

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: P702547

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9030-4LBW1LI-CQ

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-25-D010 / 340-EU4C-3040-9030-4LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

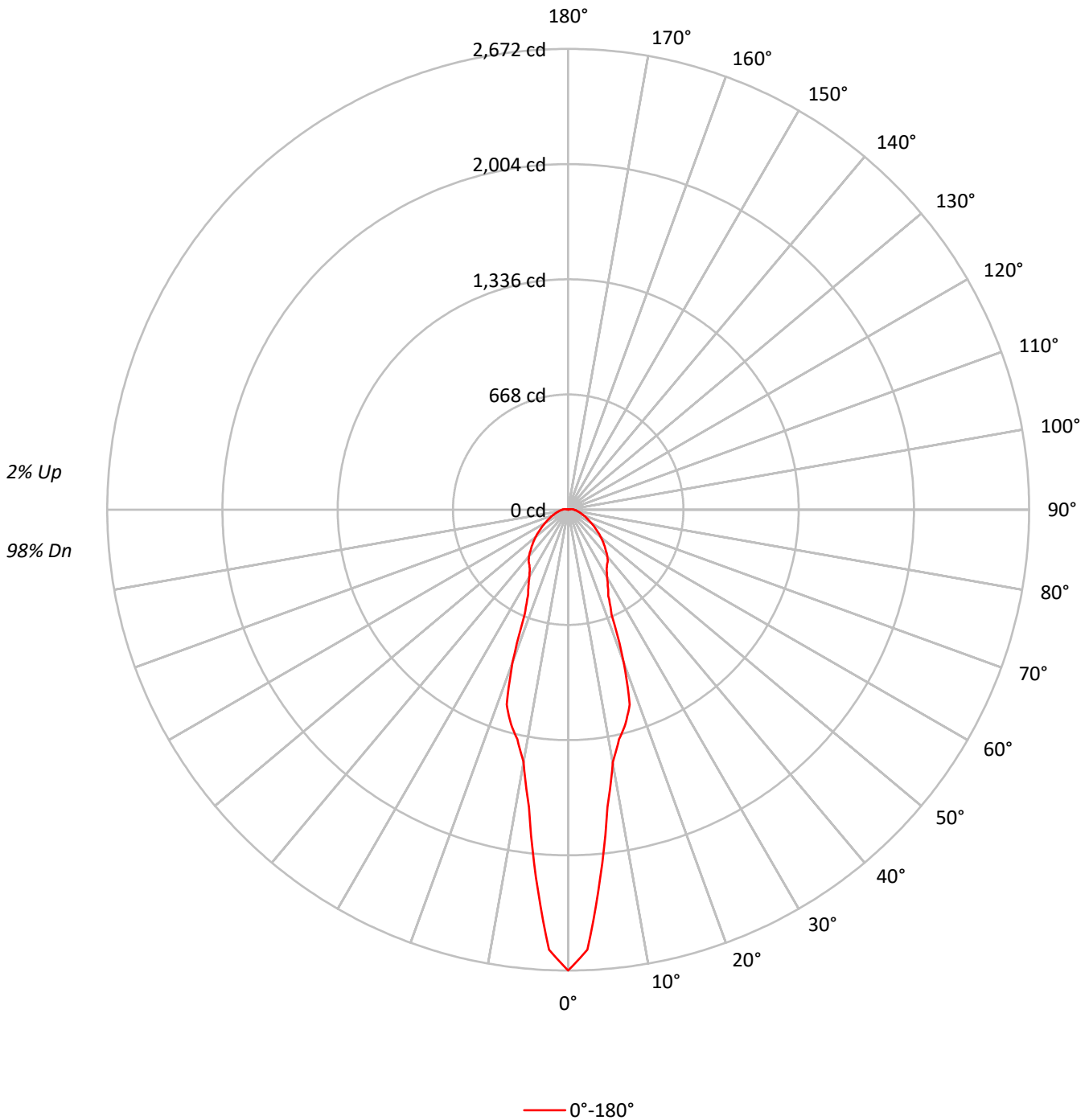
Lumens per Lamp: N/A
Luminaire Lumens: 1746.9 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.5
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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	110	105	102	98	107	103	100	97	98	96	93		94	92	90		90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81		85	82	78		82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71		78	73	70		75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63		72	67	62		69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57		66	61	57		64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48		58	52	48		56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45		54	48	44		53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42		51	45	41		50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39		48	43	39		47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	174303
5°	125210
10°	79444
15°	63605
20°	43755
25°	24258
30°	19019
35°	15975
40°	14032
45°	11642
50°	9558
55°	7569
60°	6027
65°	4742
70°	3777
75°	3045
80°	2462
85°	2031

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11642 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	10.5
10°-20°	350.9	20.1
20°-30°	272.4	15.6
30°-40°	247.8	14.2
40°-50°	229.9	13.2
50°-60°	176.9	10.1
60°-70°	121.1	6.9
70°-80°	78.6	4.5
80°-90°	48.9	2.8
90°-100°	28.4	1.6
100°-110°	9.0	0.5
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°	806.1	46.1
0°-40°	1053.9	60.3
0°-60°	1460.7	83.6
0°-90°	1709.4	97.8
90°-120°	37.6	2.2
90°-150°	37.6	2.2
90°-180°	38.0	2.2
0°-180°	1746.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2672	
5°	2139	183
15°	1285	351
25°	551	272
35°	392	248
45°	298	230
55°	196	177
65°	120	121
75°	73	79
85°	45	39
90°	33	18
95°	26	20
105°	8	9
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°	2671.7
2.5°	2553.4
5°	2139.4
7.5°	1739.7
10°	1486.8
12.5°	1362.4
15°	1284.9
17.5°	1184.9
20°	942.2
22.5°	658.8
25°	550.7
27.5°	497.6
30°	450.7
32.5°	414.0
35°	391.6
37.5°	377.3
40°	352.8
42.5°	324.3
45°	297.8
47.5°	271.3
50°	246.8
52.5°	220.3
55°	195.8
57.5°	175.4
60°	155.0
62.5°	136.6
65°	120.3
67.5°	108.1
70°	93.8
72.5°	83.6
75°	73.4
77.5°	65.3
80°	57.1
82.5°	51.0
85°	44.9
87.5°	38.8
90°	32.6
92.5°	30.6
95°	26.5
97.5°	22.4
100°	16.3
102.5°	12.2
105°	8.2
107.5°	4.1
110°	2.0

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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)