

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: P702264

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702264
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-05-D010 / 340-EU4C-1020-9027-4LBW1LI-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

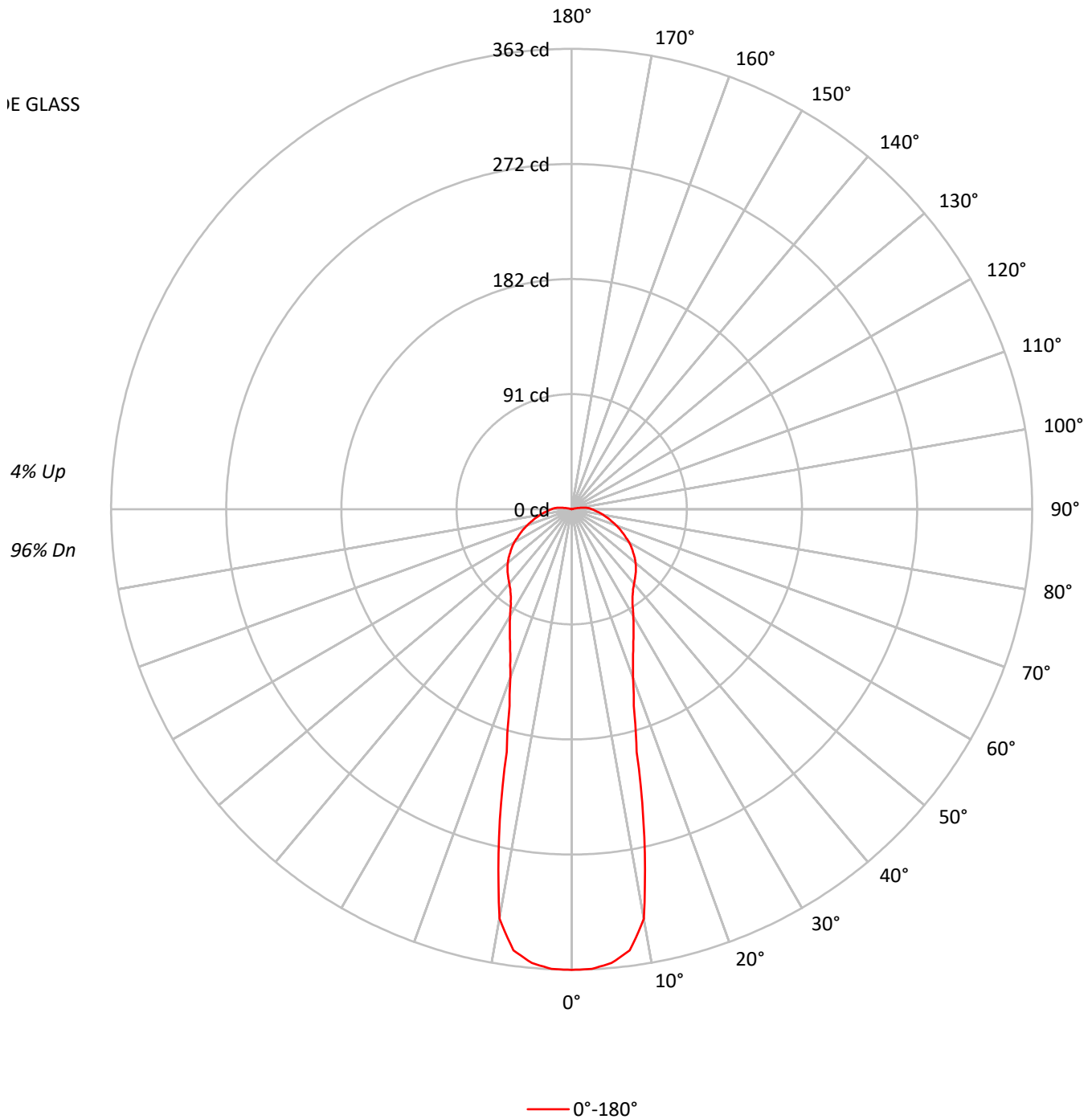
Lumens per Lamp: N/A
Luminaire Lumens: 420.4 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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	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°	23695
5°	21017
10°	17515
15°	9801
20°	6553
25°	5061
30°	4093
35°	3410
40°	3039
45°	2787
50°	2544
55°	2281
60°	2034
65°	1758
70°	1510
75°	1278
80°	1082
85°	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2787 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	7.9
10°-20°	58.1	13.8
20°-30°	53.3	12.7
30°-40°	53.0	12.6
40°-50°	55.1	13.1
50°-60°	52.9	12.6
60°-70°	44.3	10.5
70°-80°	32.7	7.8
80°-90°	22.1	5.3
90°-100°	12.8	3.0
100°-110°	2.7	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°	144.8	34.5
0°-40°	197.9	47.1
0°-60°	305.8	72.7
0°-90°	404.9	96.3
90°-120°	15.6	3.7
90°-150°	15.6	3.7
90°-180°	16.0	3.8
0°-180°	420.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	363	
5°	359	33
15°	198	58
25°	115	53
35°	84	53
45°	71	55
55°	59	53
65°	45	44
75°	31	33
85°	20	17
90°	16	9
95°	12	9
105°	2	3
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°	363.2
2.5°	362.7
5°	359.1
7.5°	350.9
10°	327.8
12.5°	264.7
15°	198.0
17.5°	162.6
20°	141.1
22.5°	126.2
25°	114.9
27.5°	105.7
30°	97.0
32.5°	89.3
35°	83.6
37.5°	79.5
40°	76.4
42.5°	73.9
45°	71.3
47.5°	68.7
50°	65.7
52.5°	62.6
55°	59.0
57.5°	55.9
60°	52.3
62.5°	48.2
65°	44.6
67.5°	41.0
70°	37.5
72.5°	33.9
75°	30.8
77.5°	27.7
80°	25.1
82.5°	22.6
85°	20.0
87.5°	18.0
90°	15.9
92.5°	14.4
95°	12.3
97.5°	9.2
100°	6.2
102.5°	3.6
105°	2.1
107.5°	1.0
110°	0.5

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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)