

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: P702544

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9027-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702544
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-3040-9027-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

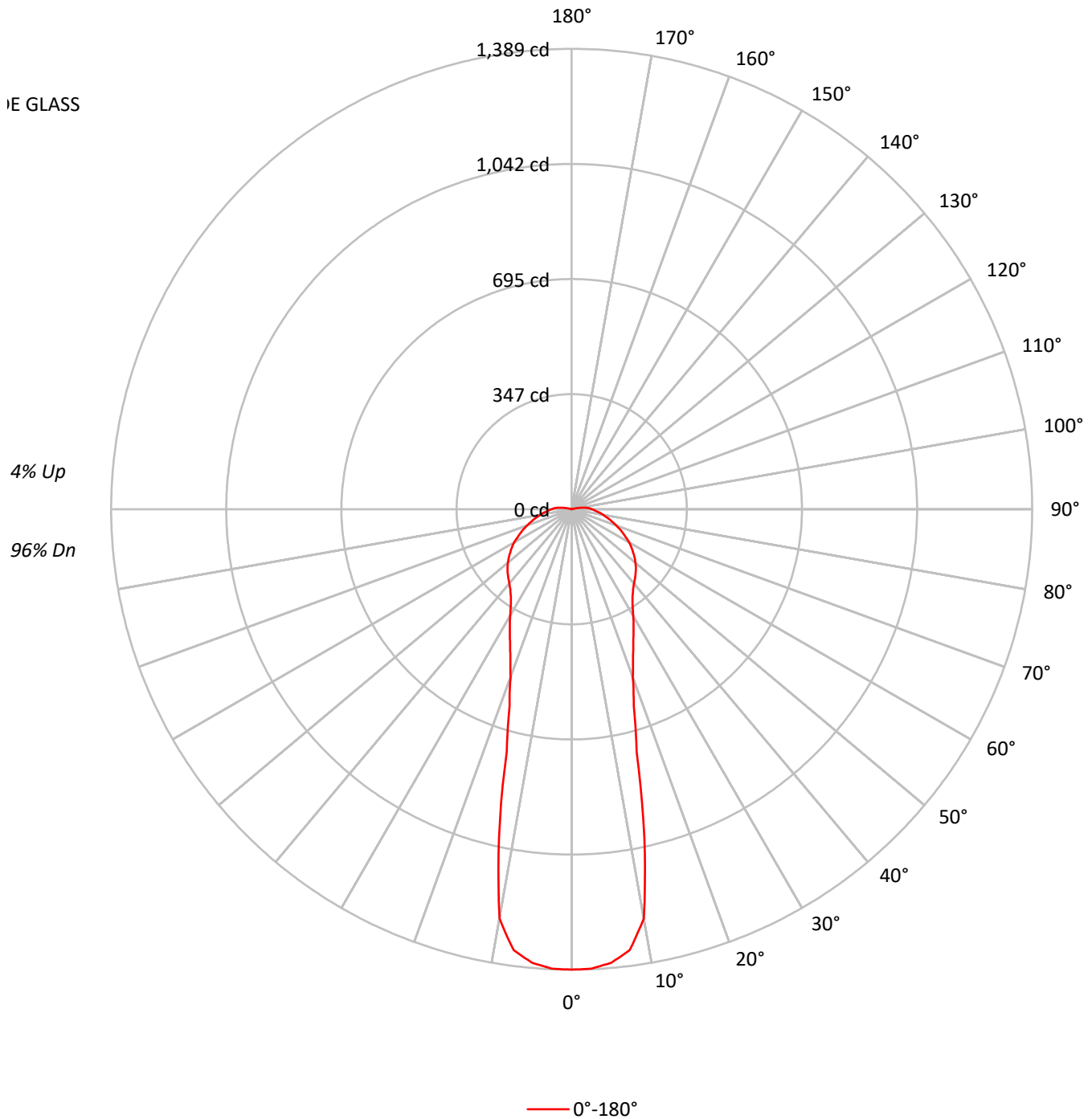
Lumens per Lamp: N/A
Luminaire Lumens: 1607.6 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.5
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

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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°	90613
5°	80368
10°	66984
15°	37483
20°	25054
25°	19355
30°	15647
35°	13046
40°	11626
45°	10661
50°	9724
55°	8721
60°	7781
65°	6728
70°	5767
75°	4883
80°	4144
85°	3461

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.7	7.9
10°-20°	222.3	13.8
20°-30°	203.9	12.7
30°-40°	202.7	12.6
40°-50°	210.6	13.1
50°-60°	202.4	12.6
60°-70°	169.3	10.5
70°-80°	124.8	7.8
80°-90°	84.5	5.3
90°-100°	49.0	3.0
100°-110°	10.2	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°	553.9	34.5
0°-40°	756.6	47.1
0°-60°	1169.5	72.8
0°-90°	1548.2	96.3
90°-120°	59.4	3.7
90°-150°	59.4	3.7
90°-180°	59.0	3.7
0°-180°	1607.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1389	
5°	1373	128
15°	757	222
25°	439	204
35°	320	203
45°	273	211
55°	226	202
65°	171	169
75°	118	125
85°	76	67
90°	61	34
95°	47	33
105°	8	10
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°	1388.9
2.5°	1387.0
5°	1373.2
7.5°	1341.8
10°	1253.6
12.5°	1012.3
15°	757.2
17.5°	621.9
20°	539.5
22.5°	482.6
25°	439.4
27.5°	404.1
30°	370.8
32.5°	341.3
35°	319.8
37.5°	304.1
40°	292.3
42.5°	282.5
45°	272.7
47.5°	262.9
50°	251.1
52.5°	239.3
55°	225.6
57.5°	213.8
60°	200.1
62.5°	184.4
65°	170.7
67.5°	156.9
70°	143.2
72.5°	129.5
75°	117.7
77.5°	105.9
80°	96.1
82.5°	86.3
85°	76.5
87.5°	68.7
90°	60.8
92.5°	54.9
95°	47.1
97.5°	35.3
100°	23.5
102.5°	13.7
105°	7.8
107.5°	3.9
110°	2.0

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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)