

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: P702345

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9050-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-08-D010 / 340-EU4C-1020-9050-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

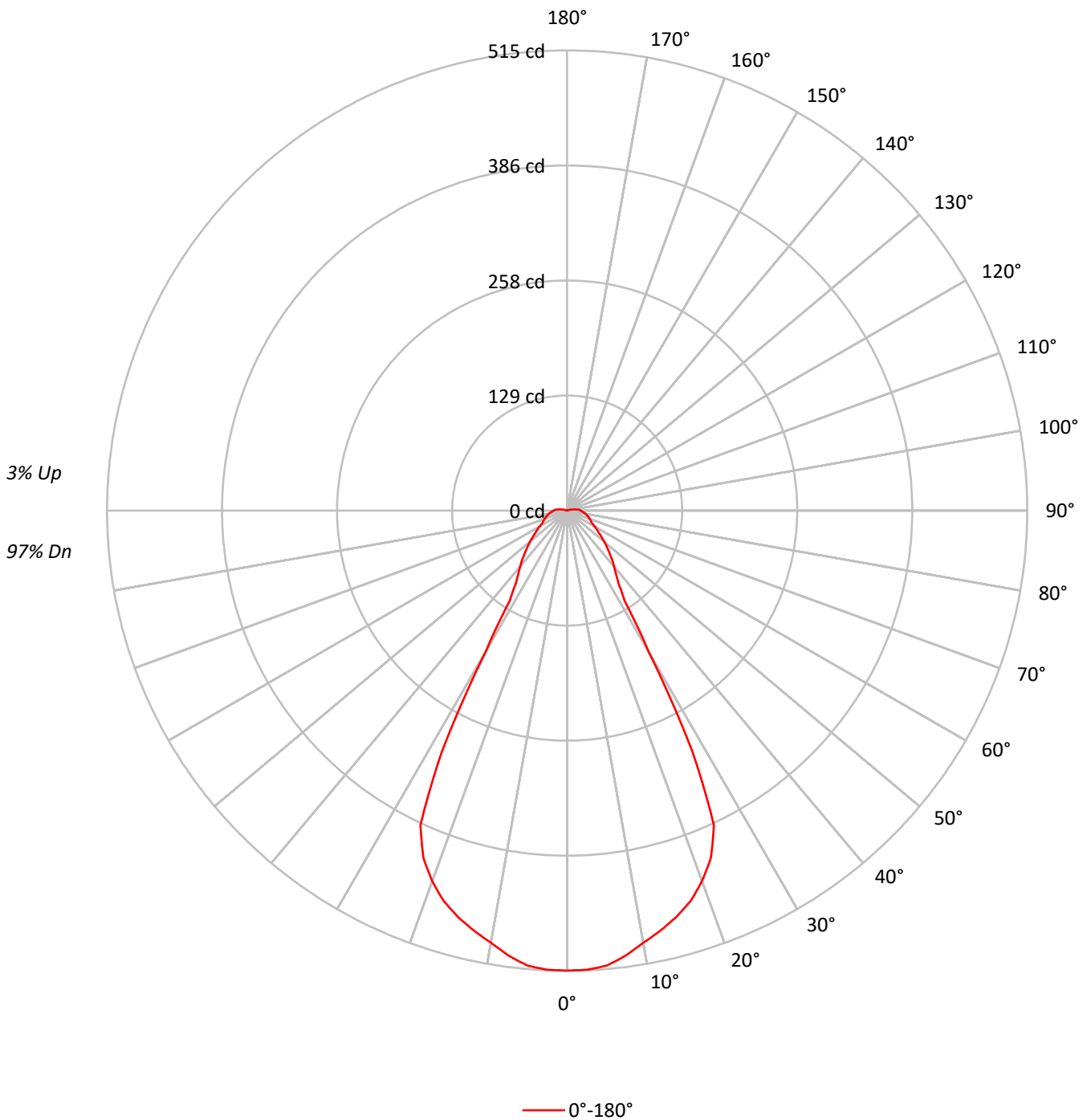
Lumens per Lamp: N/A
Luminaire Lumens: 593.0 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	110	110	110		104	104	104		99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93		94	92	90		90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82		86	83	80		83	80	78	76
3	96	87	81	76	93	86	80	75	83	77	73		80	75	72		77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66		74	69	65		71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56		64	59	55		63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52		60	55	51		59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48		57	52	48		56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45		54	48	45		53	48	44	43
10	64	54	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33592
5°	29918
10°	26246
15°	23321
20°	20498
25°	17117
30°	7680
35°	4092
40°	3250
45°	2615
50°	2099
55°	1666
60°	1388
65°	1171
70°	1075
75°	987
80°	897
85°	805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2615 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	8.1
10°-20°	132.3	22.3
20°-30°	161.4	27.2
30°-40°	68.3	11.5
40°-50°	51.9	8.7
50°-60°	39.3	6.6
60°-70°	30.0	5.1
70°-80°	25.1	4.2
80°-90°	19.4	3.3
90°-100°	13.0	2.2
100°-110°	3.8	0.6
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°	341.9	57.7
0°-40°	410.2	69.2
0°-60°	501.3	84.5
0°-90°	575.9	97.1
90°-120°	17.1	2.9
90°-150°	17.1	2.9
90°-180°	17.0	2.9
0°-180°	593.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	515	
5°	511	48
15°	471	132
25°	389	161
35°	100	68
45°	67	52
55°	43	39
65°	30	30
75°	24	25
85°	18	15
90°	15	8
95°	13	9
105°	3	4
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°	514.9
2.5°	514.2
5°	511.2
7.5°	502.3
10°	491.2
12.5°	481.5
15°	471.1
17.5°	458.5
20°	441.4
22.5°	420.6
25°	388.6
27.5°	303.2
30°	182.0
32.5°	119.6
35°	100.3
37.5°	89.9
40°	81.7
42.5°	74.3
45°	66.9
47.5°	60.2
50°	54.2
52.5°	48.3
55°	43.1
57.5°	39.4
60°	35.7
62.5°	32.0
65°	29.7
67.5°	28.2
70°	26.7
72.5°	25.3
75°	23.8
77.5°	22.3
80°	20.8
82.5°	19.3
85°	17.8
87.5°	16.3
90°	14.9
92.5°	14.1
95°	12.6
97.5°	9.7
100°	7.4
102.5°	5.2
105°	3.0
107.5°	2.2
110°	0.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.7
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)