

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: P702387

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9035-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702387
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-1020-9035-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

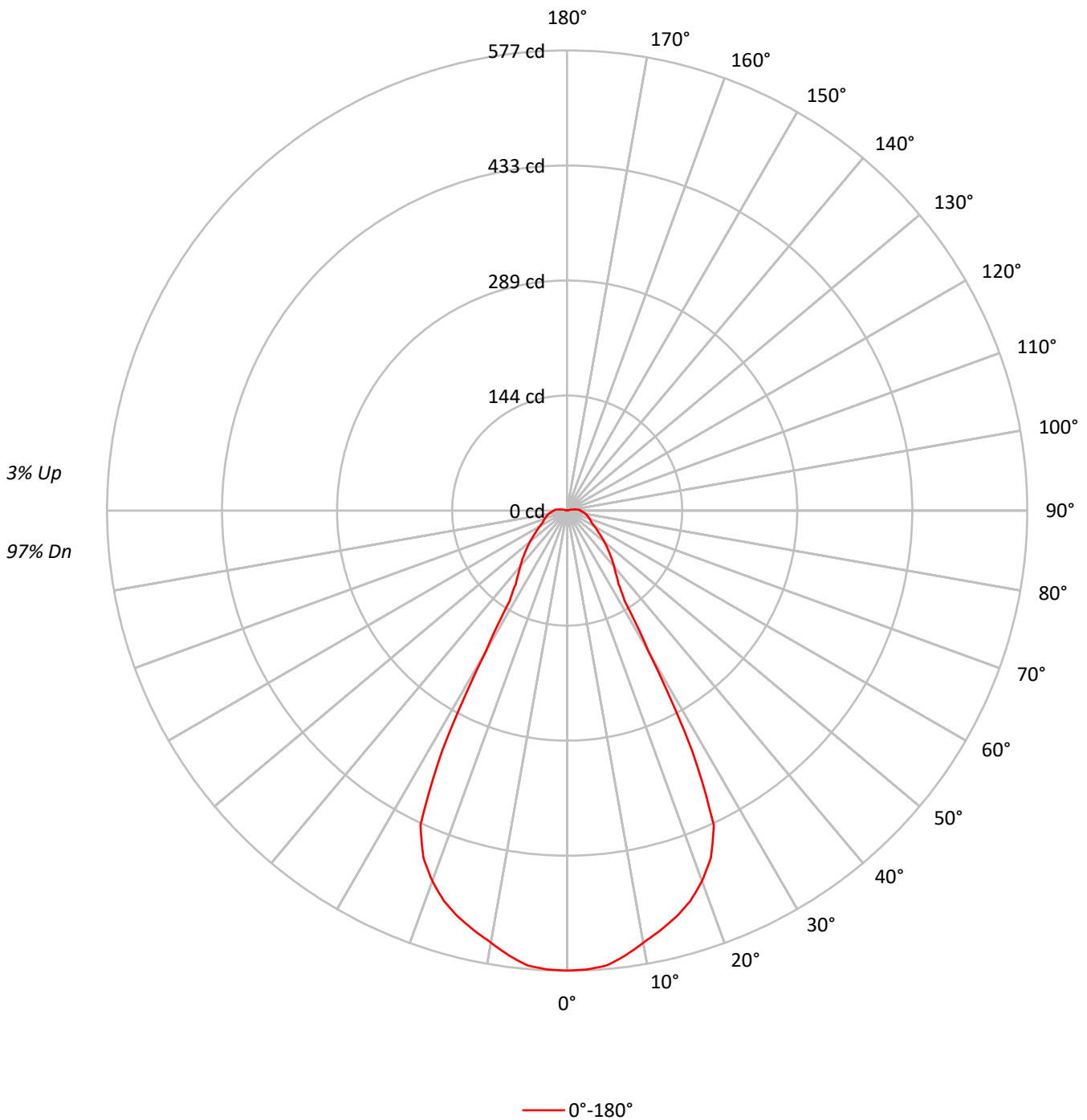
Lumens per Lamp: N/A
Luminaire Lumens: 664.1 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 9.8
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

TEST NUMBER: P702387

CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9035-4LBW1LI-FF

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°	37624
5°	33506
10°	29394
15°	26117
20°	22955
25°	19170
30°	8604
35°	4581
40°	3639
45°	2928
50°	2351
55°	1867
60°	1551
65°	1313
70°	1208
75°	1104
80°	1005
85°	905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2928 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	8.1
10°-20°	148.2	22.3
20°-30°	180.8	27.2
30°-40°	76.5	11.5
40°-50°	58.1	8.7
50°-60°	44.0	6.6
60°-70°	33.6	5.1
70°-80°	28.2	4.2
80°-90°	21.8	3.3
90°-100°	14.5	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°	382.9	57.7
0°-40°	459.4	69.2
0°-60°	561.4	84.5
0°-90°	644.9	97.1
90°-120°	19.1	2.9
90°-150°	19.1	2.9
90°-180°	19.0	2.9
0°-180°	664.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	577	
5°	572	54
15°	528	148
25°	435	181
35°	112	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°	576.7
2.5°	575.9
5°	572.5
7.5°	562.5
10°	550.1
12.5°	539.2
15°	527.6
17.5°	513.4
20°	494.3
22.5°	471.0
25°	435.2
27.5°	339.5
30°	203.9
32.5°	134.0
35°	112.3
37.5°	100.7
40°	91.5
42.5°	83.2
45°	74.9
47.5°	67.4
50°	60.7
52.5°	54.1
55°	48.3
57.5°	44.1
60°	39.9
62.5°	35.8
65°	33.3
67.5°	31.6
70°	30.0
72.5°	28.3
75°	26.6
77.5°	25.0
80°	23.3
82.5°	21.6
85°	20.0
87.5°	18.3
90°	16.6
92.5°	15.8
95°	14.1
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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CATALOG NUMBER: 340-6C-10-D010 / 340-EU4C-1020-9035-4LBW1LI-FF

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)