

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: P702319

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9027-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702319
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-08-D010 / 340-EU4C-1020-9027-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

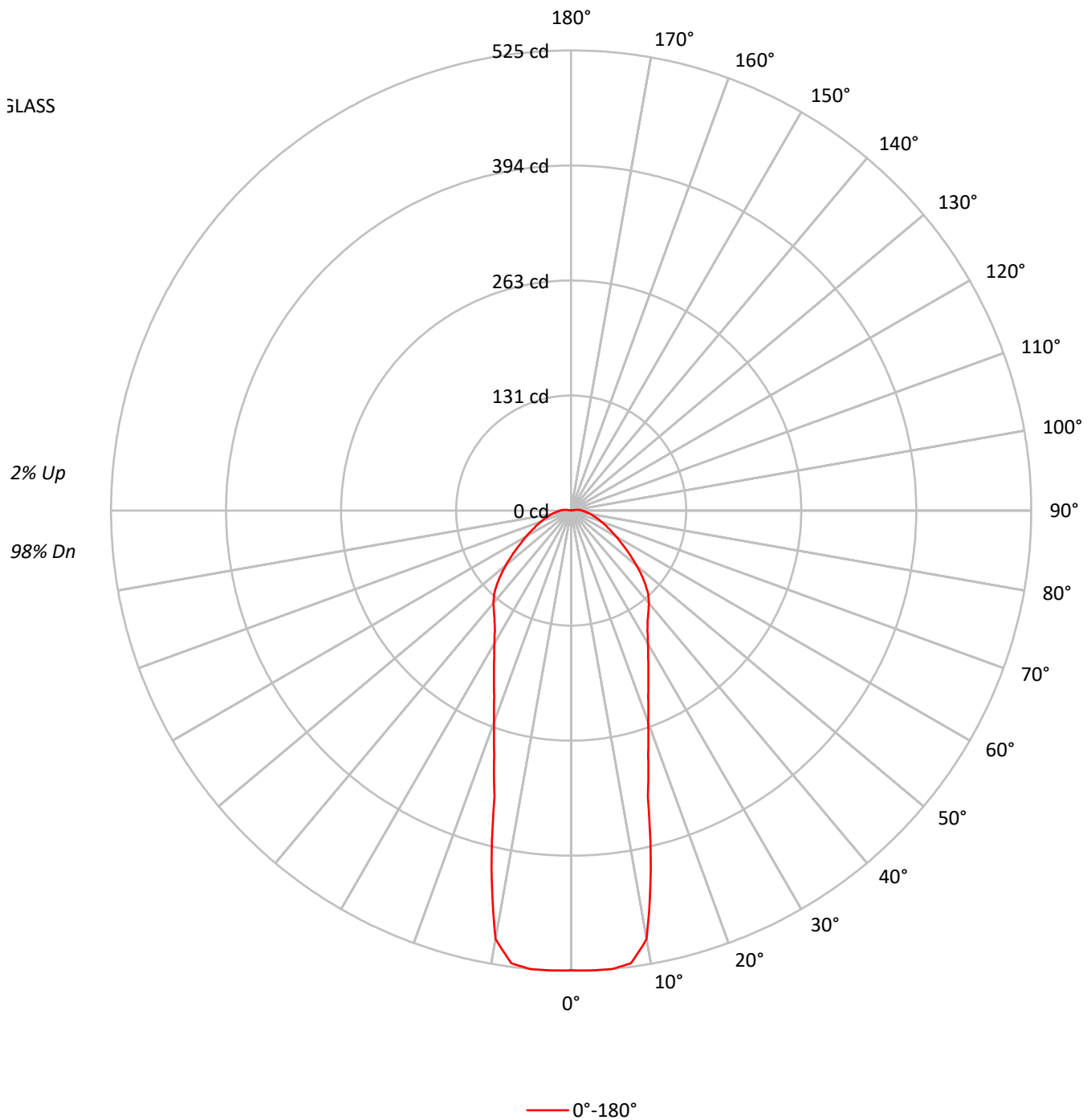
Lumens per Lamp: N/A
Luminaire Lumens: 606.2 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 9.9
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	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°	34219
5°	30738
10°	26519
15°	16717
20°	11940
25°	9171
30°	7389
35°	6213
40°	5485
45°	4687
50°	3764
55°	2930
60°	2306
65°	1821
70°	1470
75°	1174
80°	953
85°	746

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4687 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	8.1
10°-20°	97.5	16.1
20°-30°	96.6	15.9
30°-40°	96.2	15.9
40°-50°	91.8	15.2
50°-60°	68.6	11.3
60°-70°	46.5	7.7
70°-80°	30.3	5.0
80°-90°	18.4	3.0
90°-100°	9.6	1.6
100°-110°	1.3	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°	243.4	40.2
0°-40°	339.7	56.0
0°-60°	500.1	82.5
0°-90°	595.3	98.2
90°-120°	10.9	1.8
90°-150°	10.9	1.8
90°-180°	11.0	1.8
0°-180°	606.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	524	
5°	525	49
15°	338	97
25°	208	97
35°	152	96
45°	120	92
55°	76	69
65°	46	46
75°	28	30
85°	16	15
90°	12	7
95°	9	6
105°	1	1
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°	524.5
2.5°	525.2
5°	525.2
7.5°	521.1
10°	496.3
12.5°	419.8
15°	337.7
17.5°	291.6
20°	257.1
22.5°	229.5
25°	208.2
27.5°	190.2
30°	175.1
32.5°	162.0
35°	152.3
37.5°	144.7
40°	137.9
42.5°	130.3
45°	119.9
47.5°	108.9
50°	97.2
52.5°	86.2
55°	75.8
57.5°	66.9
60°	59.3
62.5°	52.4
65°	46.2
67.5°	41.4
70°	36.5
72.5°	32.4
75°	28.3
77.5°	24.8
80°	22.1
82.5°	19.3
85°	16.5
87.5°	14.5
90°	12.4
92.5°	11.0
95°	9.0
97.5°	6.9
100°	4.1
102.5°	2.1
105°	0.7
107.5°	0.0
110°	0.0

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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)