

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: P702292

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9050-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702292
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-05-D010 / 340-EU4C-1020-9050-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

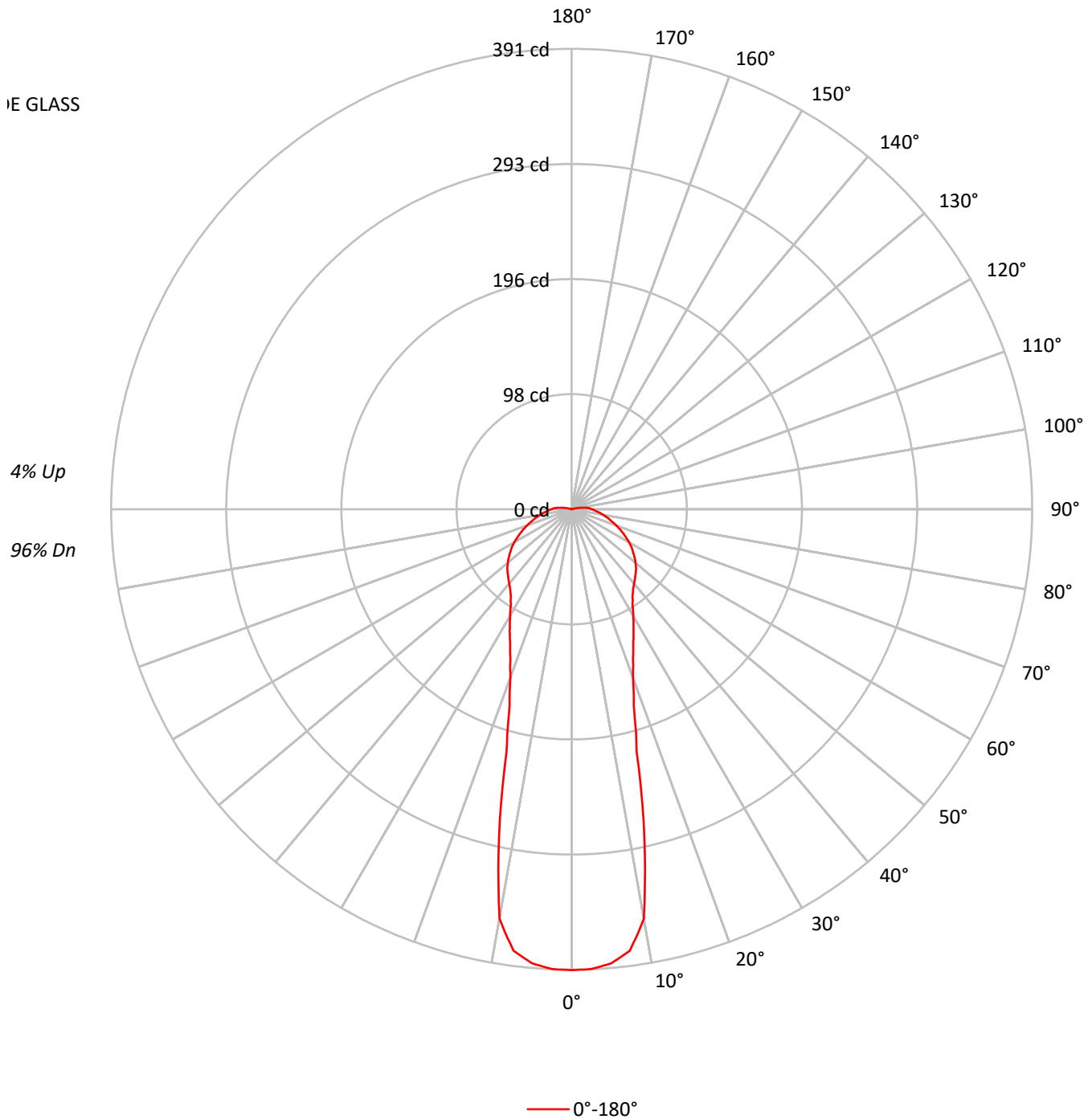
Lumens per Lamp: N/A
Luminaire Lumens: 453.1 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 7.2
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°	25535
5°	22650
10°	18873
15°	10564
20°	7059
25°	5453
30°	4410
35°	3676
40°	3277
45°	3002
50°	2742
55°	2459
60°	2193
65°	1896
70°	1627
75°	1377
80°	1169
85°	977

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3002 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	7.9
10°-20°	62.6	13.8
20°-30°	57.5	12.7
30°-40°	57.1	12.6
40°-50°	59.3	13.1
50°-60°	57.0	12.6
60°-70°	47.7	10.5
70°-80°	35.2	7.8
80°-90°	23.8	5.3
90°-100°	13.8	3.1
100°-110°	2.9	0.6
110°-120°	0.1	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°	156.1	34.4
0°-40°	213.2	47.1
0°-60°	329.6	72.7
0°-90°	436.3	96.3
90°-120°	16.8	3.7
90°-150°	16.8	3.7
90°-180°	17.0	3.8
0°-180°	453.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	391	
5°	387	36
15°	213	63
25°	124	57
35°	90	57
45°	77	59
55°	64	57
65°	48	48
75°	33	35
85°	22	19
90°	17	9
95°	13	9
105°	2	3
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°	391.4
2.5°	390.8
5°	387.0
7.5°	378.1
10°	353.2
12.5°	285.2
15°	213.4
17.5°	175.2
20°	152.0
22.5°	136.0
25°	123.8
27.5°	113.9
30°	104.5
32.5°	96.2
35°	90.1
37.5°	85.7
40°	82.4
42.5°	79.6
45°	76.8
47.5°	74.1
50°	70.8
52.5°	67.4
55°	63.6
57.5°	60.3
60°	56.4
62.5°	52.0
65°	48.1
67.5°	44.2
70°	40.4
72.5°	36.5
75°	33.2
77.5°	29.9
80°	27.1
82.5°	24.3
85°	21.6
87.5°	19.3
90°	17.1
92.5°	15.5
95°	13.3
97.5°	10.0
100°	6.6
102.5°	3.9
105°	2.2
107.5°	1.1
110°	0.6

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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)