

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: P702348

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9050-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702348
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-1020-9050-4LBW1LI-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

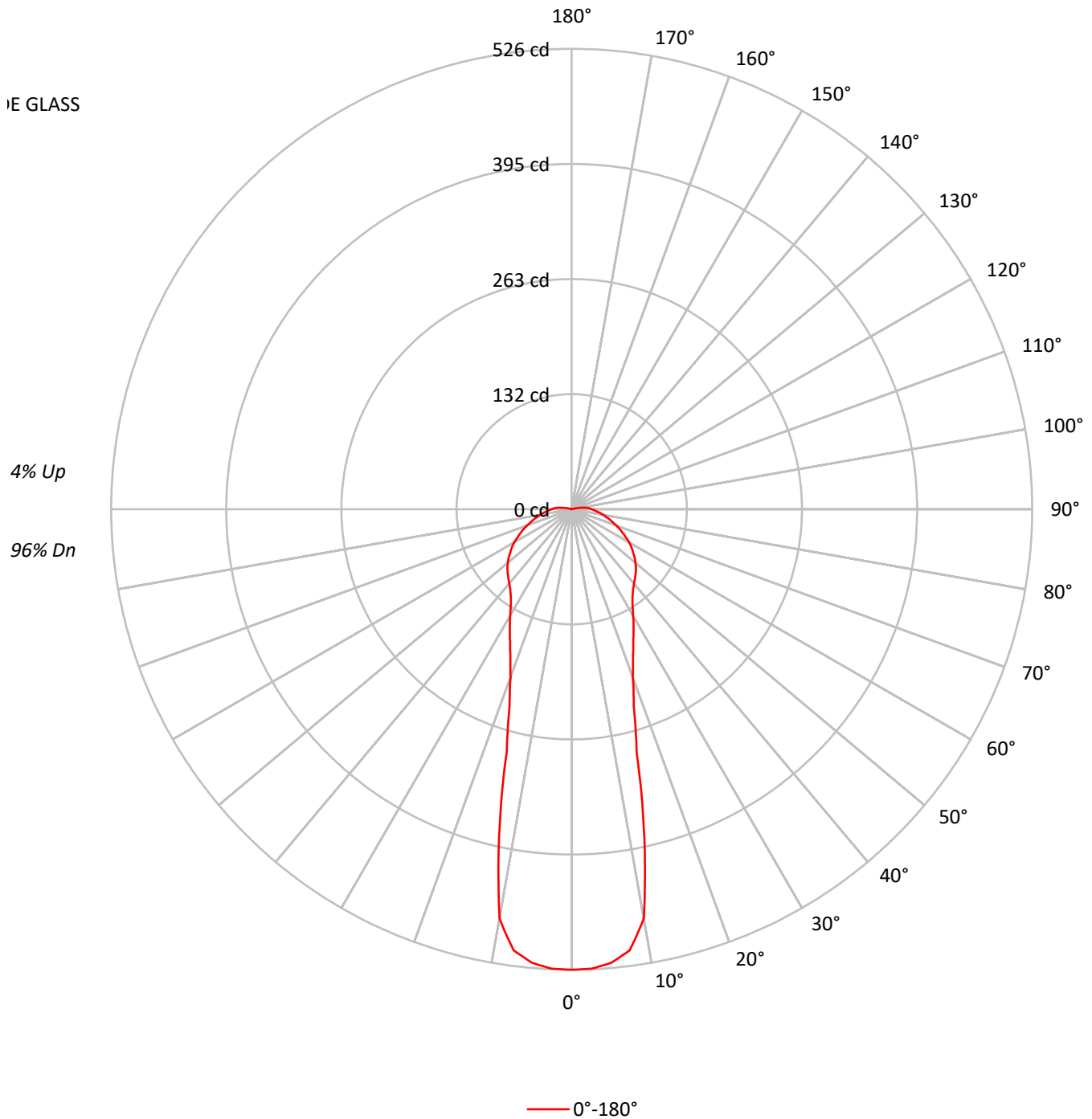
Lumens per Lamp: N/A
Luminaire Lumens: 608.9 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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: P702348

CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9050-4LBW1LI-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	50	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°	34323
5°	30439
10°	25370
15°	14197
20°	9488
25°	7330
30°	5925
35°	4940
40°	4403
45°	4038
50°	3683
55°	3305
60°	2947
65°	2546
70°	2183
75°	1850
80°	1570
85°	1312

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4038 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	7.9
10°-20°	84.2	13.8
20°-30°	77.2	12.7
30°-40°	76.8	12.6
40°-50°	79.8	13.1
50°-60°	76.7	12.6
60°-70°	64.1	10.5
70°-80°	47.3	7.8
80°-90°	32.0	5.3
90°-100°	18.6	3.0
100°-110°	3.9	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°	209.8	34.5
0°-40°	286.6	47.1
0°-60°	443.0	72.8
0°-90°	586.4	96.3
90°-120°	22.5	3.7
90°-150°	22.5	3.7
90°-180°	23.0	3.8
0°-180°	608.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	526	
5°	520	48
15°	287	84
25°	166	77
35°	121	77
45°	103	80
55°	86	77
65°	65	64
75°	45	47
85°	29	25
90°	23	13
95°	18	13
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	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	526.1
2.5°	525.3
5°	520.1
7.5°	508.2
10°	474.8
12.5°	383.4
15°	286.8
17.5°	235.5
20°	204.3
22.5°	182.8
25°	166.4
27.5°	153.1
30°	140.4
32.5°	129.3
35°	121.1
37.5°	115.2
40°	110.7
42.5°	107.0
45°	103.3
47.5°	99.6
50°	95.1
52.5°	90.7
55°	85.5
57.5°	81.0
60°	75.8
62.5°	69.8
65°	64.6
67.5°	59.4
70°	54.2
72.5°	49.0
75°	44.6
77.5°	40.1
80°	36.4
82.5°	32.7
85°	29.0
87.5°	26.0
90°	23.0
92.5°	20.8
95°	17.8
97.5°	13.4
100°	8.9
102.5°	5.2
105°	3.0
107.5°	1.5
110°	0.7

TEST NUMBER: P702348

CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9050-4LBW1LI-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)