

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: P702677

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9040-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702677
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-35-D010 / 340-EU4C-3040-9040-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

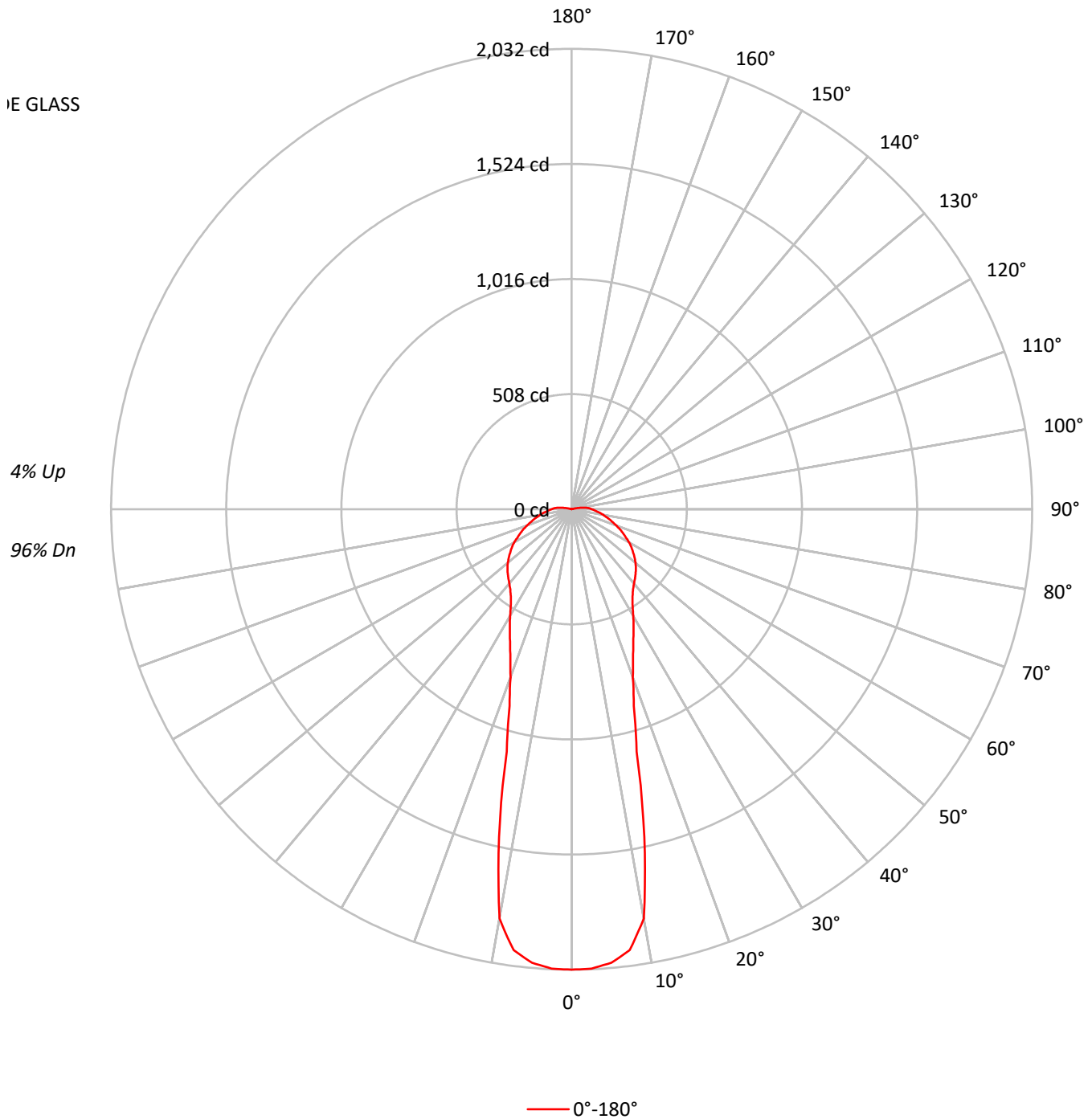
Lumens per Lamp: N/A
Luminaire Lumens: 2351.9 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 40.4
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: P702677

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9040-4LBW1LI-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°	132569
5°	117579
10°	97991
15°	54839
20°	36650
25°	28319
30°	22888
35°	19084
40°	17008
45°	15595
50°	14228
55°	12757
60°	11381
65°	9842
70°	8437
75°	7144
80°	6063
85°	5063

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15595 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.8	7.9
10°-20°	325.2	13.8
20°-30°	298.3	12.7
30°-40°	296.5	12.6
40°-50°	308.1	13.1
50°-60°	296.1	12.6
60°-70°	247.7	10.5
70°-80°	182.7	7.8
80°-90°	123.6	5.3
90°-100°	71.7	3.0
100°-110°	14.9	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°	810.3	34.5
0°-40°	1106.8	47.1
0°-60°	1711.0	72.7
0°-90°	2264.9	96.3
90°-120°	87.0	3.7
90°-150°	87.0	3.7
90°-180°	87.0	3.7
0°-180°	2351.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2032	
5°	2009	187
15°	1108	325
25°	643	298
35°	468	297
45°	399	308
55°	330	296
65°	250	248
75°	172	183
85°	112	98
90°	89	49
95°	69	49
105°	12	15
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0

TEST NUMBER: P702677

CATALOG NUMBER: 340-6C-35-D010 / 340-EU4C-3040-9040-4LBW1LI-GFF

CANDELA DISTRIBUTION (FULL):

0°	
0°	2032.0
2.5°	2029.1
5°	2009.0
7.5°	1963.1
10°	1833.9
12.5°	1480.9
15°	1107.8
17.5°	909.8
20°	789.2
22.5°	706.0
25°	642.9
27.5°	591.2
30°	542.4
32.5°	499.4
35°	467.8
37.5°	444.8
40°	427.6
42.5°	413.3
45°	398.9
47.5°	384.6
50°	367.4
52.5°	350.1
55°	330.0
57.5°	312.8
60°	292.7
62.5°	269.8
65°	249.7
67.5°	229.6
70°	209.5
72.5°	189.4
75°	172.2
77.5°	155.0
80°	140.6
82.5°	126.3
85°	111.9
87.5°	100.4
90°	89.0
92.5°	80.4
95°	68.9
97.5°	51.7
100°	34.4
102.5°	20.1
105°	11.5
107.5°	5.7
110°	2.9

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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)