

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: P702658

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9030-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702658
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-35-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

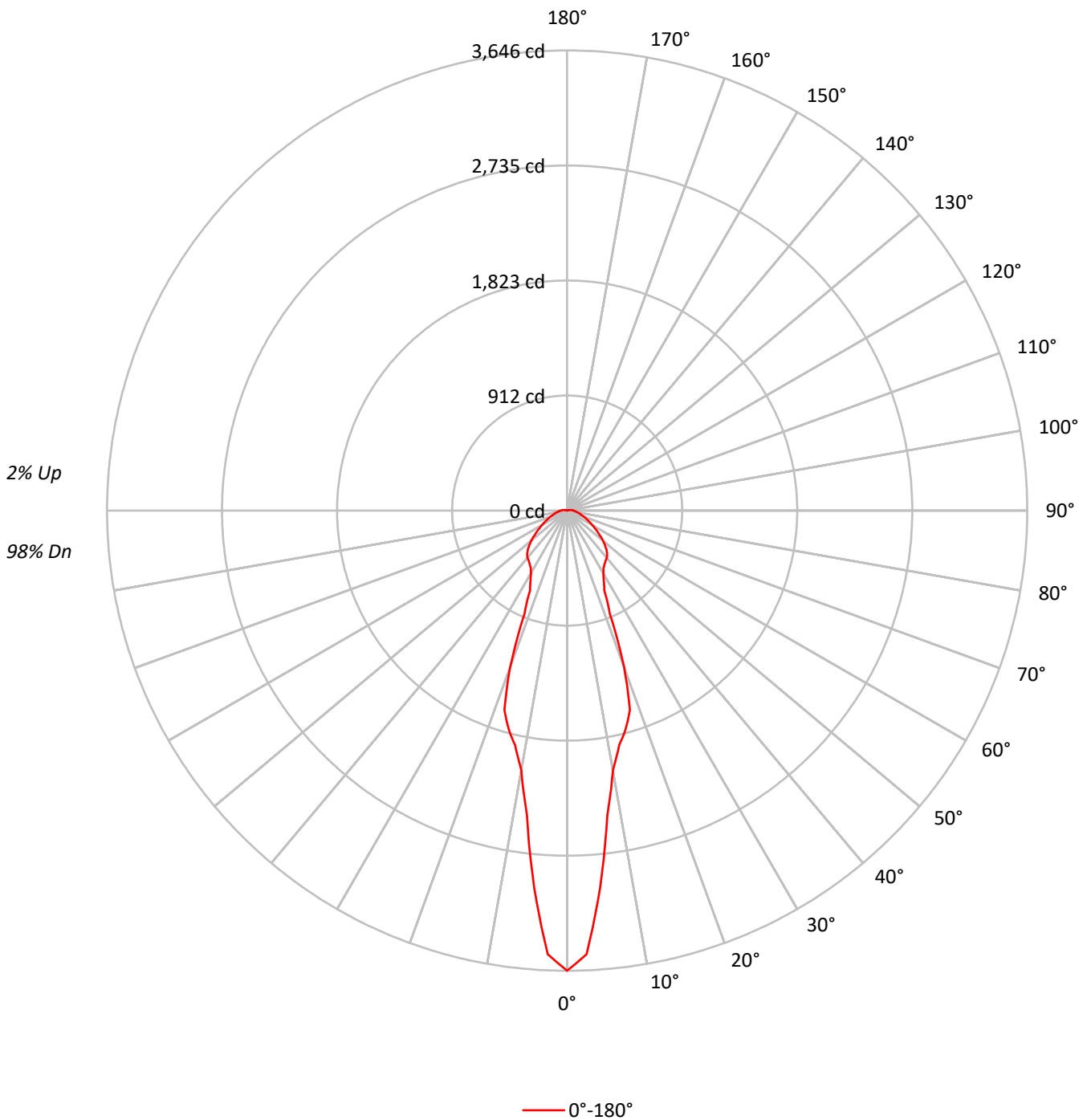
Lumens per Lamp: N/A
Luminaire Lumens: 2450.3 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 40.4
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°	237848
5°	175490
10°	111595
15°	88698
20°	61161
25°	30751
30°	24209
35°	21099
40°	19446
45°	17237
50°	14337
55°	11361
60°	9009
65°	7130
70°	5577
75°	4456
80°	3656
85°	2941

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17237 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.3	10.4
10°-20°	490.2	20.0
20°-30°	356.0	14.5
30°-40°	326.6	13.3
40°-50°	336.9	13.7
50°-60°	264.7	10.8
60°-70°	180.0	7.3
70°-80°	115.3	4.7
80°-90°	71.3	2.9
90°-100°	41.3	1.7
100°-110°	12.4	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°	1101.5	45.0
0°-40°	1428.1	58.3
0°-60°	2029.7	82.8
0°-90°	2396.2	97.8
90°-120°	54.1	2.2
90°-150°	54.1	2.2
90°-180°	54.0	2.2
0°-180°	2450.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3646	
5°	2998	255
15°	1792	490
25°	698	356
35°	517	327
45°	441	337
55°	294	265
65°	181	180
75°	107	115
85°	65	57
90°	48	27
95°	40	29
105°	11	12
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°	3645.7
2.5°	3518.5
5°	2998.5
7.5°	2436.1
10°	2088.5
12.5°	1904.8
15°	1791.8
17.5°	1653.3
20°	1317.0
22.5°	881.8
25°	698.1
27.5°	627.4
30°	573.7
32.5°	537.0
35°	517.2
37.5°	500.2
40°	488.9
42.5°	469.1
45°	440.9
47.5°	407.0
50°	370.2
52.5°	330.7
55°	293.9
57.5°	260.0
60°	231.7
62.5°	203.5
65°	180.9
67.5°	158.3
70°	138.5
72.5°	121.5
75°	107.4
77.5°	96.1
80°	84.8
82.5°	73.5
85°	65.0
87.5°	56.5
90°	48.0
92.5°	45.2
95°	39.6
97.5°	31.1
100°	22.6
102.5°	17.0
105°	11.3
107.5°	5.7
110°	2.8

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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)