

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: P702586

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702586
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-25-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

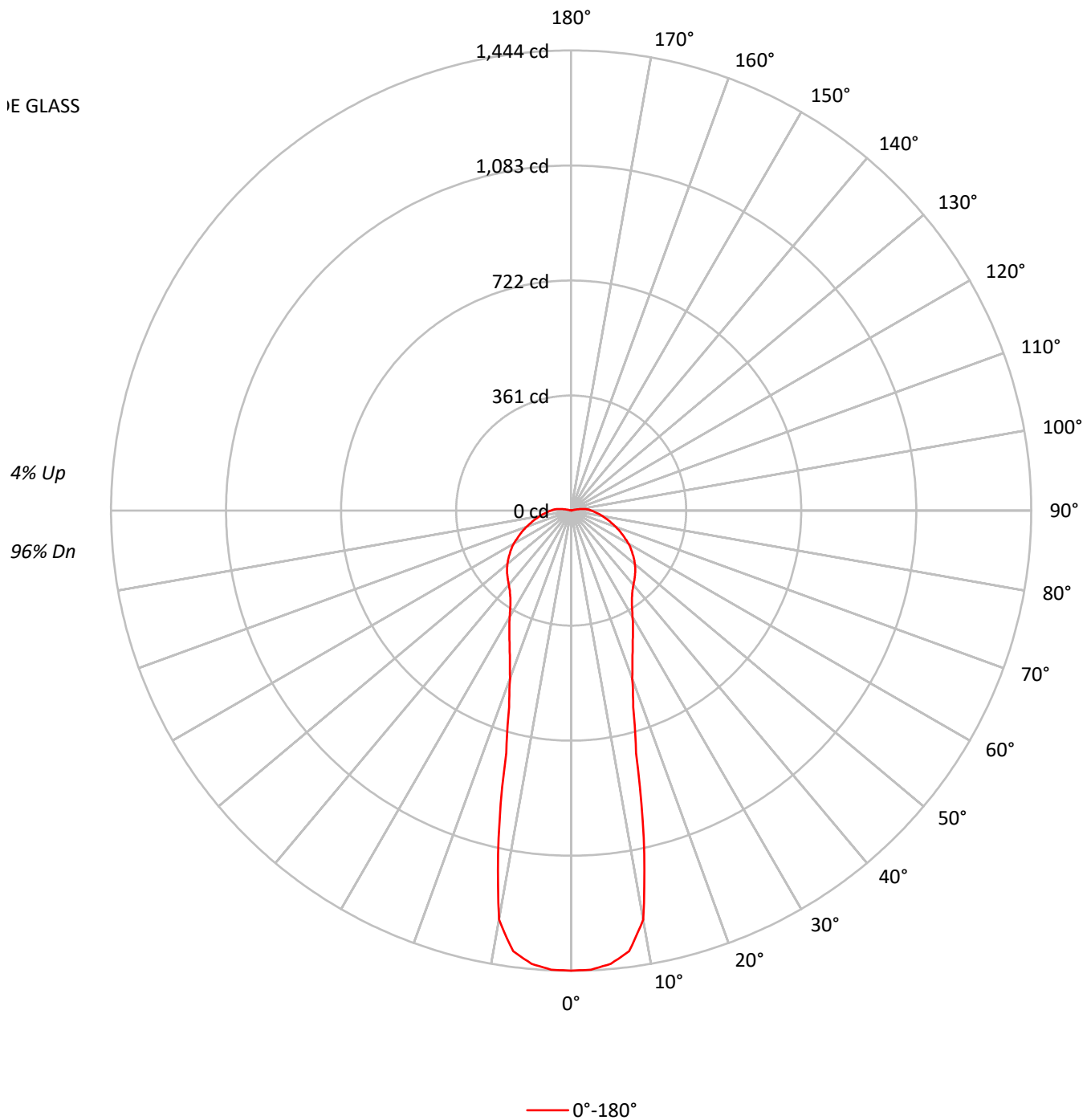
Lumens per Lamp: N/A
Luminaire Lumens: 1671.2 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.5
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: P702586

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF

Luminous Intensity Polar Plot



TEST NUMBER: P702586

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF

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°	94194
5°	83546
10°	69629
15°	38968
20°	26043
25°	20122
30°	16263
35°	13560
40°	12087
45°	11083
50°	10108
55°	9065
60°	8088
65°	6992
70°	5996
75°	5078
80°	4308
85°	3597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11083 cd/sqm

TEST NUMBER: P702586

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	7.9
10°-20°	231.1	13.8
20°-30°	212.0	12.7
30°-40°	210.7	12.6
40°-50°	218.9	13.1
50°-60°	210.4	12.6
60°-70°	176.0	10.5
70°-80°	129.8	7.8
80°-90°	87.8	5.3
90°-100°	50.9	3.0
100°-110°	10.6	0.6
110°-120°	0.3	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°	575.8	34.5
0°-40°	786.5	47.1
0°-60°	1215.8	72.7
0°-90°	1609.4	96.3
90°-120°	61.8	3.7
90°-150°	61.8	3.7
90°-180°	62.0	3.7
0°-180°	1671.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1444	
5°	1428	133
15°	787	231
25°	457	212
35°	332	211
45°	284	219
55°	234	210
65°	177	176
75°	122	130
85°	80	69
90°	63	35
95°	49	34
105°	8	11
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: P702586

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF

CANDELA DISTRIBUTION (FULL):

0°	
0°	1443.8
2.5°	1441.8
5°	1427.5
7.5°	1394.9
10°	1303.1
12.5°	1052.3
15°	787.2
17.5°	646.5
20°	560.8
22.5°	501.7
25°	456.8
27.5°	420.1
30°	385.4
32.5°	354.8
35°	332.4
37.5°	316.1
40°	303.9
42.5°	293.7
45°	283.5
47.5°	273.3
50°	261.0
52.5°	248.8
55°	234.5
57.5°	222.3
60°	208.0
62.5°	191.7
65°	177.4
67.5°	163.1
70°	148.9
72.5°	134.6
75°	122.4
77.5°	110.1
80°	99.9
82.5°	89.7
85°	79.5
87.5°	71.4
90°	63.2
92.5°	57.1
95°	48.9
97.5°	36.7
100°	24.5
102.5°	14.3
105°	8.2
107.5°	4.1
110°	2.0

TEST NUMBER: P702586

CATALOG NUMBER: 340-6C-25-D010 / 340-EU4C-3040-9730-4LBW1LI-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)