

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: P702285

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9040-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702285
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-1020-9040-4LBW1LI-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

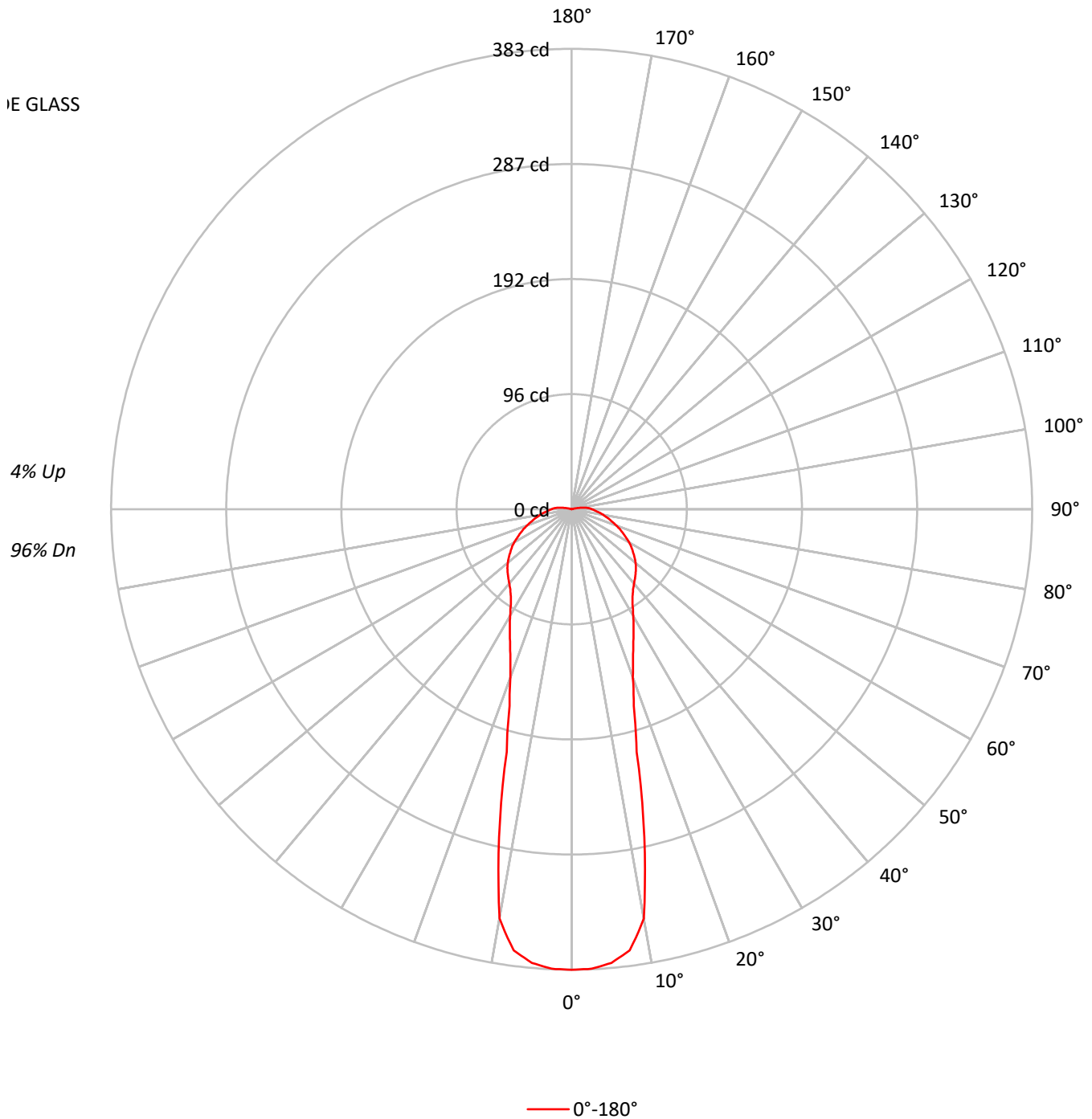
Lumens per Lamp: N/A
Luminaire Lumens: 443.5 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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°	24994
5°	22170
10°	18477
15°	10341
20°	6910
25°	5339
30°	4317
35°	3598
40°	3206
45°	2940
50°	2684
55°	2404
60°	2146
65°	1856
70°	1591
75°	1348
80°	1143
85°	955

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2940 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	7.9
10°-20°	61.3	13.8
20°-30°	56.2	12.7
30°-40°	55.9	12.6
40°-50°	58.1	13.1
50°-60°	55.8	12.6
60°-70°	46.7	10.5
70°-80°	34.4	7.8
80°-90°	23.3	5.3
90°-100°	13.5	3.1
100°-110°	2.8	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°	152.8	34.5
0°-40°	208.7	47.1
0°-60°	322.6	72.7
0°-90°	427.1	96.3
90°-120°	16.4	3.7
90°-150°	16.4	3.7
90°-180°	16.0	3.6
0°-180°	443.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	383	
5°	379	35
15°	209	61
25°	121	56
35°	88	56
45°	75	58
55°	62	56
65°	47	47
75°	32	34
85°	21	18
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°	383.1
2.5°	382.6
5°	378.8
7.5°	370.1
10°	345.8
12.5°	279.2
15°	208.9
17.5°	171.5
20°	148.8
22.5°	133.1
25°	121.2
27.5°	111.5
30°	102.3
32.5°	94.2
35°	88.2
37.5°	83.9
40°	80.6
42.5°	77.9
45°	75.2
47.5°	72.5
50°	69.3
52.5°	66.0
55°	62.2
57.5°	59.0
60°	55.2
62.5°	50.9
65°	47.1
67.5°	43.3
70°	39.5
72.5°	35.7
75°	32.5
77.5°	29.2
80°	26.5
82.5°	23.8
85°	21.1
87.5°	18.9
90°	16.8
92.5°	15.2
95°	13.0
97.5°	9.7
100°	6.5
102.5°	3.8
105°	2.2
107.5°	1.1
110°	0.5

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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)