

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: P702728

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9040-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702728
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-3040-9040-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

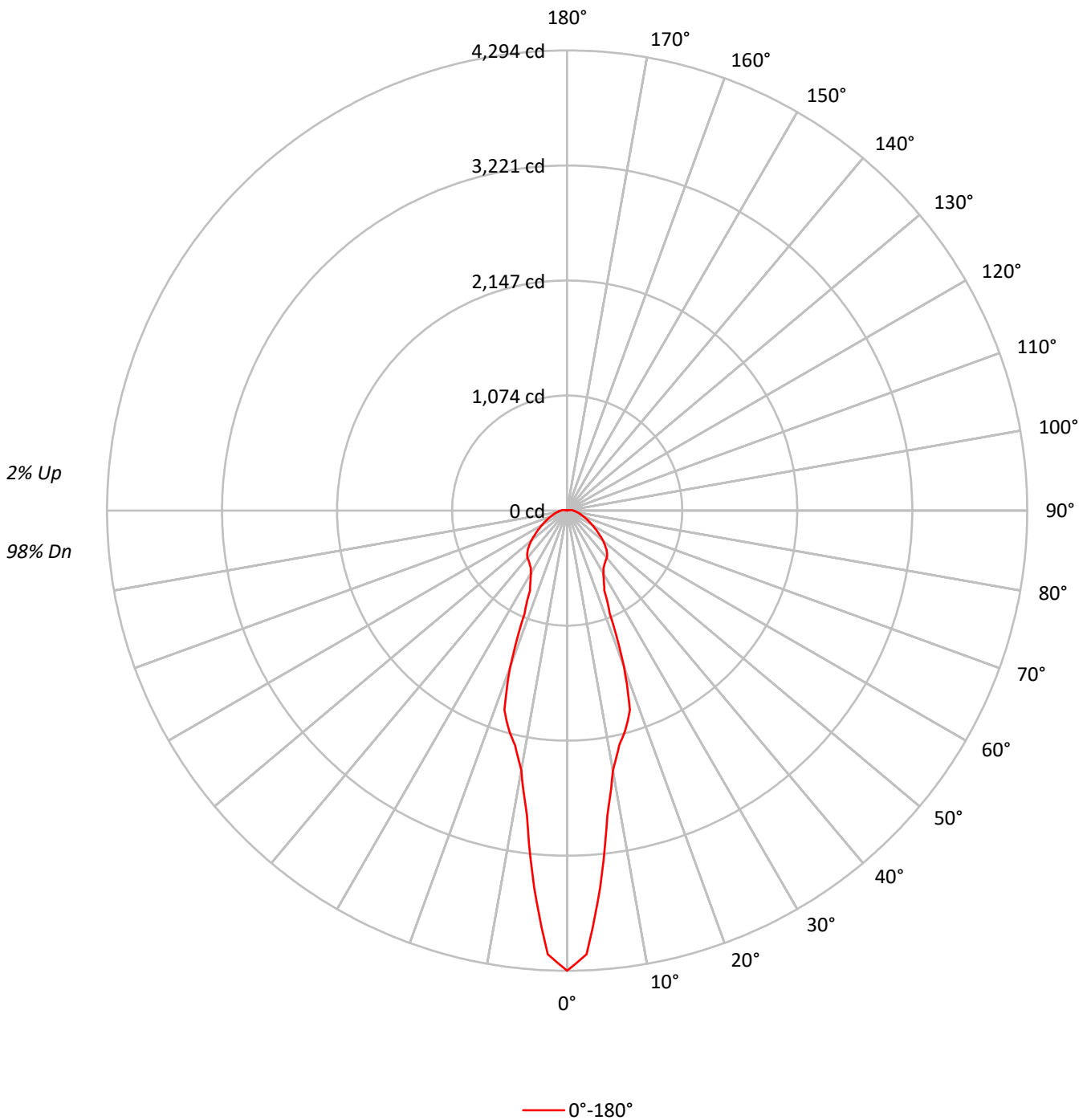
Lumens per Lamp: N/A
Luminaire Lumens: 2886.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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

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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	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°	280143
5°	206696
10°	131440
15°	104470
20°	72037
25°	36217
30°	28513
35°	24848
40°	22906
45°	20302
50°	16889
55°	13383
60°	10615
65°	8395
70°	6568
75°	5248
80°	4308
85°	3466

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20302 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.7	10.4
10°-20°	577.4	20.0
20°-30°	419.3	14.5
30°-40°	384.6	13.3
40°-50°	396.8	13.7
50°-60°	311.8	10.8
60°-70°	212.0	7.3
70°-80°	135.8	4.7
80°-90°	83.9	2.9
90°-100°	48.6	1.7
100°-110°	14.6	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°	1297.3	45.0
0°-40°	1682.0	58.3
0°-60°	2390.6	82.8
0°-90°	2822.3	97.8
90°-120°	63.7	2.2
90°-150°	63.7	2.2
90°-180°	64.0	2.2
0°-180°	2886.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4294	
5°	3532	301
15°	2110	577
25°	822	419
35°	609	385
45°	519	397
55°	346	312
65°	213	212
75°	126	136
85°	77	67
90°	57	32
95°	47	34
105°	13	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°	4294.0
2.5°	4144.2
5°	3531.7
7.5°	2869.3
10°	2459.9
12.5°	2243.5
15°	2110.4
17.5°	1947.3
20°	1551.2
22.5°	1038.5
25°	822.2
27.5°	739.0
30°	675.7
32.5°	632.5
35°	609.1
37.5°	589.2
40°	575.9
42.5°	552.6
45°	519.3
47.5°	479.3
50°	436.1
52.5°	389.5
55°	346.2
57.5°	306.2
60°	273.0
62.5°	239.7
65°	213.0
67.5°	186.4
70°	163.1
72.5°	143.1
75°	126.5
77.5°	113.2
80°	99.9
82.5°	86.5
85°	76.6
87.5°	66.6
90°	56.6
92.5°	53.3
95°	46.6
97.5°	36.6
100°	26.6
102.5°	20.0
105°	13.3
107.5°	6.7
110°	3.3

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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)