

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: P702669

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9035-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702669
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-35-D010 / 340-EU4C-3040-9035-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

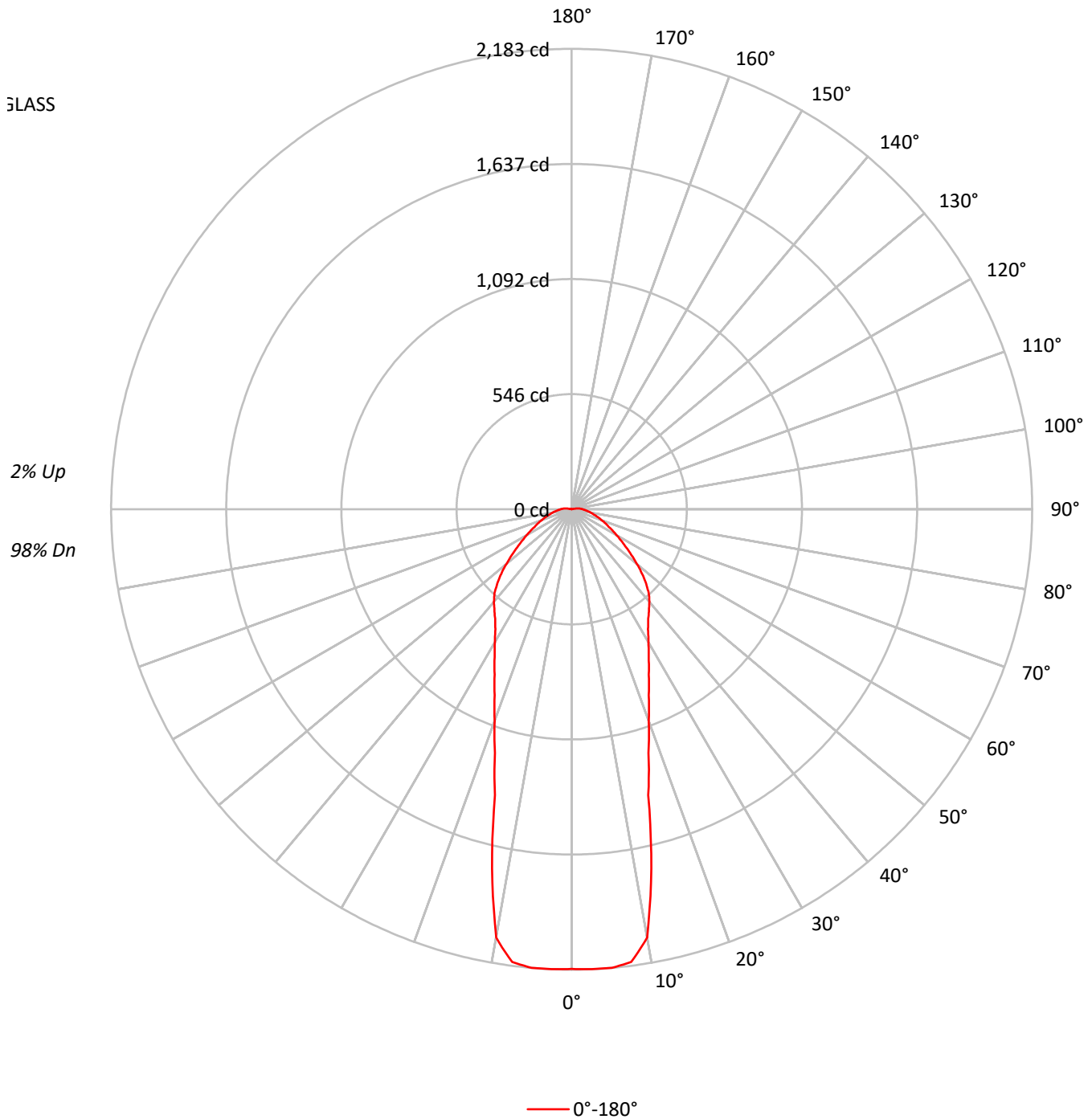
Lumens per Lamp: N/A
Luminaire Lumens: 2518.7 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 40.4
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°	142205
5°	127739
10°	110195
15°	69476
20°	49616
25°	38102
30°	30699
35°	25823
40°	22787
45°	19485
50°	15642
55°	12181
60°	9577
65°	7564
70°	6113
75°	4871
80°	3954
85°	3108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19485 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.2	8.1
10°-20°	405.1	16.1
20°-30°	401.3	15.9
30°-40°	399.9	15.9
40°-50°	381.7	15.2
50°-60°	284.8	11.3
60°-70°	193.1	7.7
70°-80°	125.9	5.0
80°-90°	76.5	3.0
90°-100°	39.9	1.6
100°-110°	5.4	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°	1011.6	40.2
0°-40°	1411.5	56.0
0°-60°	2078.0	82.5
0°-90°	2473.5	98.2
90°-120°	45.3	1.8
90°-150°	45.3	1.8
90°-180°	45.0	1.8
0°-180°	2518.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2180	
5°	2183	205
15°	1404	405
25°	865	401
35°	633	400
45°	498	382
55°	315	285
65°	192	193
75°	117	126
85°	69	61
90°	52	29
95°	37	27
105°	3	5
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°	2179.7
2.5°	2182.6
5°	2182.6
7.5°	2165.4
10°	2062.3
12.5°	1744.3
15°	1403.5
17.5°	1211.6
20°	1068.4
22.5°	953.8
25°	865.0
27.5°	790.5
30°	727.5
32.5°	673.1
35°	633.0
37.5°	601.5
40°	572.9
42.5°	541.3
45°	498.4
47.5°	452.6
50°	403.9
52.5°	358.0
55°	315.1
57.5°	277.8
60°	246.3
62.5°	217.7
65°	191.9
67.5°	171.9
70°	151.8
72.5°	134.6
75°	117.4
77.5°	103.1
80°	91.7
82.5°	80.2
85°	68.7
87.5°	60.1
90°	51.6
92.5°	45.8
95°	37.2
97.5°	28.6
100°	17.2
102.5°	8.6
105°	2.9
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)