

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: P702394

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9040-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702394
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-10-D010 / 340-EU4C-1020-9040-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

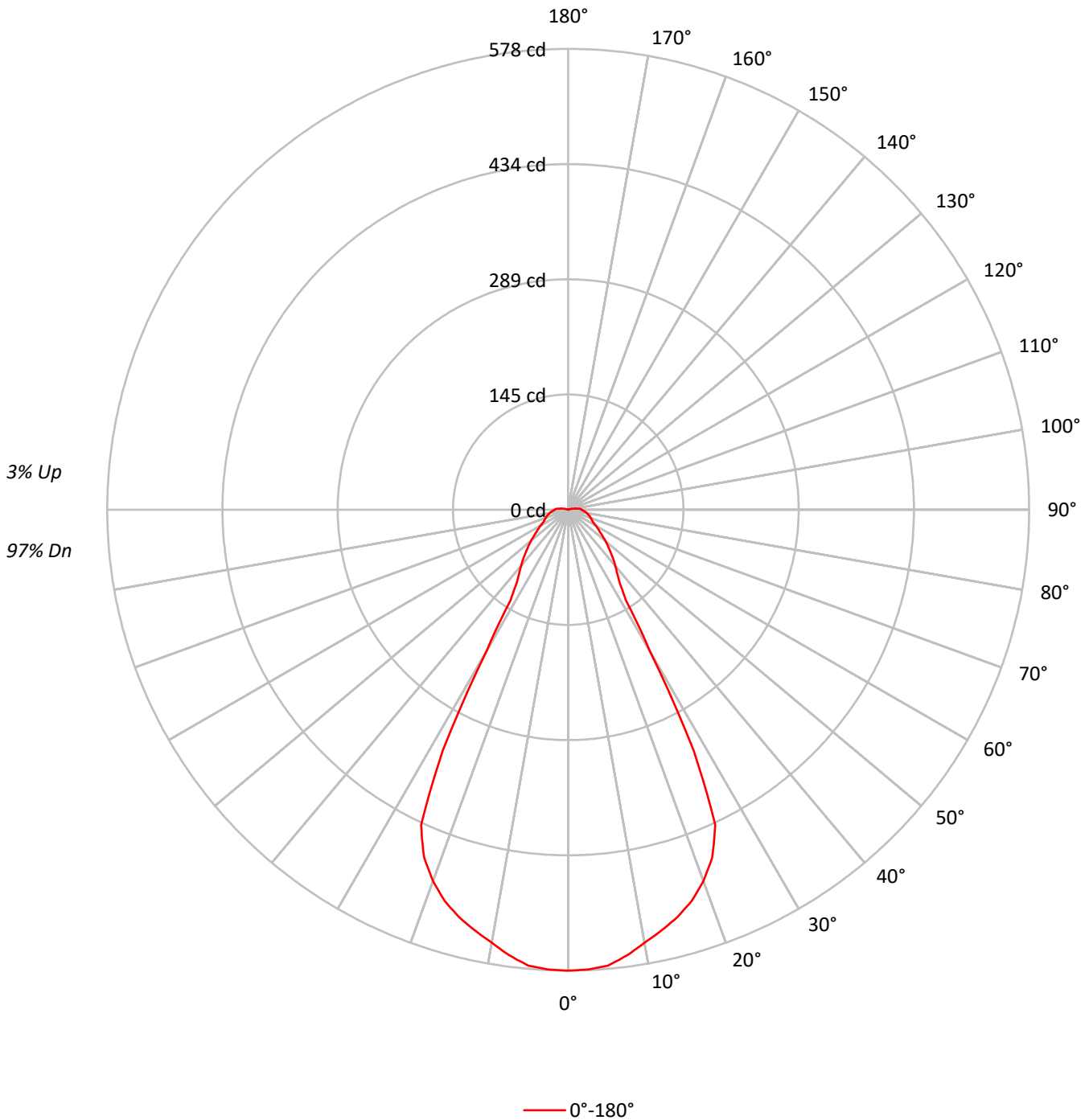
Lumens per Lamp: N/A
Luminaire Lumens: 665.8 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 9.8
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	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	53	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37716
5°	33594
10°	29463
15°	26182
20°	23011
25°	19219
30°	8625
35°	4593
40°	3651
45°	2936
50°	2358
55°	1871
60°	1555
65°	1316
70°	1208
75°	1108
80°	1009
85°	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2936 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	8.1
10°-20°	148.6	22.3
20°-30°	181.2	27.2
30°-40°	76.7	11.5
40°-50°	58.2	8.7
50°-60°	44.1	6.6
60°-70°	33.7	5.1
70°-80°	28.2	4.2
80°-90°	21.9	3.3
90°-100°	14.6	2.2
100°-110°	4.3	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°	383.8	57.6
0°-40°	460.5	69.2
0°-60°	562.8	84.5
0°-90°	646.6	97.1
90°-120°	19.2	2.9
90°-150°	19.2	2.9
90°-180°	19.0	2.9
0°-180°	665.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	578	
5°	574	54
15°	529	149
25°	436	181
35°	113	77
45°	75	58
55°	48	44
65°	33	34
75°	27	28
85°	20	17
90°	17	9
95°	14	10
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°	578.1
2.5°	577.3
5°	574.0
7.5°	563.9
10°	551.4
12.5°	540.6
15°	528.9
17.5°	514.7
20°	495.5
22.5°	472.2
25°	436.3
27.5°	340.4
30°	204.4
32.5°	134.3
35°	112.6
37.5°	100.9
40°	91.8
42.5°	83.4
45°	75.1
47.5°	67.6
50°	60.9
52.5°	54.2
55°	48.4
57.5°	44.2
60°	40.0
62.5°	35.9
65°	33.4
67.5°	31.7
70°	30.0
72.5°	28.4
75°	26.7
77.5°	25.0
80°	23.4
82.5°	21.7
85°	20.0
87.5°	18.4
90°	16.7
92.5°	15.9
95°	14.2
97.5°	10.8
100°	8.3
102.5°	5.8
105°	3.3
107.5°	2.5
110°	0.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.8
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)