

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: P702459

Luminaire Tested: 340-6C-15-D010 / 340-EU4C-1020-9050-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-15-D010 / 340-EU4C-1020-9050-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

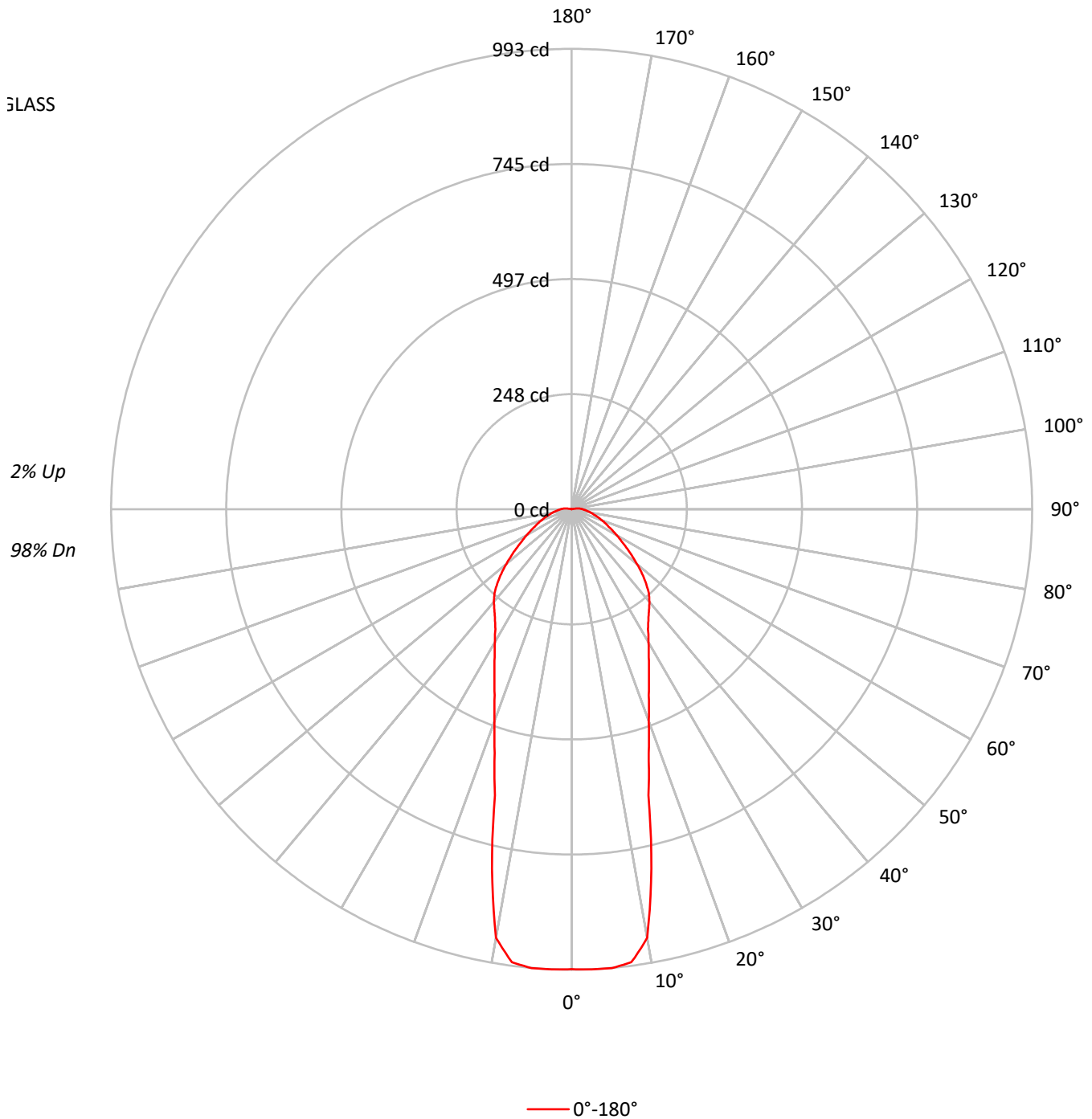
Lumens per Lamp: N/A
Luminaire Lumens: 1146.4 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 15.8
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

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CATALOG NUMBER: 340-6C-15-D010 / 340-EU4C-1020-9050-4LBW1LI-GFC

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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	109	105	101	97	106	102	99	96	98	95	92		94	91	89		90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79		84	80	77		81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69		76	71	67		73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60		69	64	60		67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54		64	58	53		62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49		59	53	48		57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44		54	49	44		53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64725
5°	58140
10°	50152
15°	31622
20°	22583
25°	17342
30°	13972
35°	11753
40°	10369
45°	8867
50°	7118
55°	5543
60°	4359
65°	3441
70°	2783
75°	2215
80°	1798
85°	1416

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8867 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	8.1
10°-20°	184.4	16.1
20°-30°	182.7	15.9
30°-40°	182.0	15.9
40°-50°	173.7	15.2
50°-60°	129.7	11.3
60°-70°	87.9	7.7
70°-80°	57.3	5.0
80°-90°	34.8	3.0
90°-100°	18.1	1.6
100°-110°	2.4	0.2
110°-120°	0.0	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°	460.4	40.2
0°-40°	642.4	56.0
0°-60°	945.8	82.5
0°-90°	1125.8	98.2
90°-120°	20.6	1.8
90°-150°	20.6	1.8
90°-180°	21.0	1.8
0°-180°	1146.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	992	
5°	993	93
15°	639	184
25°	394	183
35°	288	182
45°	227	174
55°	143	130
65°	87	88
75°	53	57
85°	31	28
90°	24	13
95°	17	12
105°	1	2
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°	992.1
2.5°	993.4
5°	993.4
7.5°	985.6
10°	938.6
12.5°	793.9
15°	638.8
17.5°	551.4
20°	486.3
22.5°	434.1
25°	393.7
27.5°	359.8
30°	331.1
32.5°	306.4
35°	288.1
37.5°	273.8
40°	260.7
42.5°	246.4
45°	226.8
47.5°	206.0
50°	183.8
52.5°	163.0
55°	143.4
57.5°	126.5
60°	112.1
62.5°	99.1
65°	87.3
67.5°	78.2
70°	69.1
72.5°	61.3
75°	53.4
77.5°	46.9
80°	41.7
82.5°	36.5
85°	31.3
87.5°	27.4
90°	23.5
92.5°	20.9
95°	16.9
97.5°	13.0
100°	7.8
102.5°	3.9
105°	1.3
107.5°	0.0
110°	0.0

TEST NUMBER: P702459

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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)