

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: P702618

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9040-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702618
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-30-D010 / 340-EU4C-3040-9040-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

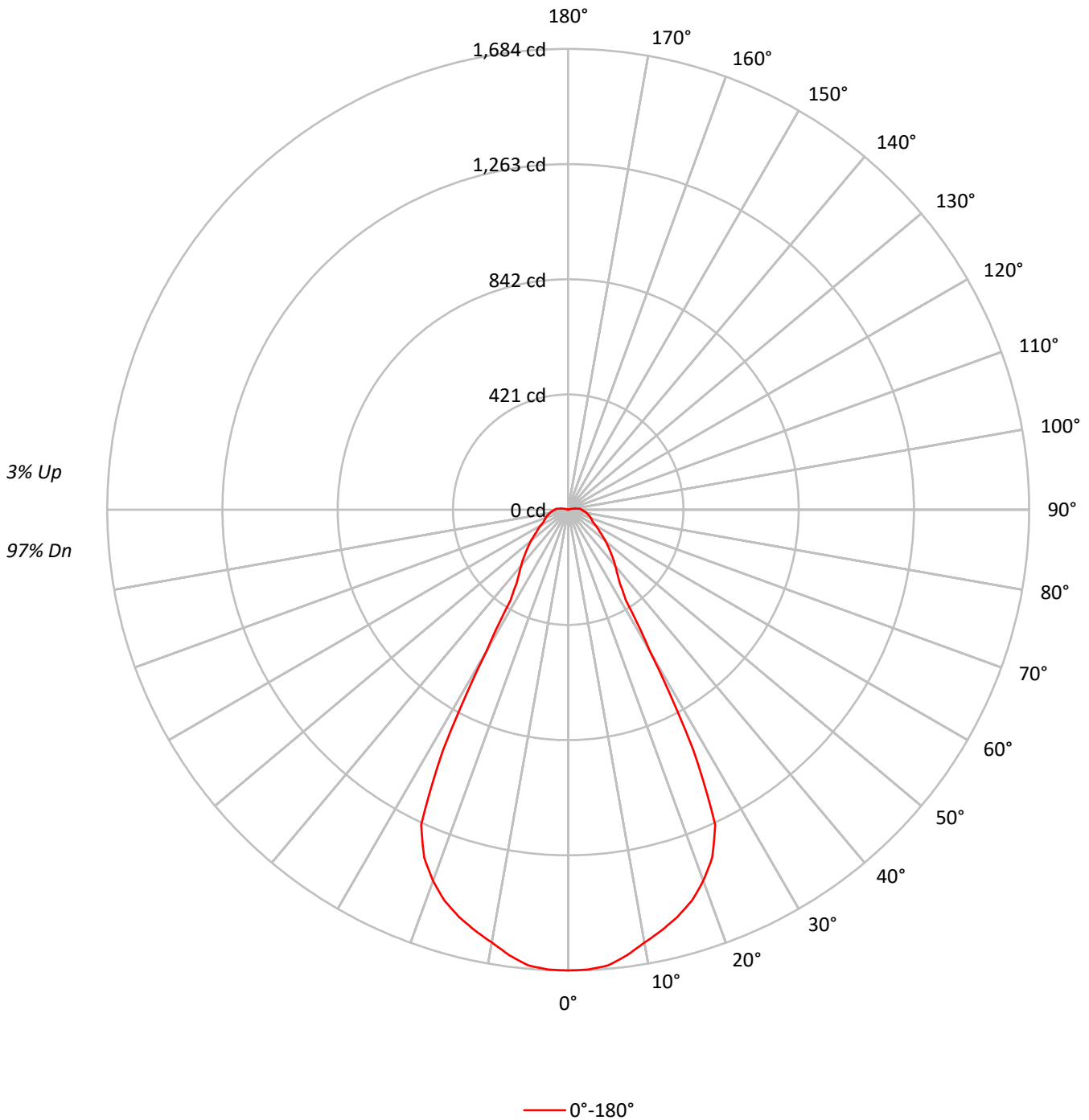
Lumens per Lamp: N/A
Luminaire Lumens: 1939.3 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.6
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°	109859
5°	97838
10°	85819
15°	76258
20°	67026
25°	55978
30°	25121
35°	13381
40°	10632
45°	8550
50°	6870
55°	5447
60°	4534
65°	3831
70°	3524
75°	3228
80°	2932
85°	2638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8550 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	8.1
10°-20°	432.8	22.3
20°-30°	527.8	27.2
30°-40°	223.5	11.5
40°-50°	169.6	8.7
50°-60°	128.4	6.6
60°-70°	98.1	5.1
70°-80°	82.2	4.2
80°-90°	63.6	3.3
90°-100°	42.5	2.2
100°-110°	12.6	0.6
110°-120°	0.9	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°	1117.9	57.6
0°-40°	1341.4	69.2
0°-60°	1639.4	84.5
0°-90°	1883.3	97.1
90°-120°	56.0	2.9
90°-150°	56.0	2.9
90°-180°	56.0	2.9
0°-180°	1939.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1684	
5°	1672	157
15°	1540	433
25°	1271	528
35°	328	223
45°	219	170
55°	141	128
65°	97	98
75°	78	82
85°	58	50
90°	49	27
95°	41	29
105°	10	13
115°	0	1
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°	1683.9
2.5°	1681.5
5°	1671.7
7.5°	1642.6
10°	1606.1
12.5°	1574.6
15°	1540.5
17.5°	1499.2
20°	1443.3
22.5°	1375.3
25°	1270.8
27.5°	991.4
30°	595.3
32.5°	391.2
35°	328.0
37.5°	294.0
40°	267.3
42.5°	243.0
45°	218.7
47.5°	196.8
50°	177.4
52.5°	157.9
55°	140.9
57.5°	128.8
60°	116.6
62.5°	104.5
65°	97.2
67.5°	92.3
70°	87.5
72.5°	82.6
75°	77.8
77.5°	72.9
80°	68.0
82.5°	63.2
85°	58.3
87.5°	53.5
90°	48.6
92.5°	46.2
95°	41.3
97.5°	31.6
100°	24.3
102.5°	17.0
105°	9.7
107.5°	7.3
110°	2.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.4
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)