

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: P702714

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9030-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702714
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-3040-9030-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

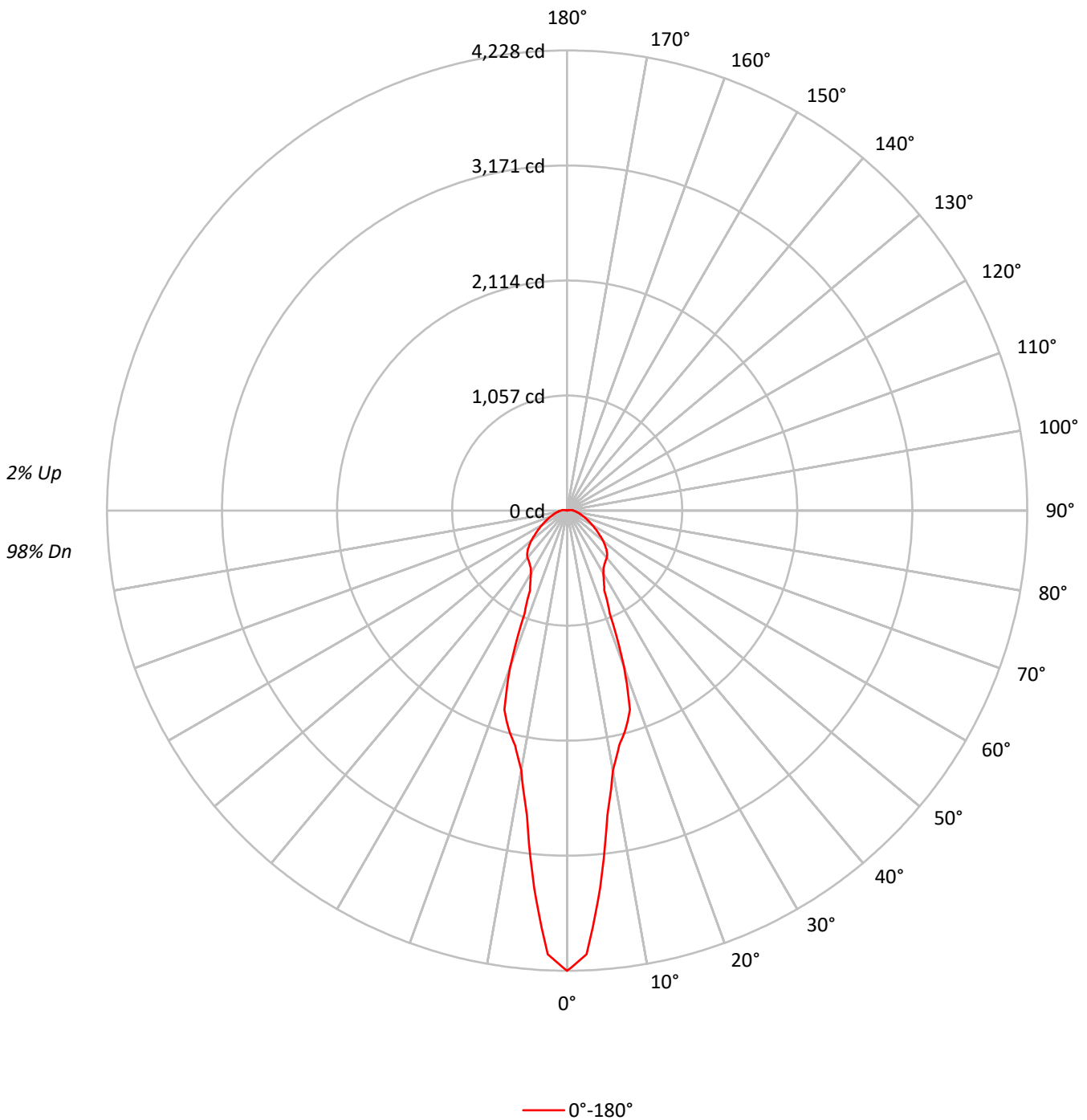
Lumens per Lamp: N/A
Luminaire Lumens: 2841.8 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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°	275850
5°	203535
10°	129426
15°	102871
20°	70931
25°	35662
30°	28079
35°	24469
40°	22552
45°	19989
50°	16629
55°	13178
60°	10452
65°	8269
70°	6467
75°	5169
80°	4239
85°	3411

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19989 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.1	10.4
10°-20°	568.6	20.0
20°-30°	412.9	14.5
30°-40°	378.8	13.3
40°-50°	390.7	13.7
50°-60°	307.0	10.8
60°-70°	208.8	7.3
70°-80°	133.7	4.7
80°-90°	82.6	2.9
90°-100°	47.9	1.7
100°-110°	14.4	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°	1277.5	45.0
0°-40°	1656.3	58.3
0°-60°	2354.0	82.8
0°-90°	2779.1	97.8
90°-120°	62.7	2.2
90°-150°	62.7	2.2
90°-180°	63.0	2.2
0°-180°	2841.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4228	
5°	3478	296
15°	2078	569
25°	810	413
35°	600	379
45°	511	391
55°	341	307
65°	210	209
75°	125	134
85°	75	66
90°	56	31
95°	46	33
105°	13	14
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°	4228.2
2.5°	4080.8
5°	3477.7
7.5°	2825.4
10°	2422.2
12.5°	2209.2
15°	2078.1
17.5°	1917.5
20°	1527.4
22.5°	1022.6
25°	809.6
27.5°	727.7
30°	665.4
32.5°	622.8
35°	599.8
37.5°	580.2
40°	567.0
42.5°	544.1
45°	511.3
47.5°	472.0
50°	429.4
52.5°	383.5
55°	340.9
57.5°	301.5
60°	268.8
62.5°	236.0
65°	209.8
67.5°	183.6
70°	160.6
72.5°	140.9
75°	124.6
77.5°	111.4
80°	98.3
82.5°	85.2
85°	75.4
87.5°	65.6
90°	55.7
92.5°	52.4
95°	45.9
97.5°	36.1
100°	26.2
102.5°	19.7
105°	13.1
107.5°	6.6
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)