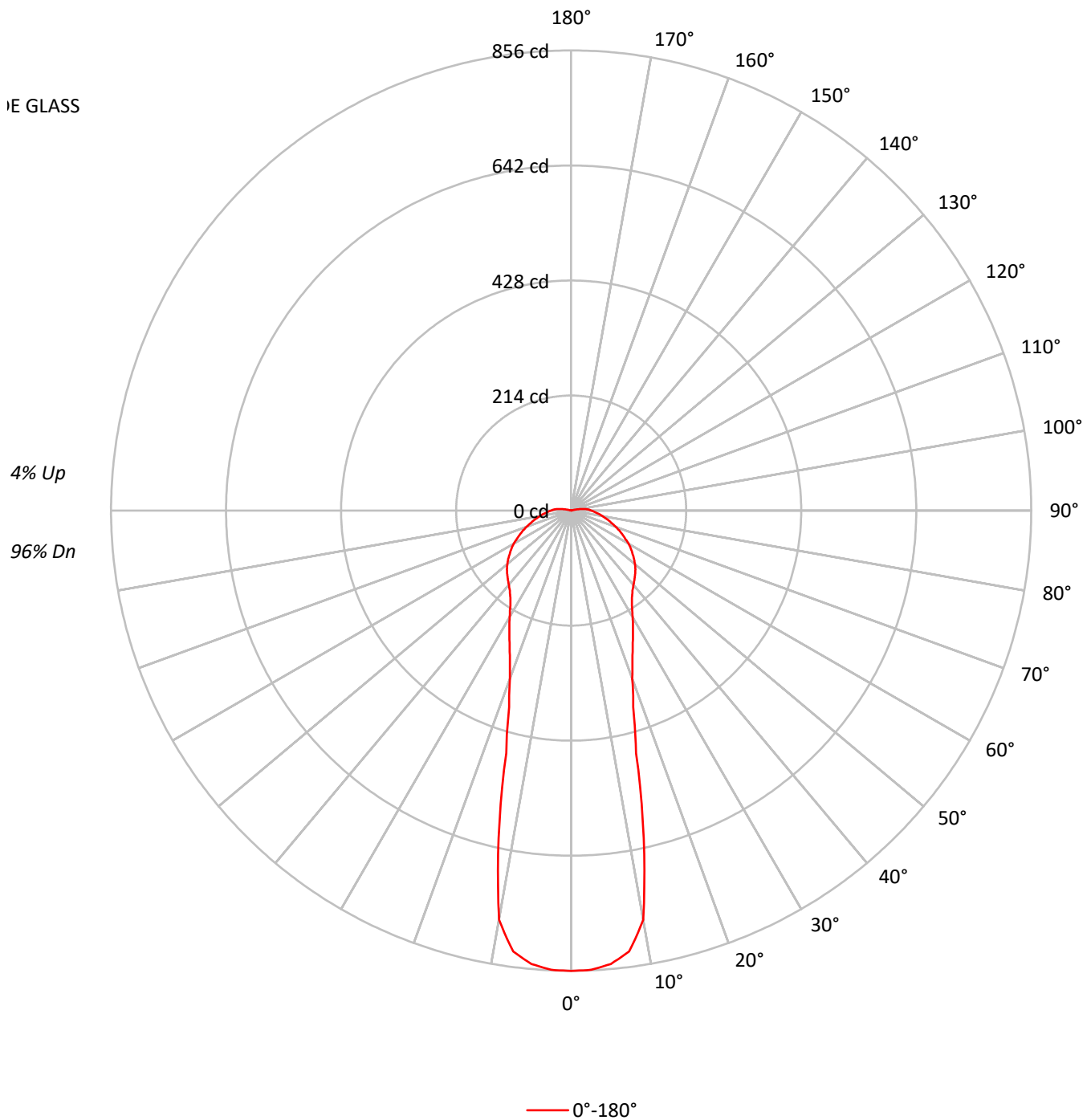
Lumens per Lamp: N/A
Luminaire Lumens: 991.2 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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°	55866
5°	49548
10°	41298
15°	23113
20°	15446
25°	11933
30°	9647
35°	8041
40°	7167
45°	6572
50°	5995
55°	5377
60°	4798
65°	4146
70°	3556
75°	3012
80°	2557
85°	2135

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6572 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	7.9
10°-20°	137.1	13.8
20°-30°	125.7	12.7
30°-40°	125.0	12.6
40°-50°	129.8	13.1
50°-60°	124.8	12.6
60°-70°	104.4	10.5
70°-80°	77.0	7.8
80°-90°	52.1	5.3
90°-100°	30.2	3.0
100°-110°	6.3	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°	341.5	34.5
0°-40°	466.5	47.1
0°-60°	721.1	72.7
0°-90°	954.5	96.3
90°-120°	36.7	3.7
90°-150°	36.7	3.7
90°-180°	37.0	3.7
0°-180°	991.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	856	
5°	847	79
15°	467	137
25°	271	126
35°	197	125
45°	168	130
55°	139	125
65°	105	104
75°	73	77
85°	47	41
90°	38	21
95°	29	20
105°	5	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°	856.3
2.5°	855.1
5°	846.6
7.5°	827.3
10°	772.9
12.5°	624.1
15°	466.9
17.5°	383.4
20°	332.6
22.5°	297.5
25°	270.9
27.5°	249.2
30°	228.6
32.5°	210.4
35°	197.1
37.5°	187.5
40°	180.2
42.5°	174.2
45°	168.1
47.5°	162.1
50°	154.8
52.5°	147.6
55°	139.1
57.5°	131.8
60°	123.4
62.5°	113.7
65°	105.2
67.5°	96.8
70°	88.3
72.5°	79.8
75°	72.6
77.5°	65.3
80°	59.3
82.5°	53.2
85°	47.2
87.5°	42.3
90°	37.5
92.5°	33.9
95°	29.0
97.5°	21.8
100°	14.5
102.5°	8.5
105°	4.8
107.5°	2.4
110°	1.2

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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)