

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: P702653

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9027-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702653
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-35-D010 / 340-EU4C-3040-9027-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

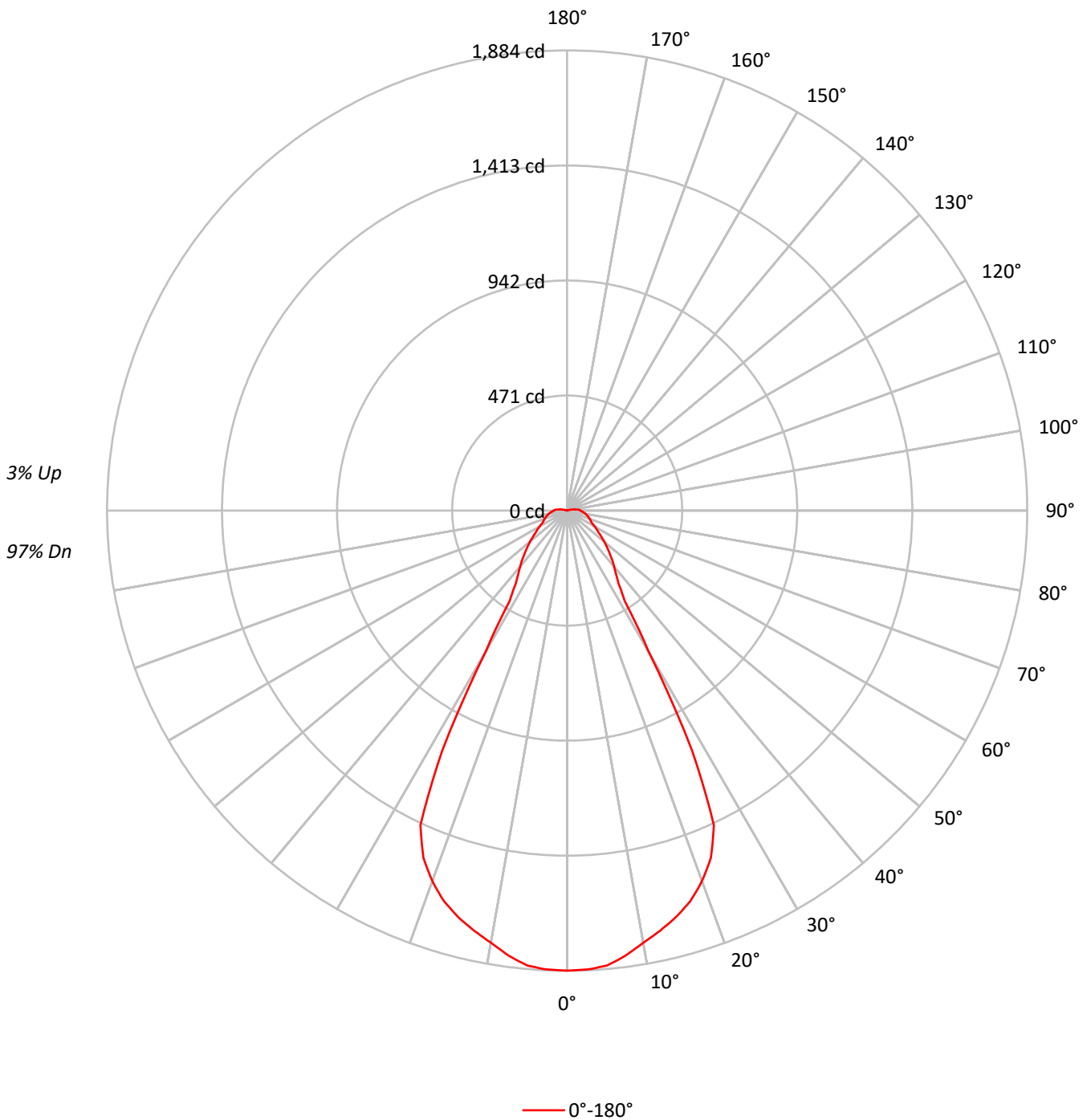
Lumens per Lamp: N/A
Luminaire Lumens: 2169.3 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 40.4
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°	122887
5°	109443
10°	95998
15°	85302
20°	74976
25°	62616
30°	28100
35°	14968
40°	11893
45°	9562
50°	7683
55°	6092
60°	5074
65°	4284
70°	3938
75°	3609
80°	3281
85°	2950

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9562 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.0	8.1
10°-20°	484.1	22.3
20°-30°	590.4	27.2
30°-40°	250.0	11.5
40°-50°	189.7	8.7
50°-60°	143.6	6.6
60°-70°	109.8	5.1
70°-80°	91.9	4.2
80°-90°	71.1	3.3
90°-100°	47.5	2.2
100°-110°	14.1	0.7
110°-120°	1.0	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°	1250.5	57.6
0°-40°	1500.5	69.2
0°-60°	1833.8	84.5
0°-90°	2106.6	97.1
90°-120°	62.6	2.9
90°-150°	62.6	2.9
90°-180°	63.0	2.9
0°-180°	2169.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1884	
5°	1870	176
15°	1723	484
25°	1422	590
35°	367	250
45°	245	190
55°	158	144
65°	109	110
75°	87	92
85°	65	56
90°	54	30
95°	46	33
105°	11	14
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°	1883.6
2.5°	1880.9
5°	1870.0
7.5°	1837.4
10°	1796.6
12.5°	1761.3
15°	1723.2
17.5°	1677.0
20°	1614.5
22.5°	1538.4
25°	1421.5
27.5°	1109.0
30°	665.9
32.5°	437.6
35°	366.9
37.5°	328.9
40°	299.0
42.5°	271.8
45°	244.6
47.5°	220.2
50°	198.4
52.5°	176.7
55°	157.6
57.5°	144.1
60°	130.5
62.5°	116.9
65°	108.7
67.5°	103.3
70°	97.8
72.5°	92.4
75°	87.0
77.5°	81.5
80°	76.1
82.5°	70.7
85°	65.2
87.5°	59.8
90°	54.4
92.5°	51.6
95°	46.2
97.5°	35.3
100°	27.2
102.5°	19.0
105°	10.9
107.5°	8.2
110°	2.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.7
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)