

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: P702309

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9024-4LBW1LI-CQ

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702309
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-08-D010 / 340-EU4C-1020-9024-4LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

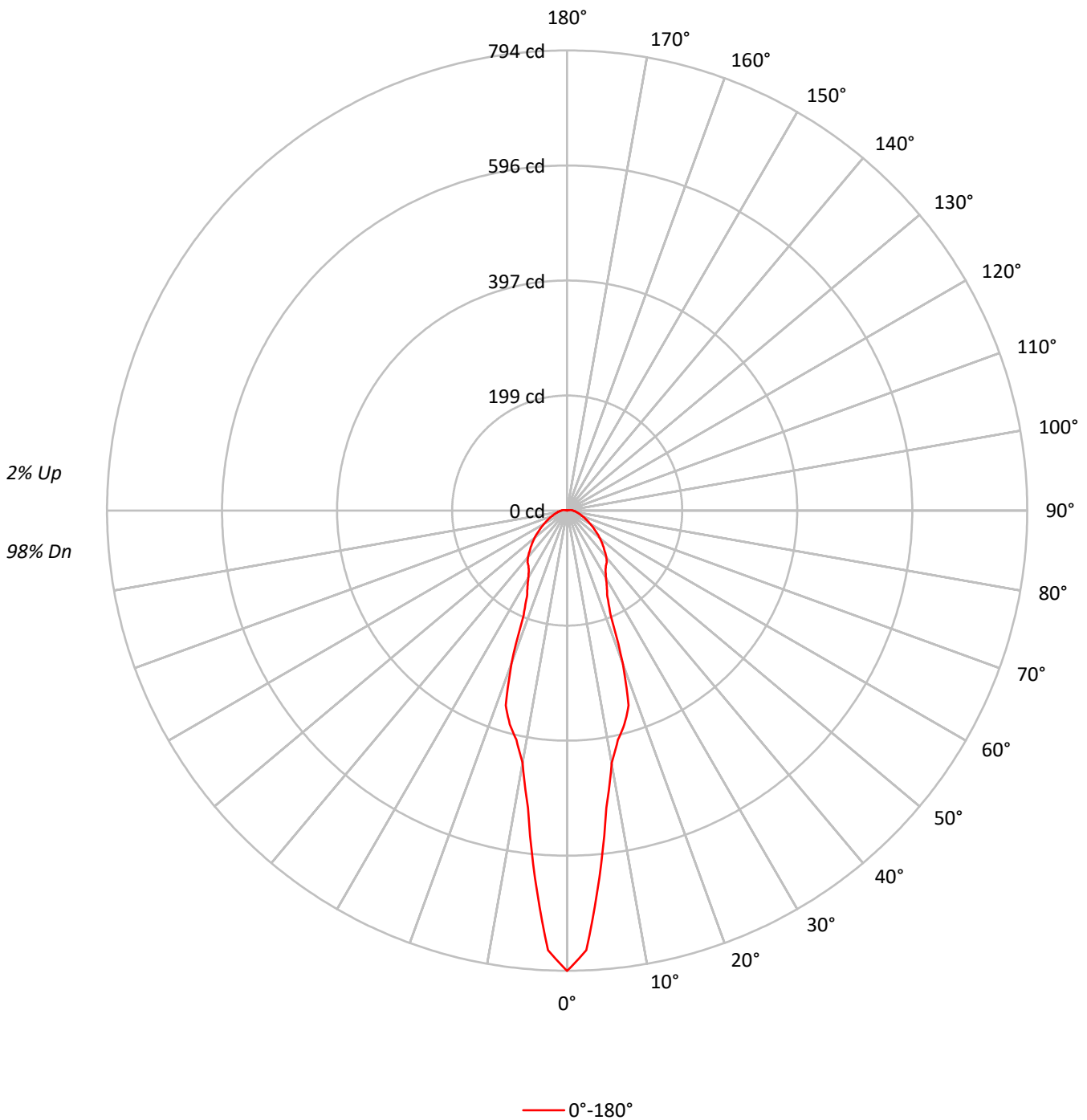
Lumens per Lamp: N/A
Luminaire Lumens: 519.4 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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

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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°	51821
5°	37228
10°	23617
15°	18910
20°	13008
25°	7211
30°	5655
35°	4748
40°	4172
45°	3460
50°	2843
55°	2250
60°	1793
65°	1411
70°	1124
75°	904
80°	733
85°	602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3460 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	10.5
10°-20°	104.3	20.1
20°-30°	81.0	15.6
30°-40°	73.7	14.2
40°-50°	68.3	13.2
50°-60°	52.6	10.1
60°-70°	36.0	6.9
70°-80°	23.4	4.5
80°-90°	14.5	2.8
90°-100°	8.5	1.6
100°-110°	2.6	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°	239.7	46.1
0°-40°	313.3	60.3
0°-60°	434.3	83.6
0°-90°	508.2	97.8
90°-120°	11.2	2.2
90°-150°	11.2	2.2
90°-180°	11.0	2.1
0°-180°	519.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	794	
5°	636	54
15°	382	104
25°	164	81
35°	116	74
45°	88	68
55°	58	53
65°	36	36
75°	22	23
85°	13	12
90°	10	5
95°	8	6
105°	2	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°	794.3
2.5°	759.2
5°	636.1
7.5°	517.2
10°	442.0
12.5°	405.1
15°	382.0
17.5°	352.3
20°	280.1
22.5°	195.9
25°	163.7
27.5°	148.0
30°	134.0
32.5°	123.1
35°	116.4
37.5°	112.2
40°	104.9
42.5°	96.4
45°	88.5
47.5°	80.6
50°	73.4
52.5°	65.5
55°	58.2
57.5°	52.1
60°	46.1
62.5°	40.6
65°	35.8
67.5°	32.1
70°	27.9
72.5°	24.9
75°	21.8
77.5°	19.4
80°	17.0
82.5°	15.2
85°	13.3
87.5°	11.5
90°	9.7
92.5°	9.1
95°	7.9
97.5°	6.7
100°	4.9
102.5°	3.6
105°	2.4
107.5°	1.2
110°	0.6

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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)