

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: P702488

Luminaire Tested: 340-6C-20-D010 / 340-EU4C-1020-9027-4LBW1LI-GFF

Issue Date: 8/30/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P702488  
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-20-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**

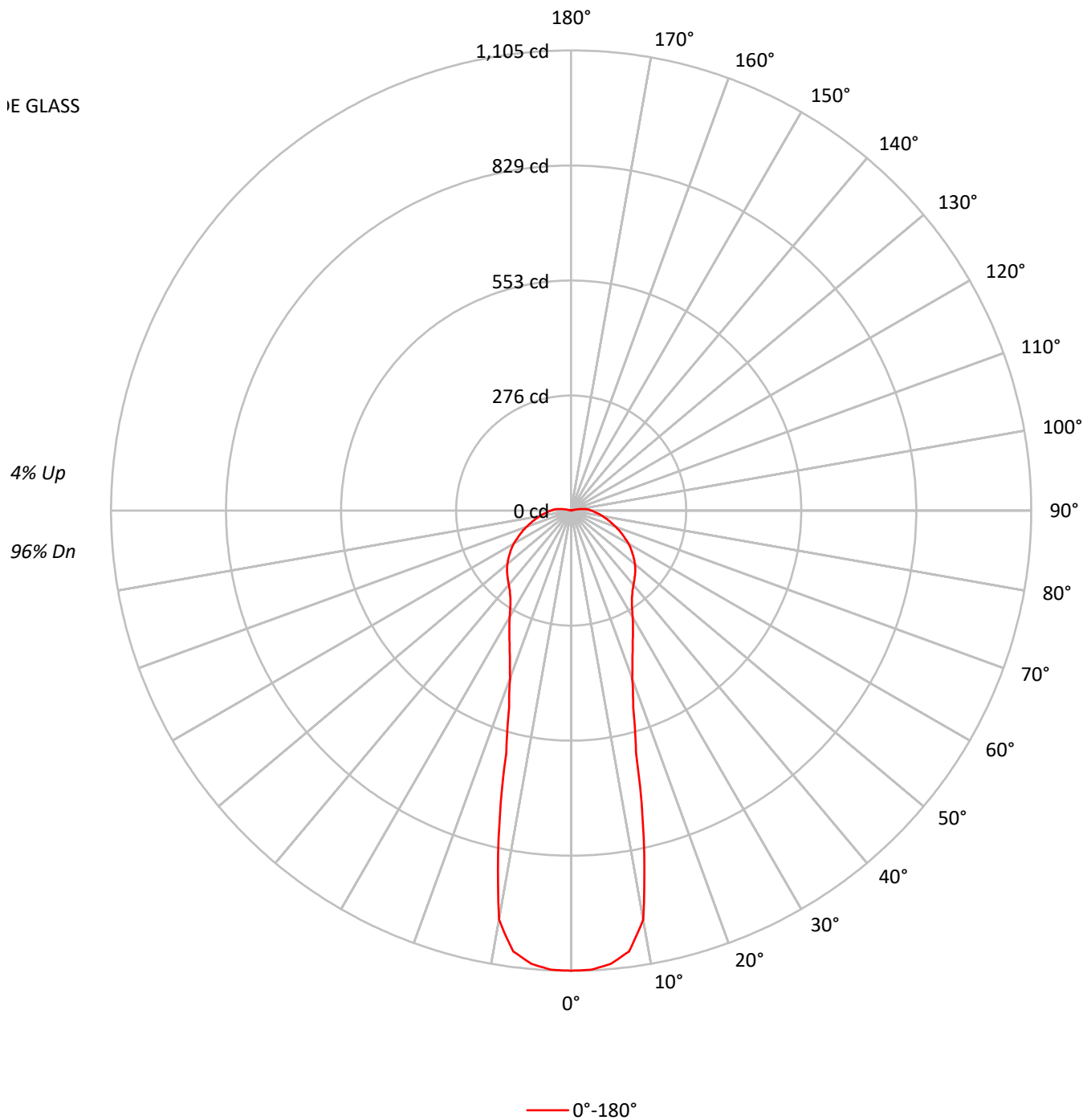
Lumens per Lamp: N/A  
Luminaire Lumens: 1279.0 lumens  
Efficiency: N/A  
Efficacy: 58.7 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63  
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')  
CIE Type: Direct

Input Watts (W): 21.8  
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°	72091
5°	63940
10°	53289
15°	29825
20°	19932
25°	15400
30°	12448
35°	10378
40°	9252
45°	8480
50°	7738
55°	6939
60°	6190
65°	5352
70°	4587
75°	3883
80°	3299
85°	2755

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8480 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.6	7.9
10°-20°	176.9	13.8
20°-30°	162.2	12.7
30°-40°	161.3	12.6
40°-50°	167.5	13.1
50°-60°	161.0	12.6
60°-70°	134.7	10.5
70°-80°	99.3	7.8
80°-90°	67.2	5.3
90°-100°	39.0	3.0
100°-110°	8.1	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°	440.7	34.5
0°-40°	601.9	47.1
0°-60°	930.5	72.7
0°-90°	1231.7	96.3
90°-120°	47.3	3.7
90°-150°	47.3	3.7
90°-180°	47.0	3.7
0°-180°	1279.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1105	
5°	1092	102
15°	602	177
25°	350	162
35°	254	161
45°	217	168
55°	180	161
65°	136	135
75°	94	99
85°	61	53
90°	48	27
95°	38	26
105°	6	8
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°	1105.0
2.5°	1103.5
5°	1092.5
7.5°	1067.6
10°	997.3
12.5°	805.4
15°	602.5
17.5°	494.8
20°	429.2
22.5°	383.9
25°	349.6
27.5°	321.5
30°	295.0
32.5°	271.6
35°	254.4
37.5°	241.9
40°	232.6
42.5°	224.7
45°	216.9
47.5°	209.1
50°	199.8
52.5°	190.4
55°	179.5
57.5°	170.1
60°	159.2
62.5°	146.7
65°	135.8
67.5°	124.9
70°	113.9
72.5°	103.0
75°	93.6
77.5°	84.3
80°	76.5
82.5°	68.7
85°	60.9
87.5°	54.6
90°	48.4
92.5°	43.7
95°	37.5
97.5°	28.1
100°	18.7
102.5°	10.9
105°	6.2
107.5°	3.1
110°	1.6

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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)