

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: P701802

Luminaire Tested: 340-4C-05-D010 / 340-EU4C-1020-9730-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P701802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-4C-05-D010 / 340-EU4C-1020-9730-4LBW1LI-GFF
Description: FARALLON 4" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

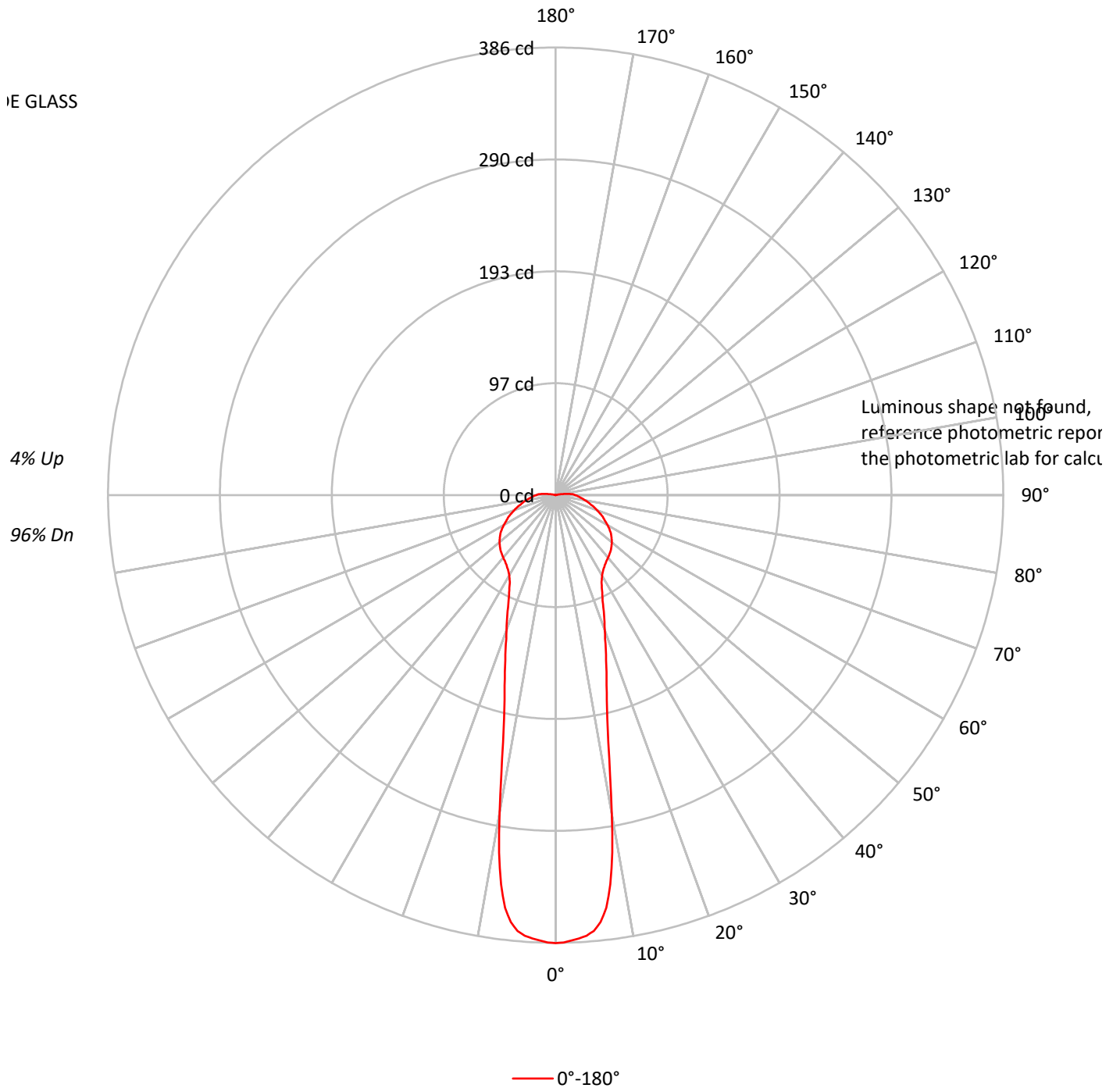
Lumens per Lamp: N/A
Luminaire Lumens: 391.6 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.54
Luminous Opening: (L: -0.34 ' x W: 0 ' x H: 0.46 '
CIE Type: Direct

