

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: P702642

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702642
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-30-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

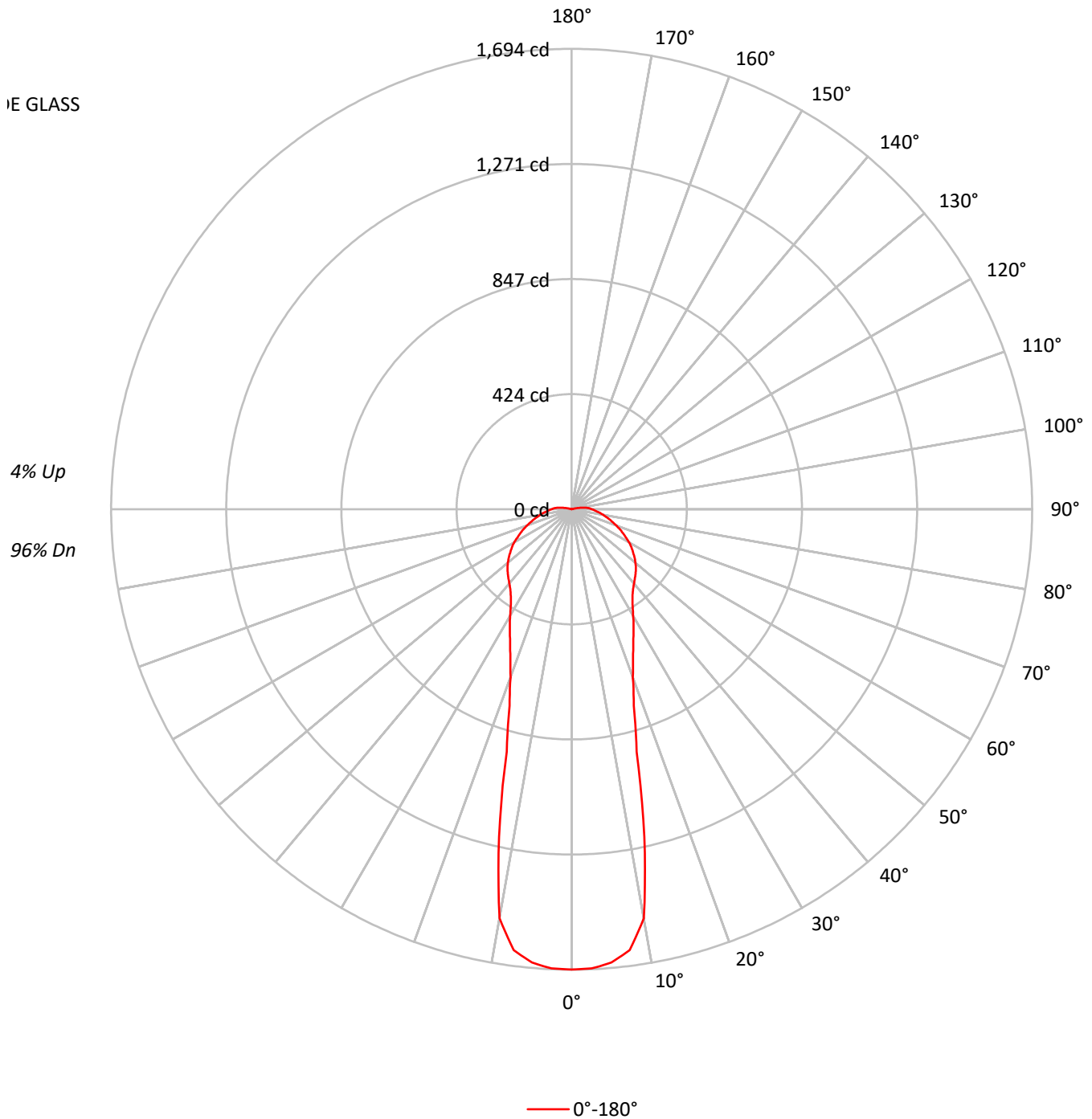
Lumens per Lamp: N/A
Luminaire Lumens: 1960.2 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.6
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: P702642

CATALOG NUMBER: 340-6C-30-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF

Luminous Intensity Polar Plot



TEST NUMBER: P702642

CATALOG NUMBER: 340-6C-30-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°	110485
5°	97990
10°	81667
15°	45705
20°	30548
25°	23601
30°	19078
35°	15906
40°	14176
45°	12999
50°	11858
55°	10635
60°	9488
65°	8202
70°	7031
75°	5953
80°	5054
85°	4221

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12999 cd/sqm

TEST NUMBER: P702642

CATALOG NUMBER: 340-6C-30-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.7	7.9
10°-20°	271.0	13.8
20°-30°	248.6	12.7
30°-40°	247.2	12.6
40°-50°	256.7	13.1
50°-60°	246.8	12.6
60°-70°	206.4	10.5
70°-80°	152.2	7.8
80°-90°	103.0	5.3
90°-100°	59.8	3.0
100°-110°	12.4	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°	675.3	34.5
0°-40°	922.5	47.1
0°-60°	1426.0	72.7
0°-90°	1887.7	96.3
90°-120°	72.5	3.7
90°-150°	72.5	3.7
90°-180°	73.0	3.7
0°-180°	1960.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1694	
5°	1674	156
15°	923	271
25°	536	249
35°	390	247
45°	332	257
55°	275	247
65°	208	206
75°	144	152
85°	93	81
90°	74	41
95°	57	40
105°	10	12
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: P702642

CATALOG NUMBER: 340-6C-30-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF

CANDELA DISTRIBUTION (FULL):

0°	
0°	1693.5
2.5°	1691.1
5°	1674.3
7.5°	1636.1
10°	1528.4
12.5°	1234.2
15°	923.3
17.5°	758.2
20°	657.8
22.5°	588.4
25°	535.8
27.5°	492.7
30°	452.1
32.5°	416.2
35°	389.9
37.5°	370.7
40°	356.4
42.5°	344.4
45°	332.5
47.5°	320.5
50°	306.2
52.5°	291.8
55°	275.1
57.5°	260.7
60°	244.0
62.5°	224.8
65°	208.1
67.5°	191.4
70°	174.6
72.5°	157.9
75°	143.5
77.5°	129.2
80°	117.2
82.5°	105.2
85°	93.3
87.5°	83.7
90°	74.1
92.5°	67.0
95°	57.4
97.5°	43.1
100°	28.7
102.5°	16.7
105°	9.6
107.5°	4.8
110°	2.4

TEST NUMBER: P702642

CATALOG NUMBER: 340-6C-30-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)