

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: P702567

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9050-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702567
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-25-D010 / 340-EU4C-3040-9050-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

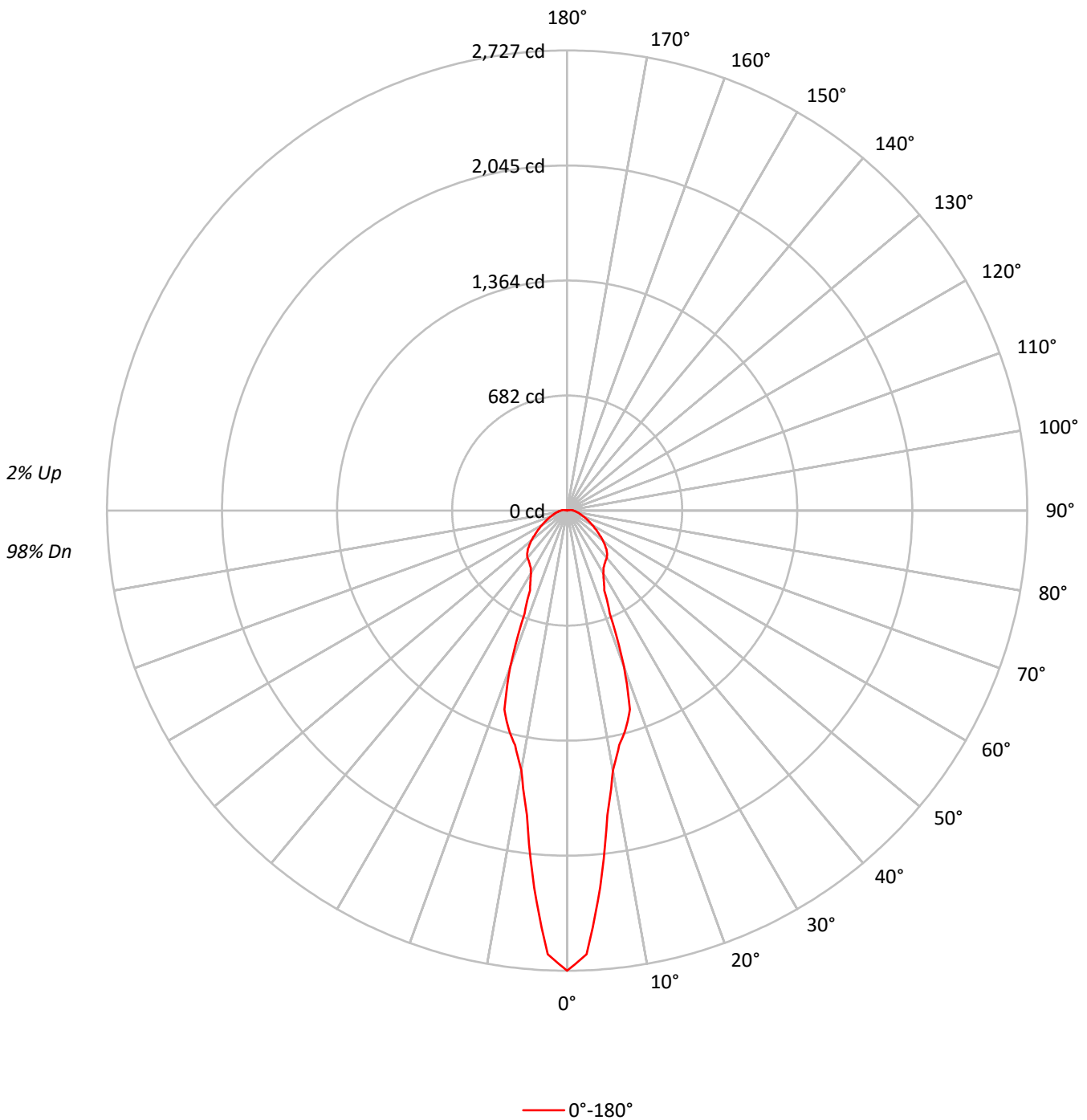
Lumens per Lamp: N/A
Luminaire Lumens: 1832.6 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.5
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°	177892
5°	131250
10°	83462
15°	66338
20°	45743
25°	22998
30°	18107
35°	15779
40°	14545
45°	12889
50°	10723
55°	8497
60°	6739
65°	5333
70°	4172
75°	3331
80°	2734
85°	2199

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12889 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	10.4
10°-20°	366.6	20.0
20°-30°	266.2	14.5
30°-40°	244.2	13.3
40°-50°	252.0	13.7
50°-60°	198.0	10.8
60°-70°	134.6	7.3
70°-80°	86.2	4.7
80°-90°	53.3	2.9
90°-100°	30.9	1.7
100°-110°	9.3	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°	823.8	45.0
0°-40°	1068.1	58.3
0°-60°	1518.0	82.8
0°-90°	1792.2	97.8
90°-120°	40.4	2.2
90°-150°	40.4	2.2
90°-180°	40.0	2.2
0°-180°	1832.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2727	
5°	2243	191
15°	1340	367
25°	522	266
35°	387	244
45°	330	252
55°	220	198
65°	135	135
75°	80	86
85°	49	43
90°	36	20
95°	30	21
105°	8	9
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°	2726.7
2.5°	2631.6
5°	2242.6
7.5°	1822.0
10°	1562.0
12.5°	1424.6
15°	1340.1
17.5°	1236.5
20°	985.0
22.5°	659.5
25°	522.1
27.5°	469.2
30°	429.1
32.5°	401.6
35°	386.8
37.5°	374.1
40°	365.7
42.5°	350.9
45°	329.7
47.5°	304.4
50°	276.9
52.5°	247.3
55°	219.8
57.5°	194.5
60°	173.3
62.5°	152.2
65°	135.3
67.5°	118.4
70°	103.6
72.5°	90.9
75°	80.3
77.5°	71.9
80°	63.4
82.5°	55.0
85°	48.6
87.5°	42.3
90°	35.9
92.5°	33.8
95°	29.6
97.5°	23.3
100°	16.9
102.5°	12.7
105°	8.5
107.5°	4.2
110°	2.1

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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)