

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: P702522

Luminaire Tested: 340-6C-20-D010 / 340-EU4C-1020-9727-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702522
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-20-D010 / 340-EU4C-1020-9727-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 2700K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

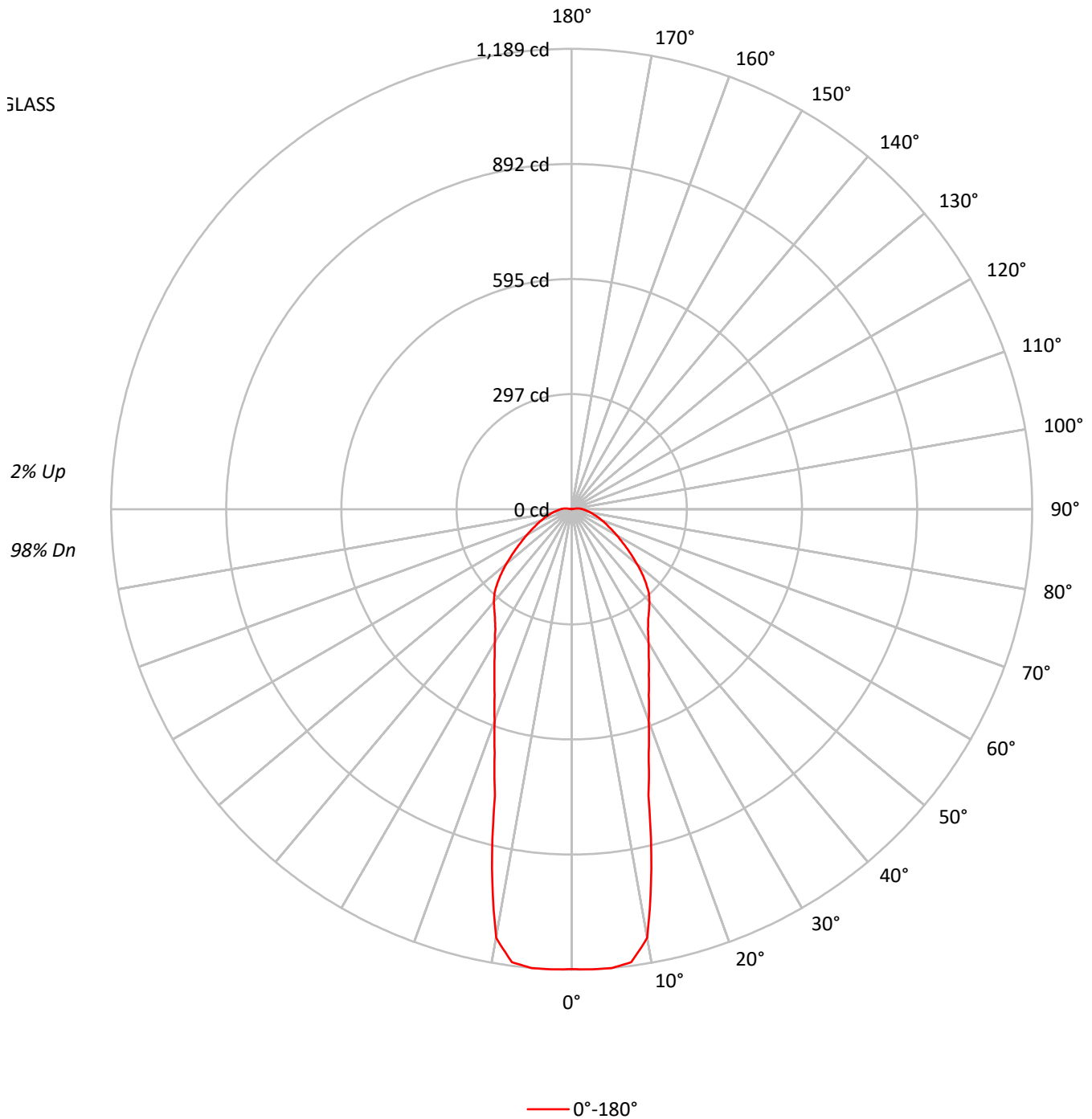
Lumens per Lamp: N/A
Luminaire Lumens: 1372.5 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 21.8
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	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°	77486
5°	69605
10°	60043
15°	37859
20°	27037
25°	20760
30°	16727
35°	14070
40°	12414
45°	10618
50°	8524
55°	6637
60°	5218
65°	4123
70°	3330
75°	2655
80°	2152
85°	1697

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10618 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	8.1
10°-20°	220.7	16.1
20°-30°	218.7	15.9
30°-40°	217.9	15.9
40°-50°	208.0	15.2
50°-60°	155.2	11.3
60°-70°	105.2	7.7
70°-80°	68.6	5.0
80°-90°	41.7	3.0
90°-100°	21.8	1.6
100°-110°	2.9	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°	551.2	40.2
0°-40°	769.1	56.0
0°-60°	1132.3	82.5
0°-90°	1347.8	98.2
90°-120°	24.7	1.8
90°-150°	24.7	1.8
90°-180°	25.0	1.8
0°-180°	1372.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1188	
5°	1189	112
15°	765	221
25°	471	219
35°	345	218
45°	272	208
55°	172	155
65°	105	105
75°	64	69
85°	38	33
90°	28	16
95°	20	14
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°	1187.7
2.5°	1189.3
5°	1189.3
7.5°	1179.9
10°	1123.7
12.5°	950.5
15°	764.8
17.5°	660.2
20°	582.2
22.5°	519.7
25°	471.3
27.5°	430.8
30°	396.4
32.5°	366.8
35°	344.9
37.5°	327.8
40°	312.1
42.5°	295.0
45°	271.6
47.5°	246.6
50°	220.1
52.5°	195.1
55°	171.7
57.5°	151.4
60°	134.2
62.5°	118.6
65°	104.6
67.5°	93.6
70°	82.7
72.5°	73.4
75°	64.0
77.5°	56.2
80°	49.9
82.5°	43.7
85°	37.5
87.5°	32.8
90°	28.1
92.5°	25.0
95°	20.3
97.5°	15.6
100°	9.4
102.5°	4.7
105°	1.6
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)