

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: P702336

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9040-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702336
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-08-D010 / 340-EU4C-1020-9040-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

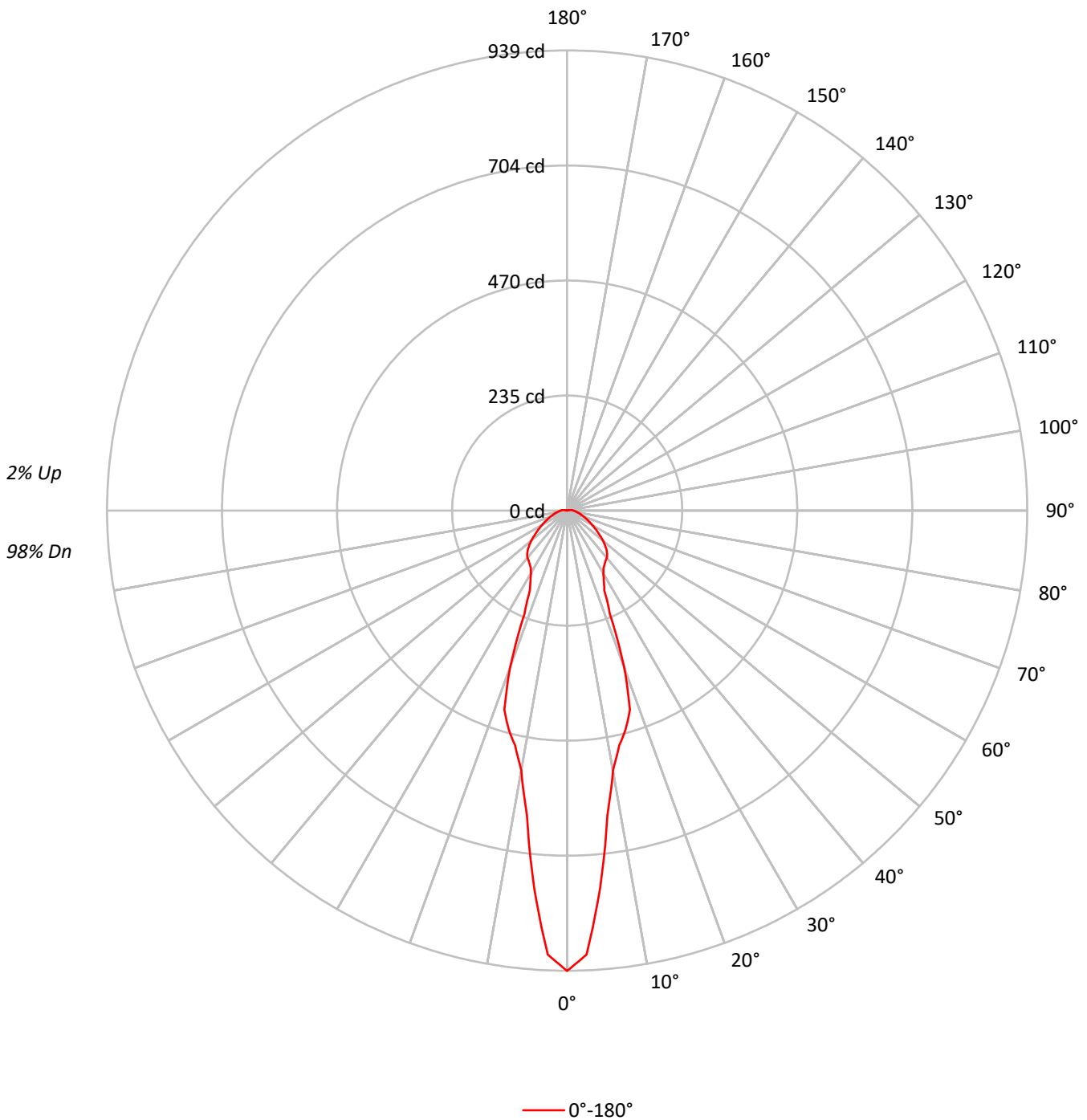
Lumens per Lamp: N/A
Luminaire Lumens: 631.4 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P702336

CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9040-4LBW1LI-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°	61287
5°	45217
10°	28752
15°	22855
20°	15757
25°	7924
30°	6237
35°	5438
40°	5012
45°	4441
50°	3695
55°	2926
60°	2321
65°	1837
70°	1438
75°	1149
80°	940
85°	756

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4441 cd/sqm

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CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9040-4LBW1LI-CF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	10.4
10°-20°	126.3	20.0
20°-30°	91.7	14.5
30°-40°	84.2	13.3
40°-50°	86.8	13.8
50°-60°	68.2	10.8
60°-70°	46.4	7.3
70°-80°	29.7	4.7
80°-90°	18.3	2.9
90°-100°	10.6	1.7
100°-110°	3.2	0.5
110°-120°	0.1	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°	283.8	45.0
0°-40°	368.0	58.3
0°-60°	523.0	82.8
0°-90°	617.4	97.8
90°-120°	13.9	2.2
90°-150°	13.9	2.2
90°-180°	14.0	2.2
0°-180°	631.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	939	
5°	773	66
15°	462	126
25°	180	92
35°	133	84
45°	114	87
55°	76	68
65°	47	46
75°	28	30
85°	17	15
90°	12	7
95°	10	7
105°	3	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°	939.4
2.5°	906.6
5°	772.6
7.5°	627.7
10°	538.1
12.5°	490.8
15°	461.7
17.5°	426.0
20°	339.3
22.5°	227.2
25°	179.9
27.5°	161.7
30°	147.8
32.5°	138.4
35°	133.3
37.5°	128.9
40°	126.0
42.5°	120.9
45°	113.6
47.5°	104.9
50°	95.4
52.5°	85.2
55°	75.7
57.5°	67.0
60°	59.7
62.5°	52.4
65°	46.6
67.5°	40.8
70°	35.7
72.5°	31.3
75°	27.7
77.5°	24.8
80°	21.8
82.5°	18.9
85°	16.7
87.5°	14.6
90°	12.4
92.5°	11.7
95°	10.2
97.5°	8.0
100°	5.8
102.5°	4.4
105°	2.9
107.5°	1.5
110°	0.7

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CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9040-4LBW1LI-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)