

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: P702362

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9730-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702362
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-08-D010 / 340-EU4C-1020-9730-4LBW1LI-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

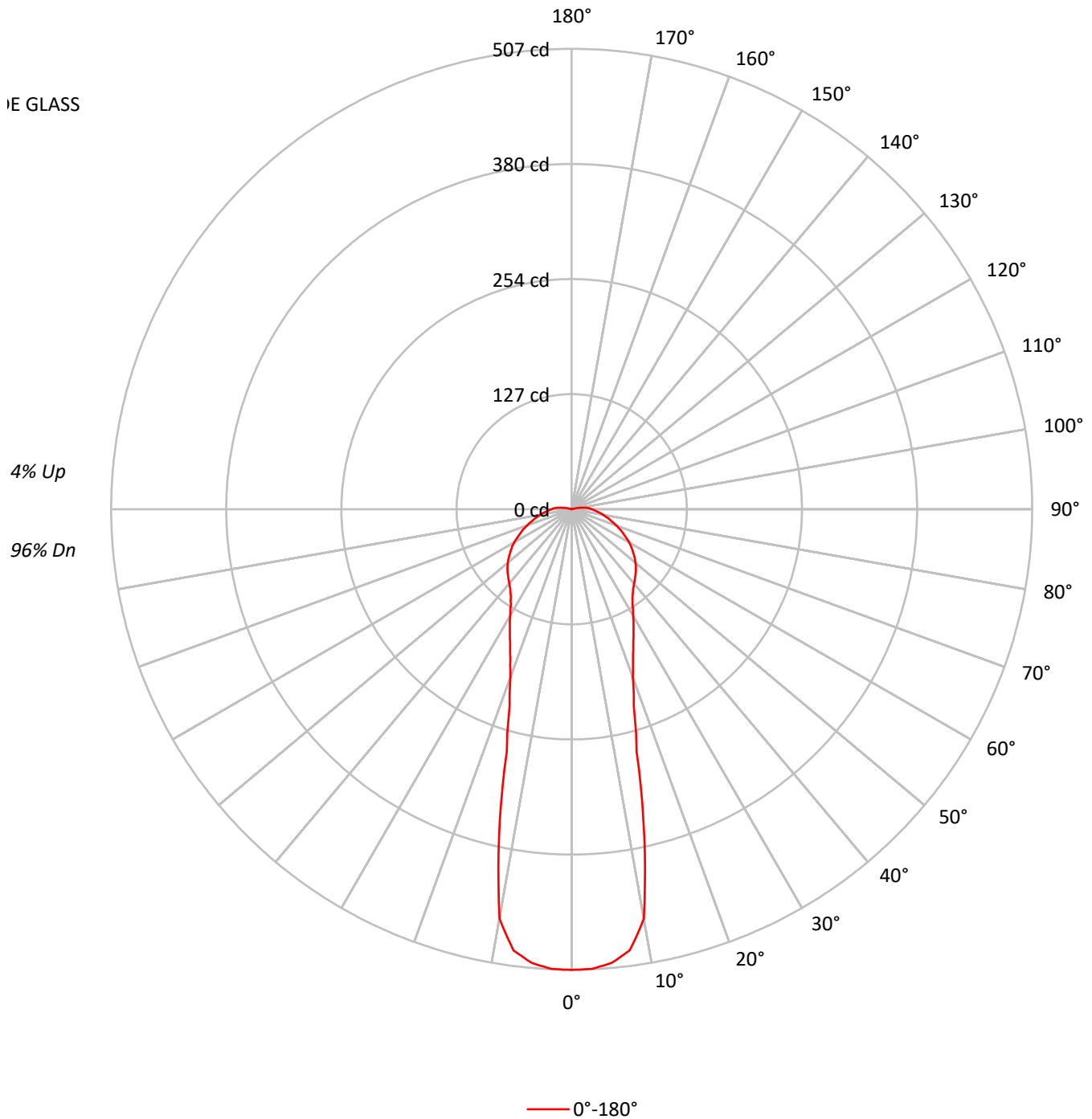
Lumens per Lamp: N/A
Luminaire Lumens: 587.2 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 9.9
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

TEST NUMBER: P702362

CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9730-4LBW1LI-GFF

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°	33097
5°	29357
10°	24462
15°	13692
20°	9149
25°	7070
30°	5714
35°	4765
40°	4248
45°	3894
50°	3551
55°	3185
60°	2842
65°	2456
70°	2106
75°	1784
80°	1513
85°	1262

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3894 cd/sqm

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CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9730-4LBW1LI-GFF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	7.9
10°-20°	81.2	13.8
20°-30°	74.5	12.7
30°-40°	74.1	12.6
40°-50°	76.9	13.1
50°-60°	73.9	12.6
60°-70°	61.8	10.5
70°-80°	45.6	7.8
80°-90°	30.8	5.3
90°-100°	17.9	3.1
100°-110°	3.7	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°	202.3	34.5
0°-40°	276.3	47.1
0°-60°	427.2	72.7
0°-90°	565.5	96.3
90°-120°	21.7	3.7
90°-150°	21.7	3.7
90°-180°	22.0	3.7
0°-180°	587.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	507	
5°	502	47
15°	277	81
25°	160	74
35°	117	74
45°	100	77
55°	82	74
65°	62	62
75°	43	46
85°	28	24
90°	22	12
95°	17	12
105°	3	4
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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CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9730-4LBW1LI-GFF

CANDELA DISTRIBUTION (FULL):

0°	
0°	507.3
2.5°	506.6
5°	501.6
7.5°	490.1
10°	457.8
12.5°	369.7
15°	276.6
17.5°	227.1
20°	197.0
22.5°	176.3
25°	160.5
27.5°	147.6
30°	135.4
32.5°	124.7
35°	116.8
37.5°	111.1
40°	106.8
42.5°	103.2
45°	99.6
47.5°	96.0
50°	91.7
52.5°	87.4
55°	82.4
57.5°	78.1
60°	73.1
62.5°	67.4
65°	62.3
67.5°	57.3
70°	52.3
72.5°	47.3
75°	43.0
77.5°	38.7
80°	35.1
82.5°	31.5
85°	27.9
87.5°	25.1
90°	22.2
92.5°	20.1
95°	17.2
97.5°	12.9
100°	8.6
102.5°	5.0
105°	2.9
107.5°	1.4
110°	0.7

TEST NUMBER: P702362

CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9730-4LBW1LI-GFF

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)