

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: P702378

Luminaire Tested: 340-6C-10-D010 / 340-EU4C-1020-9030-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702378
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-10-D010 / 340-EU4C-1020-9030-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

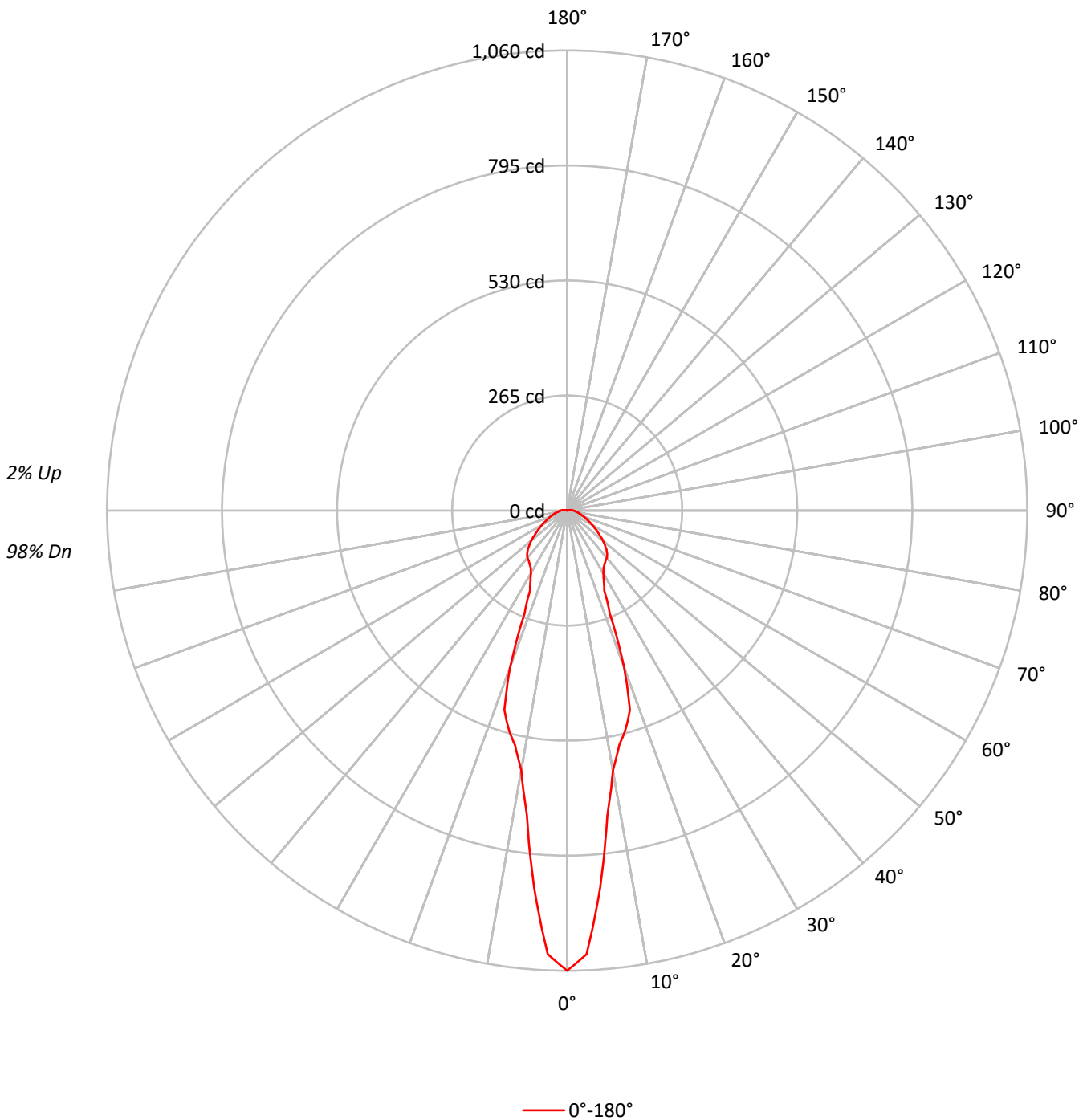
Lumens per Lamp: N/A
Luminaire Lumens: 712.4 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 9.8
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	57		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		56	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°	69155
5°	51029
10°	32450
15°	25791
20°	17782
25°	8942
30°	7039
35°	6136
40°	5656
45°	5012
50°	4167
55°	3305
60°	2621
65°	2073
70°	1623
75°	1294
80°	1065
85°	855

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5012 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	10.4
10°-20°	142.5	20.0
20°-30°	103.5	14.5
30°-40°	94.9	13.3
40°-50°	97.9	13.7
50°-60°	77.0	10.8
60°-70°	52.4	7.3
70°-80°	33.5	4.7
80°-90°	20.7	2.9
90°-100°	12.0	1.7
100°-110°	3.6	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°	320.3	45.0
0°-40°	415.2	58.3
0°-60°	590.1	82.8
0°-90°	696.7	97.8
90°-120°	15.7	2.2
90°-150°	15.7	2.2
90°-180°	16.0	2.2
0°-180°	712.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1060	
5°	872	74
15°	521	143
25°	203	104
35°	150	95
45°	128	98
55°	86	77
65°	53	52
75°	31	34
85°	19	17
90°	14	8
95°	12	8
105°	3	4
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°	1060.0
2.5°	1023.1
5°	871.9
7.5°	708.3
10°	607.3
12.5°	553.9
15°	521.0
17.5°	480.7
20°	382.9
22.5°	256.4
25°	203.0
27.5°	182.4
30°	166.8
32.5°	156.1
35°	150.4
37.5°	145.4
40°	142.2
42.5°	136.4
45°	128.2
47.5°	118.3
50°	107.6
52.5°	96.1
55°	85.5
57.5°	75.6
60°	67.4
62.5°	59.2
65°	52.6
67.5°	46.0
70°	40.3
72.5°	35.3
75°	31.2
77.5°	27.9
80°	24.7
82.5°	21.4
85°	18.9
87.5°	16.4
90°	14.0
92.5°	13.1
95°	11.5
97.5°	9.0
100°	6.6
102.5°	4.9
105°	3.3
107.5°	1.6
110°	0.8

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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)