

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: P702268

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9030-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702268
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-05-D010 / 340-EU4C-1020-9030-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

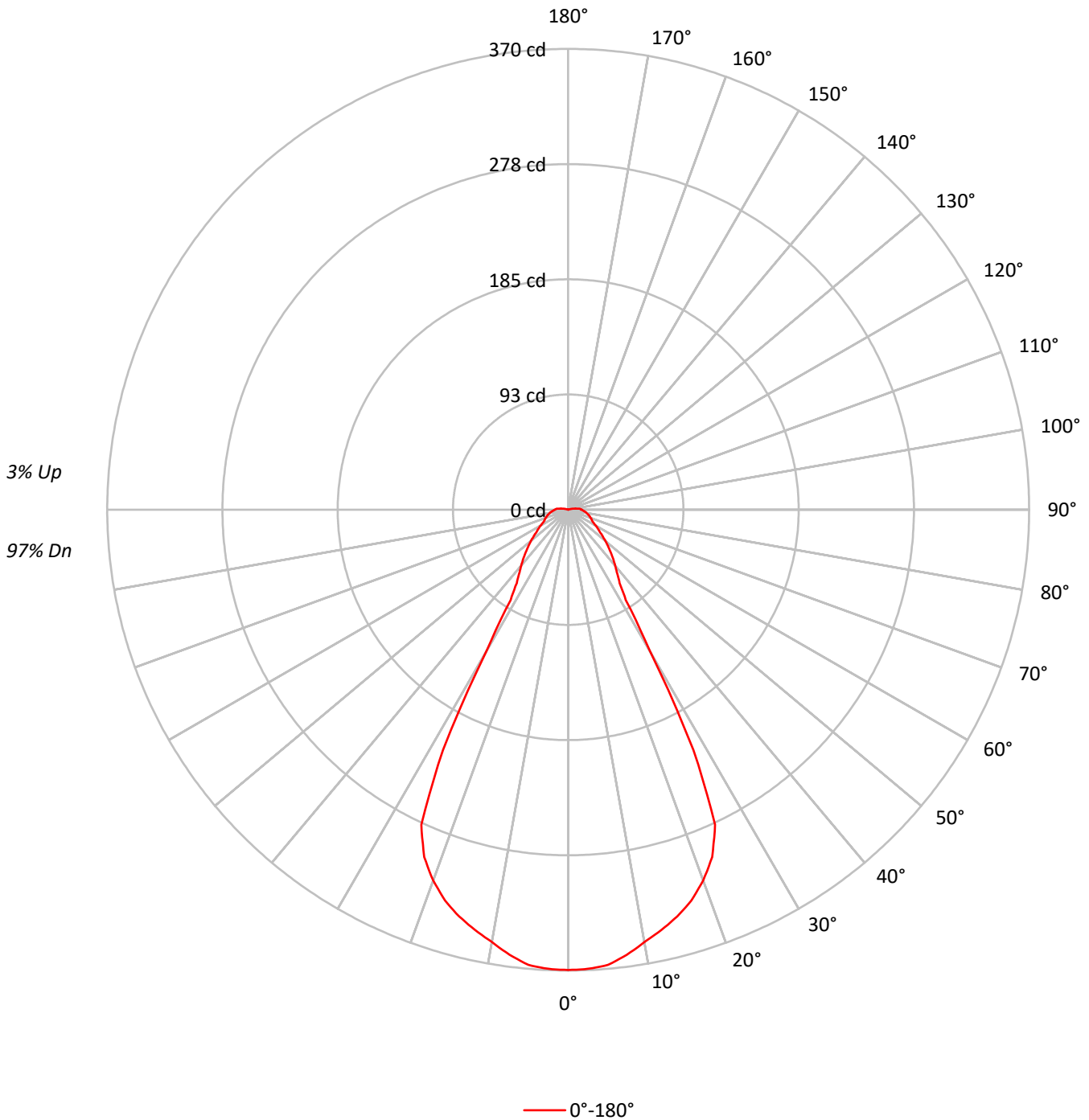
Lumens per Lamp: N/A
Luminaire Lumens: 425.6 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 7.2
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°	24113
5°	21473
10°	18835
15°	16737
20°	14712
25°	12285
30°	5511
35°	2937
40°	2335
45°	1877
50°	1506
55°	1195
60°	995
65°	840
70°	773
75°	709
80°	642
85°	579

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	8.1
10°-20°	95.0	22.3
20°-30°	115.8	27.2
30°-40°	49.1	11.5
40°-50°	37.2	8.7
50°-60°	28.2	6.6
60°-70°	21.5	5.1
70°-80°	18.0	4.2
80°-90°	14.0	3.3
90°-100°	9.3	2.2
100°-110°	2.7	0.6
110°-120°	0.2	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°	245.4	57.7
0°-40°	294.4	69.2
0°-60°	359.8	84.5
0°-90°	413.3	97.1
90°-120°	12.2	2.9
90°-150°	12.2	2.9
90°-180°	12.0	2.8
0°-180°	425.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	370	
5°	367	35
15°	338	95
25°	279	116
35°	72	49
45°	48	37
55°	31	28
65°	21	22
75°	17	18
85°	13	11
90°	11	6
95°	9	6
105°	2	3
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°	369.6
2.5°	369.0
5°	366.9
7.5°	360.5
10°	352.5
12.5°	345.6
15°	338.1
17.5°	329.0
20°	316.8
22.5°	301.8
25°	278.9
27.5°	217.6
30°	130.6
32.5°	85.9
35°	72.0
37.5°	64.5
40°	58.7
42.5°	53.3
45°	48.0
47.5°	43.2
50°	38.9
52.5°	34.7
55°	30.9
57.5°	28.3
60°	25.6
62.5°	22.9
65°	21.3
67.5°	20.3
70°	19.2
72.5°	18.1
75°	17.1
77.5°	16.0
80°	14.9
82.5°	13.9
85°	12.8
87.5°	11.7
90°	10.7
92.5°	10.1
95°	9.1
97.5°	6.9
100°	5.3
102.5°	3.7
105°	2.1
107.5°	1.6
110°	0.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.5
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)