

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: P702735

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9050-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-40-D010 / 340-EU4C-3040-9050-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

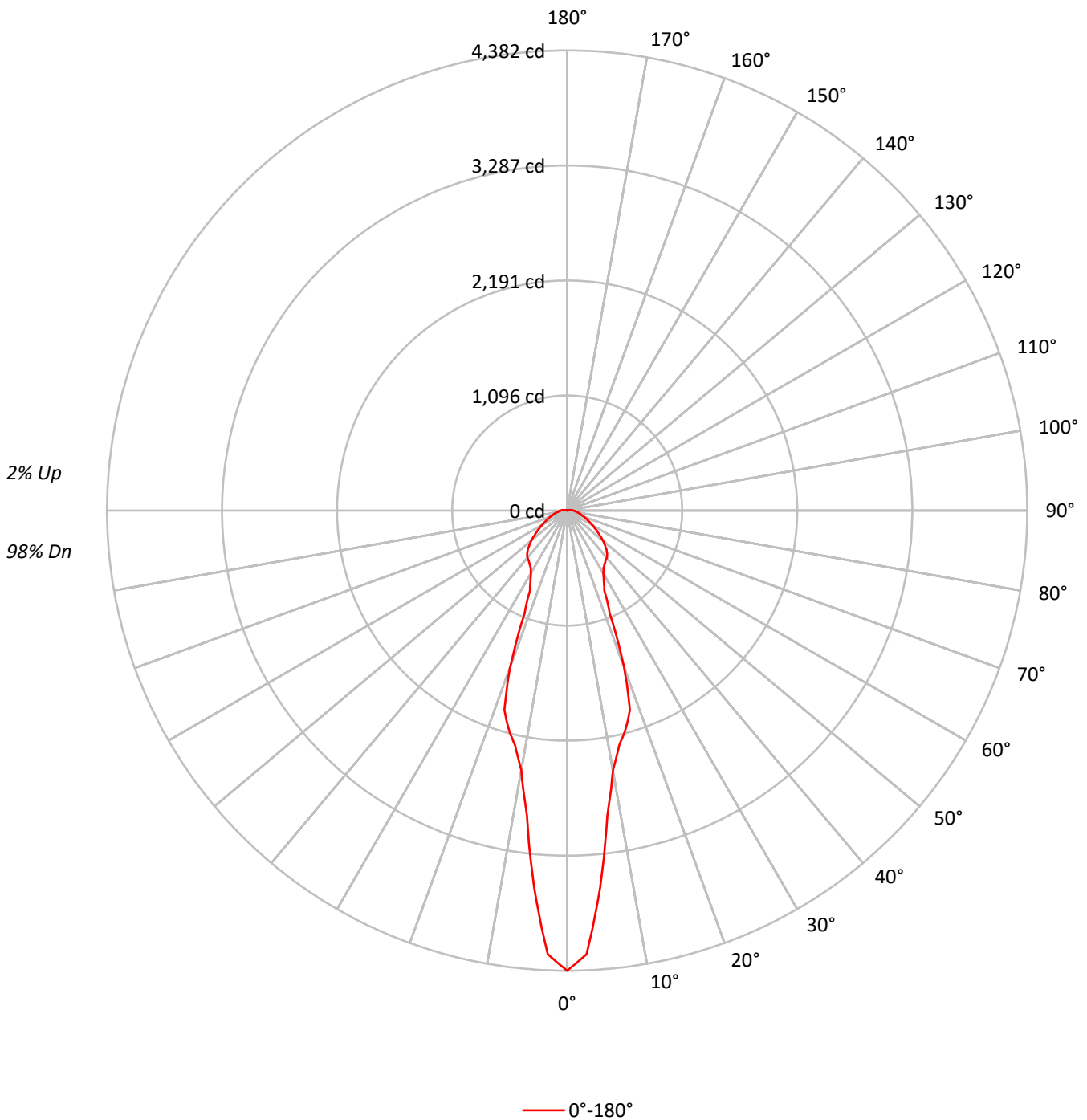
Lumens per Lamp: N/A
Luminaire Lumens: 2945.2 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 47
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: P702735

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9050-4LBW1LI-CF

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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	109	105	101	98	107	103	99	96	98	95	93		94	92	90		90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80		85	81	78		82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70		77	73	69		75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63		71	66	62		69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56		66	60	56		64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52		61	55	51		59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44		53	48	44		52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41		50	45	41		49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	285891
5°	210939
10°	134138
15°	106613
20°	73513
25°	36962
30°	29100
35°	25358
40°	23375
45°	20716
50°	17233
55°	13658
60°	10833
65°	8569
70°	6705
75°	5356
80°	4394
85°	3533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20716 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.8	10.4
10°-20°	589.2	20.0
20°-30°	427.9	14.5
30°-40°	392.5	13.3
40°-50°	404.9	13.7
50°-60°	318.2	10.8
60°-70°	216.4	7.3
70°-80°	138.6	4.7
80°-90°	85.6	2.9
90°-100°	49.6	1.7
100°-110°	14.9	0.5
110°-120°	0.4	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°	1324.0	45.0
0°-40°	1716.5	58.3
0°-60°	2439.6	82.8
0°-90°	2880.2	97.8
90°-120°	65.0	2.2
90°-150°	65.0	2.2
90°-180°	65.0	2.2
0°-180°	2945.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4382	
5°	3604	307
15°	2154	589
25°	839	428
35°	622	393
45°	530	405
55°	353	318
65°	217	216
75°	129	139
85°	78	68
90°	58	33
95°	48	34
105°	14	15
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°	4382.1
2.5°	4229.2
5°	3604.2
7.5°	2928.2
10°	2510.4
12.5°	2289.6
15°	2153.7
17.5°	1987.2
20°	1583.0
22.5°	1059.9
25°	839.1
27.5°	754.1
30°	689.6
32.5°	645.4
35°	621.6
37.5°	601.3
40°	587.7
42.5°	563.9
45°	529.9
47.5°	489.2
50°	445.0
52.5°	397.4
55°	353.3
57.5°	312.5
60°	278.6
62.5°	244.6
65°	217.4
67.5°	190.2
70°	166.5
72.5°	146.1
75°	129.1
77.5°	115.5
80°	101.9
82.5°	88.3
85°	78.1
87.5°	67.9
90°	57.7
92.5°	54.4
95°	47.6
97.5°	37.4
100°	27.2
102.5°	20.4
105°	13.6
107.5°	6.8
110°	3.4

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CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9050-4LBW1LI-CF

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
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)