

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: P702539

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

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
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-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

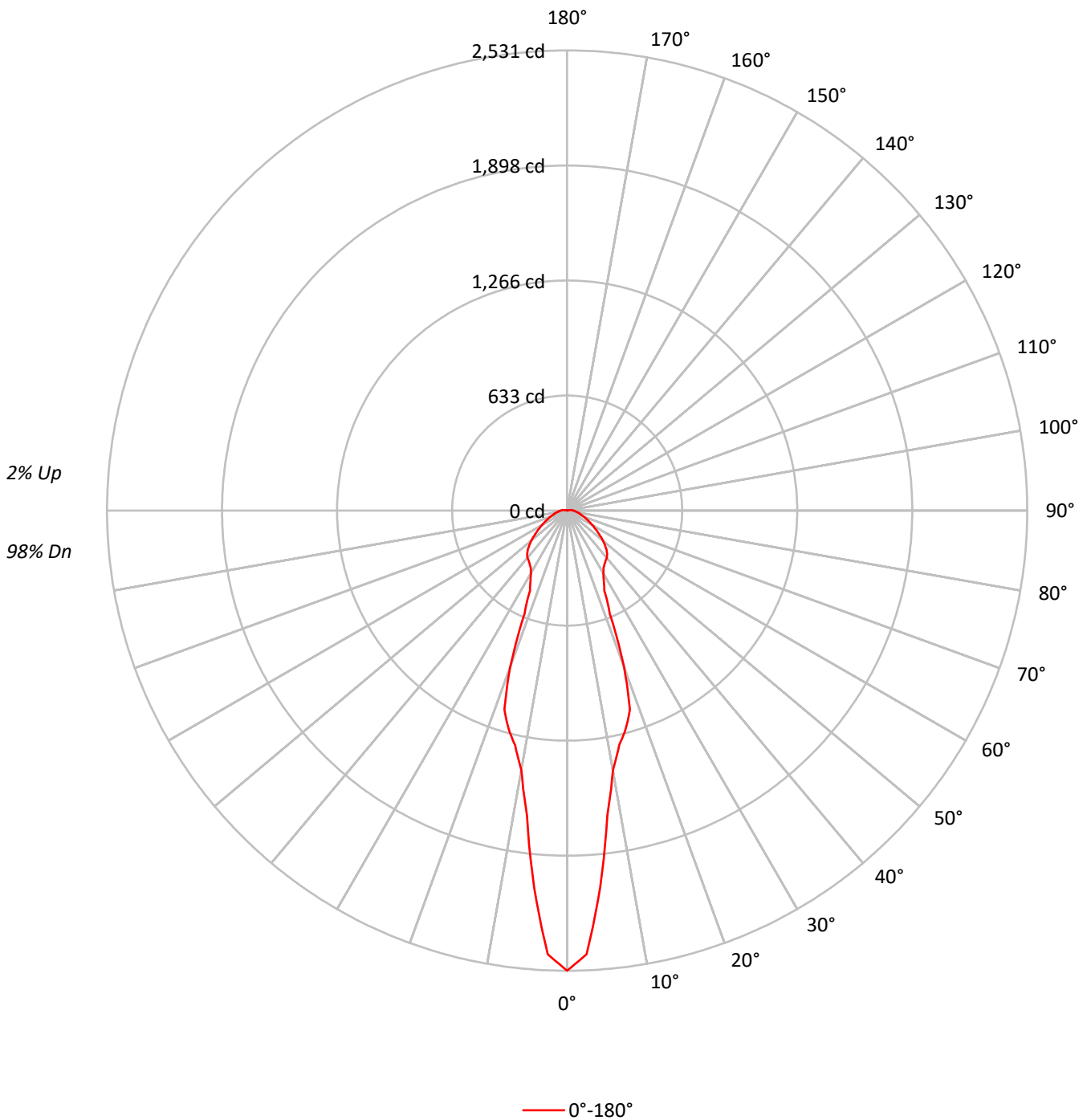
Lumens per Lamp: N/A
Luminaire Lumens: 1700.8 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	109	105	101	98	107	103	99	96	98	95	93		94	92	90		90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80		85	81	78		82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70		77	73	69		75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63		71	66	62		69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56		66	60	56		64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52		61	55	51		59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44		53	48	44		52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41		50	45	41		49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	165098
5°	121816
10°	77462
15°	61566
20°	42455
25°	21342
30°	16803
35°	14645
40°	13499
45°	11963
50°	9953
55°	7886
60°	6256
65°	4950
70°	3870
75°	3091
80°	2540
85°	2040

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11963 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.2	10.4
10°-20°	340.3	20.0
20°-30°	247.1	14.5
30°-40°	226.7	13.3
40°-50°	233.8	13.7
50°-60°	183.7	10.8
60°-70°	125.0	7.3
70°-80°	80.0	4.7
80°-90°	49.4	2.9
90°-100°	28.7	1.7
100°-110°	8.6	0.5
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°	764.6	45.0
0°-40°	991.3	58.3
0°-60°	1408.8	82.8
0°-90°	1663.3	97.8
90°-120°	37.5	2.2
90°-150°	37.5	2.2
90°-180°	38.0	2.2
0°-180°	1700.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2531	
5°	2081	177
15°	1244	340
25°	484	247
35°	359	227
45°	306	234
55°	204	184
65°	126	125
75°	74	80
85°	45	40
90°	33	19
95°	28	20
105°	8	9
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°	2530.6
2.5°	2442.4
5°	2081.4
7.5°	1691.0
10°	1449.7
12.5°	1322.2
15°	1243.7
17.5°	1147.6
20°	914.2
22.5°	612.1
25°	484.5
27.5°	435.5
30°	398.2
32.5°	372.7
35°	359.0
37.5°	347.2
40°	339.4
42.5°	325.6
45°	306.0
47.5°	282.5
50°	257.0
52.5°	229.5
55°	204.0
57.5°	180.5
60°	160.9
62.5°	141.2
65°	125.6
67.5°	109.9
70°	96.1
72.5°	84.4
75°	74.5
77.5°	66.7
80°	58.9
82.5°	51.0
85°	45.1
87.5°	39.2
90°	33.3
92.5°	31.4
95°	27.5
97.5°	21.6
100°	15.7
102.5°	11.8
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)