

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: P702602

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9030-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702602
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-30-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

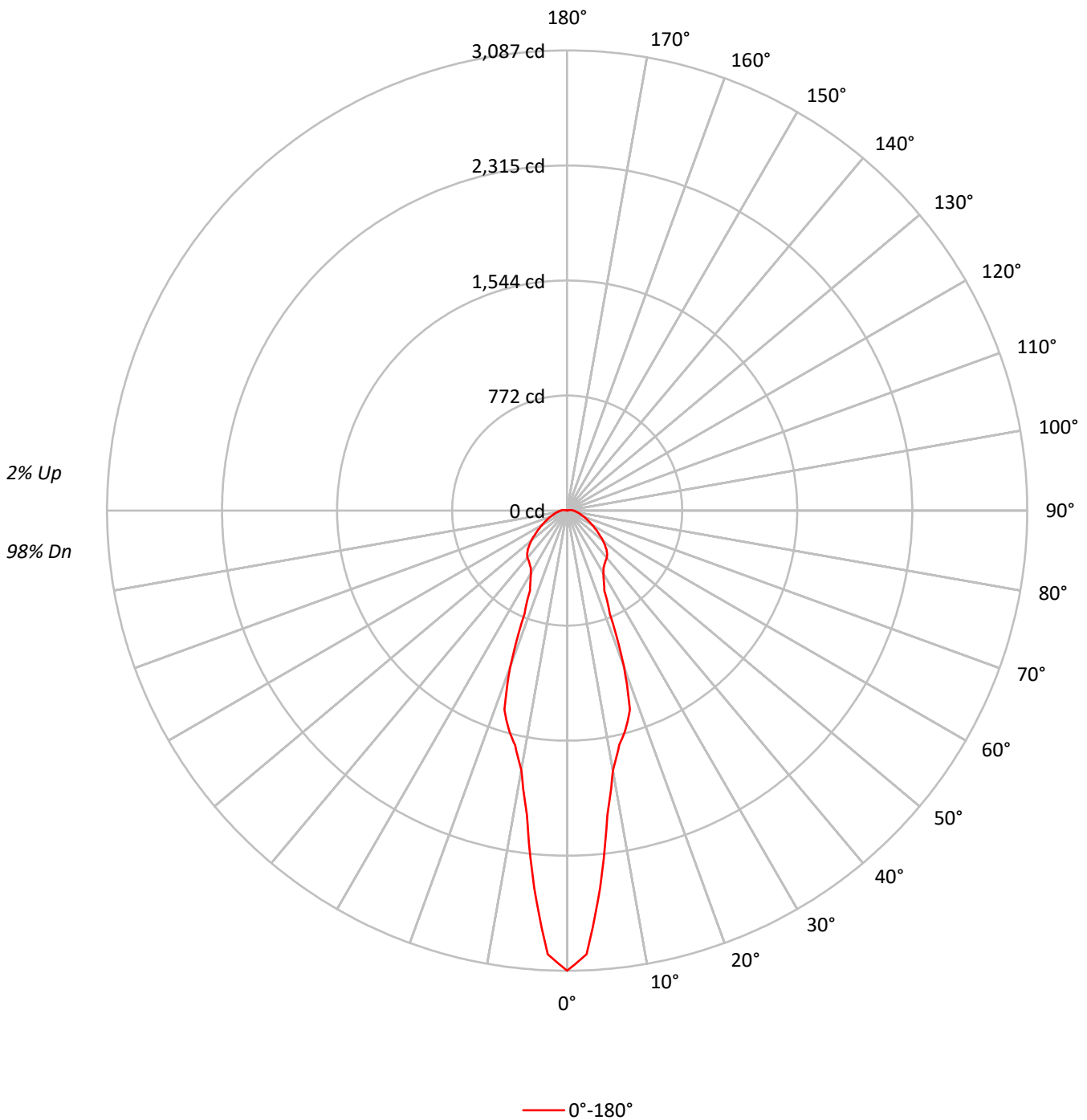
Lumens per Lamp: N/A
Luminaire Lumens: 2074.4 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.6
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°	201372
5°	148574
10°	94480
15°	75095
20°	51780
25°	26033
30°	20496
35°	17864
40°	16463
45°	14594
50°	12137
55°	9618
60°	7629
65°	6034
70°	4720
75°	3771
80°	3096
85°	2488

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14594 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.1	10.4
10°-20°	415.0	20.0
20°-30°	301.4	14.5
30°-40°	276.5	13.3
40°-50°	285.2	13.7
50°-60°	224.1	10.8
60°-70°	152.4	7.3
70°-80°	97.6	4.7
80°-90°	60.3	2.9
90°-100°	34.9	1.7
100°-110°	10.5	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°	932.5	45.0
0°-40°	1209.0	58.3
0°-60°	1718.3	82.8
0°-90°	2028.7	97.8
90°-120°	45.8	2.2
90°-150°	45.8	2.2
90°-180°	46.0	2.2
0°-180°	2074.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3087	
5°	2539	216
15°	1517	415
25°	591	301
35°	438	276
45°	373	285
55°	249	224
65°	153	152
75°	91	98
85°	55	48
90°	41	23
95°	34	24
105°	10	11
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°	3086.6
2.5°	2978.9
5°	2538.6
7.5°	2062.5
10°	1768.2
12.5°	1612.7
15°	1517.0
17.5°	1399.7
20°	1115.0
22.5°	746.5
25°	591.0
27.5°	531.2
30°	485.7
32.5°	454.6
35°	437.9
37.5°	423.5
40°	413.9
42.5°	397.2
45°	373.3
47.5°	344.5
50°	313.4
52.5°	279.9
55°	248.8
57.5°	220.1
60°	196.2
62.5°	172.3
65°	153.1
67.5°	134.0
70°	117.2
72.5°	102.9
75°	90.9
77.5°	81.4
80°	71.8
82.5°	62.2
85°	55.0
87.5°	47.9
90°	40.7
92.5°	38.3
95°	33.5
97.5°	26.3
100°	19.1
102.5°	14.4
105°	9.6
107.5°	4.8
110°	2.4

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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)