

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: P702754

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702754
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-40-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

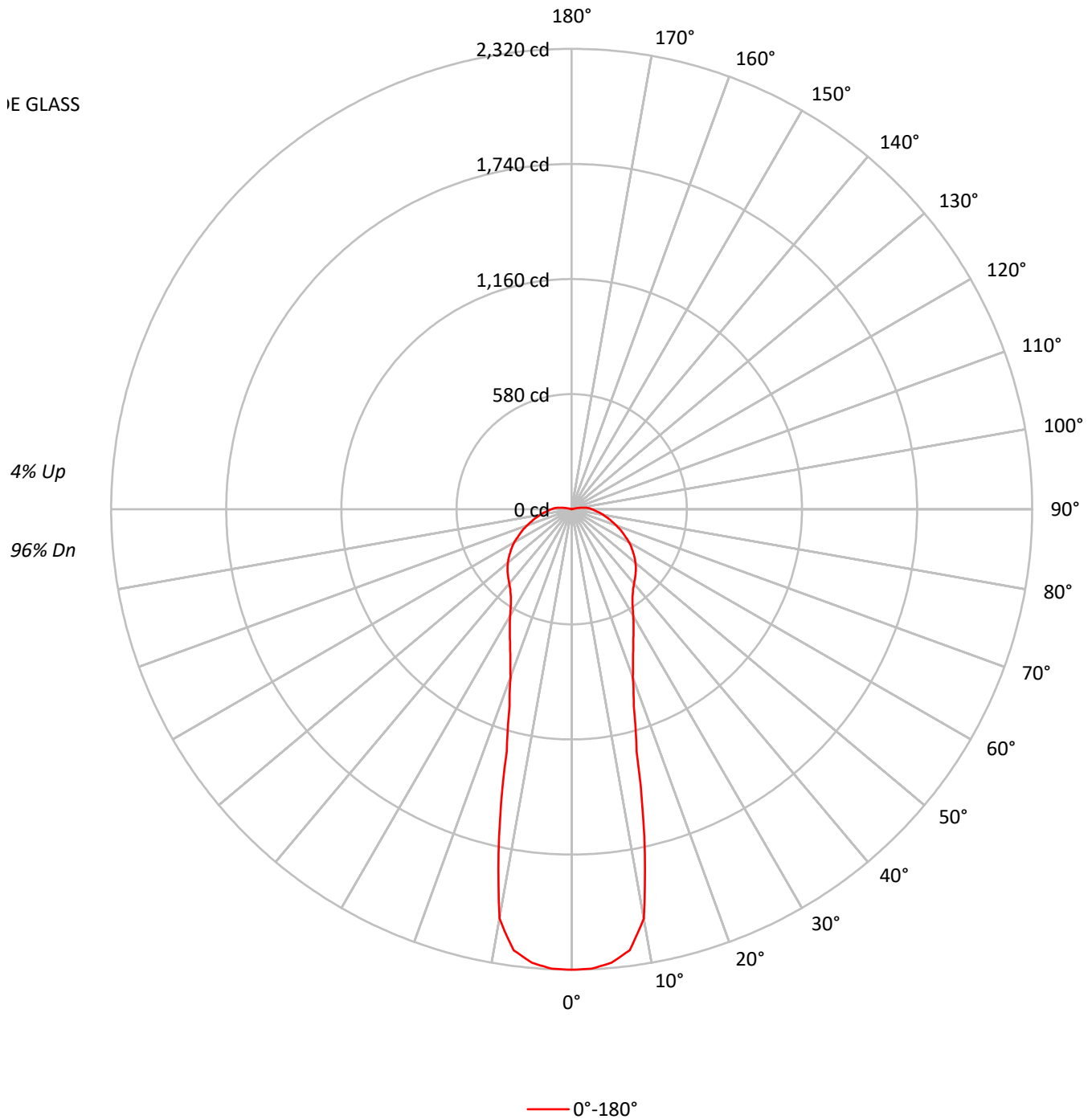
Lumens per Lamp: N/A
Luminaire Lumens: 2685.5 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 47
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°	151365
5°	134247
10°	111884
15°	62615
20°	41851
25°	32332
30°	26133
35°	21788
40°	19422
45°	17807
50°	16242
55°	14566
60°	12995
65°	11237
70°	9633
75°	8156
80°	6925
85°	5782

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17807 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.3	7.9
10°-20°	371.3	13.8
20°-30°	340.6	12.7
30°-40°	338.6	12.6
40°-50°	351.7	13.1
50°-60°	338.1	12.6
60°-70°	282.8	10.5
70°-80°	208.6	7.8
80°-90°	141.2	5.3
90°-100°	81.9	3.0
100°-110°	17.0	0.6
110°-120°	0.4	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°	925.2	34.5
0°-40°	1263.8	47.1
0°-60°	1953.6	72.7
0°-90°	2586.1	96.3
90°-120°	99.3	3.7
90°-150°	99.3	3.7
90°-180°	99.0	3.7
0°-180°	2685.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2320	
5°	2294	213
15°	1265	371
25°	734	341
35°	534	339
45°	456	352
55°	377	338
65°	285	283
75°	197	209
85°	128	112
90°	102	56
95°	79	55
105°	13	17
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°	2320.1
2.5°	2316.8
5°	2293.8
7.5°	2241.4
10°	2093.9
12.5°	1690.9
15°	1264.9
17.5°	1038.8
20°	901.2
22.5°	806.1
25°	734.0
27.5°	675.0
30°	619.3
32.5°	570.2
35°	534.1
37.5°	507.9
40°	488.3
42.5°	471.9
45°	455.5
47.5°	439.1
50°	419.4
52.5°	399.8
55°	376.8
57.5°	357.2
60°	334.2
62.5°	308.0
65°	285.1
67.5°	262.2
70°	239.2
72.5°	216.3
75°	196.6
77.5°	177.0
80°	160.6
82.5°	144.2
85°	127.8
87.5°	114.7
90°	101.6
92.5°	91.8
95°	78.6
97.5°	59.0
100°	39.3
102.5°	22.9
105°	13.1
107.5°	6.6
110°	3.3

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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)