Input Watts (W): 7.2
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



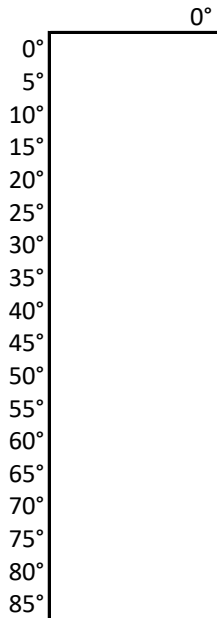
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	101	96	92	103	98	94	90	94	90	87		89	86	83		85	82	80	78
2	97	88	81	75	94	86	79	74	82	76	72		78	73	69		74	71	67	65
3	89	78	70	63	86	76	69	62	73	66	61		69	64	59		66	62	58	55
4	82	70	61	54	79	68	60	54	65	58	53		63	57	52		60	55	51	48
5	76	63	54	48	74	62	54	47	59	52	47		57	51	46		55	49	45	43
6	71	58	49	43	69	57	48	42	54	47	42		52	46	41		51	45	40	38
7	66	53	45	39	64	52	44	38	50	43	38		49	42	37		47	41	37	35
8	62	49	41	35	60	48	41	35	47	40	35		45	39	34		44	38	34	32
9	59	46	38	33	57	45	38	32	44	37	32		42	36	32		41	36	31	30
10	55	43	35	30	54	42	35	30	41	34	30		40	34	30		39	33	29	28

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
 Vertical Angle: -
 Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	8.5
10°-20°	48.7	12.4
20°-30°	44.5	11.4
30°-40°	46.5	11.9
40°-50°	51.8	13.2
50°-60°	51.8	13.2
60°-70°	44.4	11.3
70°-80°	33.5	8.6
80°-90°	23.2	5.9
90°-100°	12.3	3.1
100°-110°	1.7	0.4
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°	126.4	32.3
0°-40°	172.9	44.2
0°-60°	276.6	70.6
0°-90°	377.6	96.4
90°-120°	14.0	3.6
90°-150°	14.0	3.6
90°-180°	14.0	3.6
0°-180°	391.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	386	
5°	377	33
15°	170	49
25°	95	45
35°	74	47
45°	67	52
55°	58	52
65°	45	44
75°	31	34
85°	21	18
90°	17	9
95°	12	8
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	0

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CANDELA DISTRIBUTION (FULL):

0°	
0°	386.3
1°	385.8
2°	384.3
3°	382.8
4°	380.8
5°	377.2
6°	370.2
7°	358.5
8°	338.8
9°	312.0
10°	279.1
11°	245.8
12°	217.9
13°	197.7
14°	182.0
15°	169.9
16°	158.8
17°	148.7
18°	139.6
19°	131.0
20°	123.9
21°	117.3
22°	111.2
23°	105.2
24°	99.6
25°	95.1
27.5°	85.5
30°	79.9
32.5°	76.4
35°	73.8
37.5°	71.8
40°	70.3
42.5°	68.8
45°	67.3
47.5°	65.2
50°	63.2
52.5°	60.7
55°	58.2
57.5°	55.1
60°	51.6
62.5°	48.0
65°	45.0
67.5°	41.5
70°	37.9
72.5°	34.9

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CANDELA DISTRIBUTION (continued):

	0°
75°	31.4
77.5°	28.8
80°	25.8
82.5°	23.3
85°	21.2
87.5°	19.2
90°	16.7
92.5°	15.2
95°	11.6
97.5°	7.6
100°	4.6
102.5°	2.5
105°	1.0
107.5°	0.5
110°	0.0
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)