

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: P702369

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9024-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702369
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-10-D010 / 340-EU4C-1020-9024-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

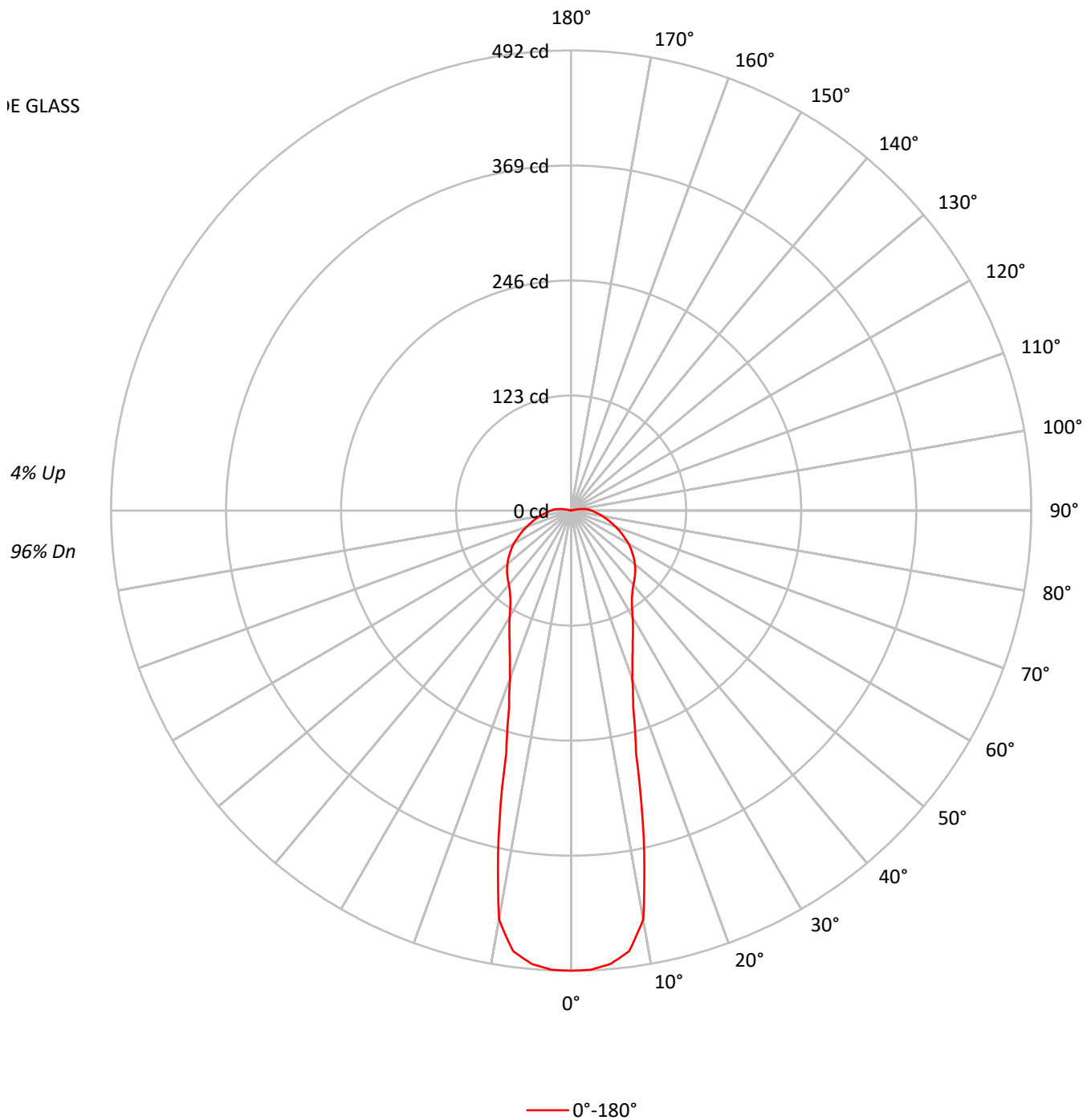
Lumens per Lamp: N/A
Luminaire Lumens: 569.4 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 9.8
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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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°	32098
5°	28467
10°	23724
15°	13276
20°	8875
25°	6854
30°	5541
35°	4622
40°	4117
45°	3776
50°	3443
55°	3089
60°	2757
65°	2385
70°	2042
75°	1730
80°	1466
85°	1226

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3776 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	7.9
10°-20°	78.7	13.8
20°-30°	72.2	12.7
30°-40°	71.8	12.6
40°-50°	74.6	13.1
50°-60°	71.7	12.6
60°-70°	60.0	10.5
70°-80°	44.2	7.8
80°-90°	29.9	5.3
90°-100°	17.4	3.0
100°-110°	3.6	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°	196.2	34.4
0°-40°	268.0	47.1
0°-60°	414.2	72.7
0°-90°	548.4	96.3
90°-120°	21.1	3.7
90°-150°	21.1	3.7
90°-180°	21.0	3.7
0°-180°	569.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	492	
5°	486	45
15°	268	79
25°	156	72
35°	113	72
45°	97	75
55°	80	72
65°	60	60
75°	42	44
85°	27	24
90°	22	12
95°	17	12
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	0

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CANDELA DISTRIBUTION (FULL):

0°	
0°	492.0
2.5°	491.3
5°	486.4
7.5°	475.3
10°	444.0
12.5°	358.5
15°	268.2
17.5°	220.3
20°	191.1
22.5°	170.9
25°	155.6
27.5°	143.1
30°	131.3
32.5°	120.9
35°	113.3
37.5°	107.7
40°	103.5
42.5°	100.1
45°	96.6
47.5°	93.1
50°	88.9
52.5°	84.8
55°	79.9
57.5°	75.7
60°	70.9
62.5°	65.3
65°	60.5
67.5°	55.6
70°	50.7
72.5°	45.9
75°	41.7
77.5°	37.5
80°	34.0
82.5°	30.6
85°	27.1
87.5°	24.3
90°	21.5
92.5°	19.5
95°	16.7
97.5°	12.5
100°	8.3
102.5°	4.9
105°	2.8
107.5°	1.4
110°	0.7

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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)