

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: P702740

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9050-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702740
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-3040-9050-4LBW1LI-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

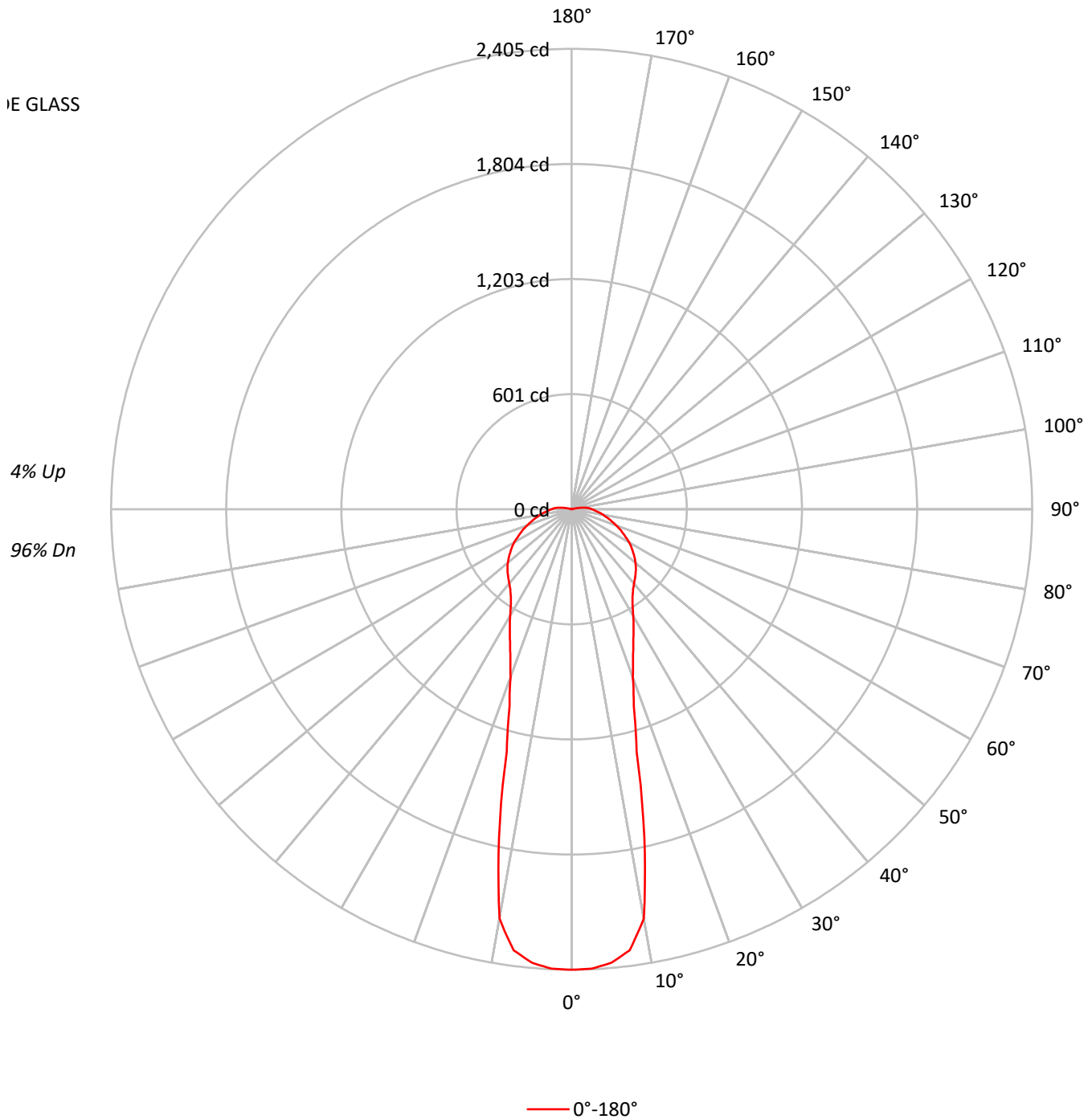
Lumens per Lamp: N/A
Luminaire Lumens: 2783.9 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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°	156910
5°	139169
10°	115987
15°	64907
20°	43384
25°	33517
30°	27091
35°	22588
40°	20134
45°	18460
50°	16838
55°	15103
60°	13473
65°	11647
70°	9987
75°	8455
80°	7179
85°	5995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18460 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.1	7.9
10°-20°	384.9	13.8
20°-30°	353.1	12.7
30°-40°	351.0	12.6
40°-50°	364.6	13.1
50°-60°	350.5	12.6
60°-70°	293.2	10.5
70°-80°	216.2	7.8
80°-90°	146.3	5.3
90°-100°	84.9	3.0
100°-110°	17.7	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°	959.1	34.5
0°-40°	1310.1	47.1
0°-60°	2025.2	72.7
0°-90°	2680.9	96.3
90°-120°	103.0	3.7
90°-150°	103.0	3.7
90°-180°	103.0	3.7
0°-180°	2783.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2405	
5°	2378	221
15°	1311	385
25°	761	353
35°	554	351
45°	472	365
55°	391	350
65°	296	293
75°	204	216
85°	132	116
90°	105	58
95°	82	57
105°	14	18
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°	2405.1
2.5°	2401.7
5°	2377.9
7.5°	2323.5
10°	2170.7
12.5°	1752.9
15°	1311.2
17.5°	1076.8
20°	934.2
22.5°	835.7
25°	760.9
27.5°	699.8
30°	642.0
32.5°	591.1
35°	553.7
37.5°	526.5
40°	506.2
42.5°	489.2
45°	472.2
47.5°	455.2
50°	434.8
52.5°	414.4
55°	390.7
57.5°	370.3
60°	346.5
62.5°	319.3
65°	295.5
67.5°	271.8
70°	248.0
72.5°	224.2
75°	203.8
77.5°	183.4
80°	166.5
82.5°	149.5
85°	132.5
87.5°	118.9
90°	105.3
92.5°	95.1
95°	81.5
97.5°	61.1
100°	40.8
102.5°	23.8
105°	13.6
107.5°	6.8
110°	3.4

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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)