

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: P702359

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9730-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702359
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-1020-9730-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

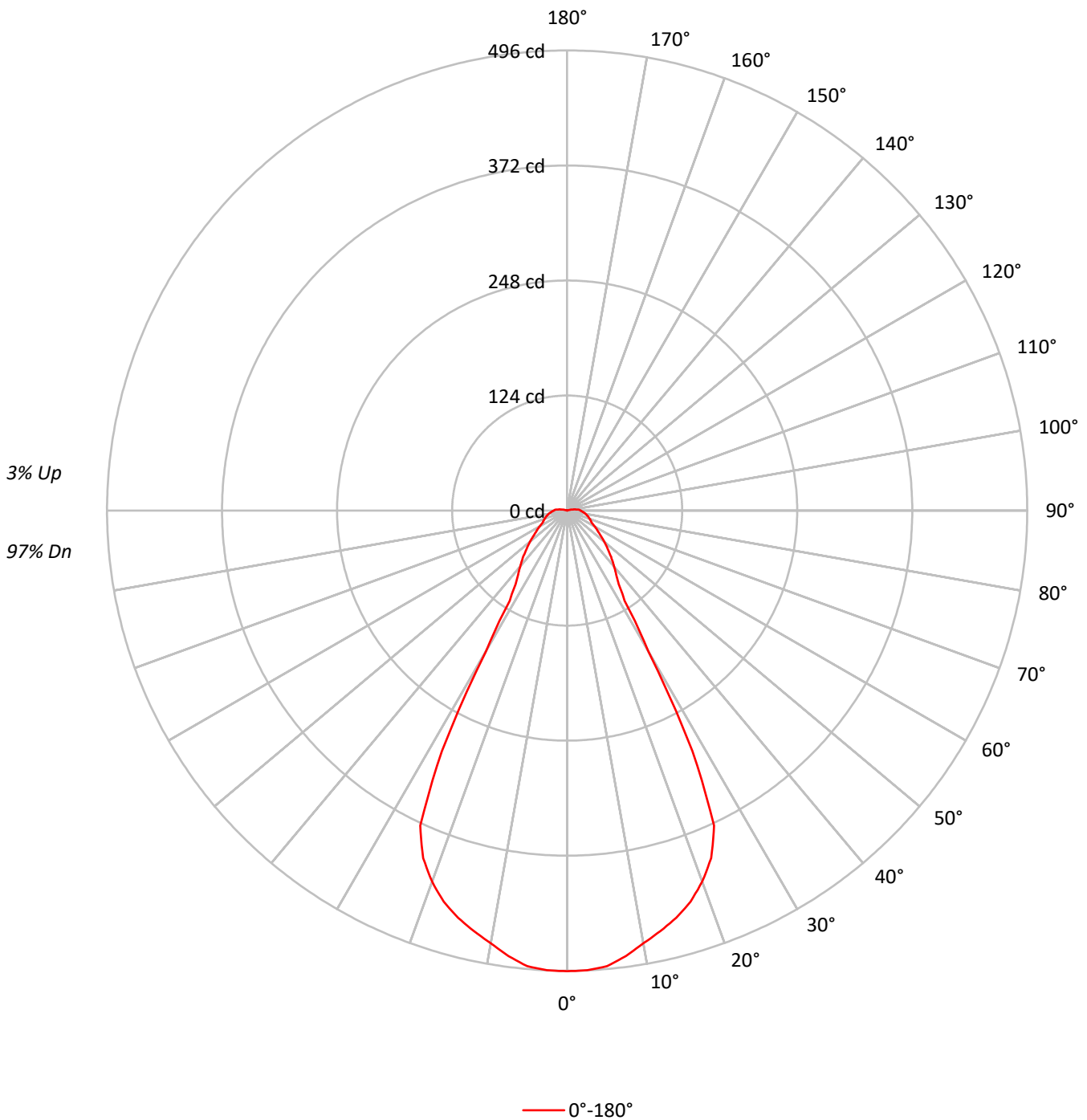
Lumens per Lamp: N/A
Luminaire Lumens: 571.9 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	82	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°	32392
5°	28853
10°	25306
15°	22489
20°	19765
25°	16505
30°	7406
35°	3945
40°	3134
45°	2522
50°	2025
55°	1608
60°	1338
65°	1131
70°	1039
75°	950
80°	867
85°	778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	8.1
10°-20°	127.6	22.3
20°-30°	155.6	27.2
30°-40°	65.9	11.5
40°-50°	50.0	8.7
50°-60°	37.9	6.6
60°-70°	28.9	5.1
70°-80°	24.2	4.2
80°-90°	18.8	3.3
90°-100°	12.5	2.2
100°-110°	3.7	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°	329.6	57.6
0°-40°	395.5	69.2
0°-60°	483.4	84.5
0°-90°	555.4	97.1
90°-120°	16.5	2.9
90°-150°	16.5	2.9
90°-180°	16.0	2.8
0°-180°	571.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	496	
5°	493	46
15°	454	128
25°	375	156
35°	97	66
45°	64	50
55°	42	38
65°	29	29
75°	23	24
85°	17	15
90°	14	8
95°	12	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	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	496.5
2.5°	495.8
5°	493.0
7.5°	484.4
10°	473.6
12.5°	464.3
15°	454.3
17.5°	442.1
20°	425.6
22.5°	405.5
25°	374.7
27.5°	292.3
30°	175.5
32.5°	115.4
35°	96.7
37.5°	86.7
40°	78.8
42.5°	71.7
45°	64.5
47.5°	58.0
50°	52.3
52.5°	46.6
55°	41.6
57.5°	38.0
60°	34.4
62.5°	30.8
65°	28.7
67.5°	27.2
70°	25.8
72.5°	24.4
75°	22.9
77.5°	21.5
80°	20.1
82.5°	18.6
85°	17.2
87.5°	15.8
90°	14.3
92.5°	13.6
95°	12.2
97.5°	9.3
100°	7.2
102.5°	5.0
105°	2.9
107.5°	2.1
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)