

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: P702588

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9024-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702588
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-3040-9024-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

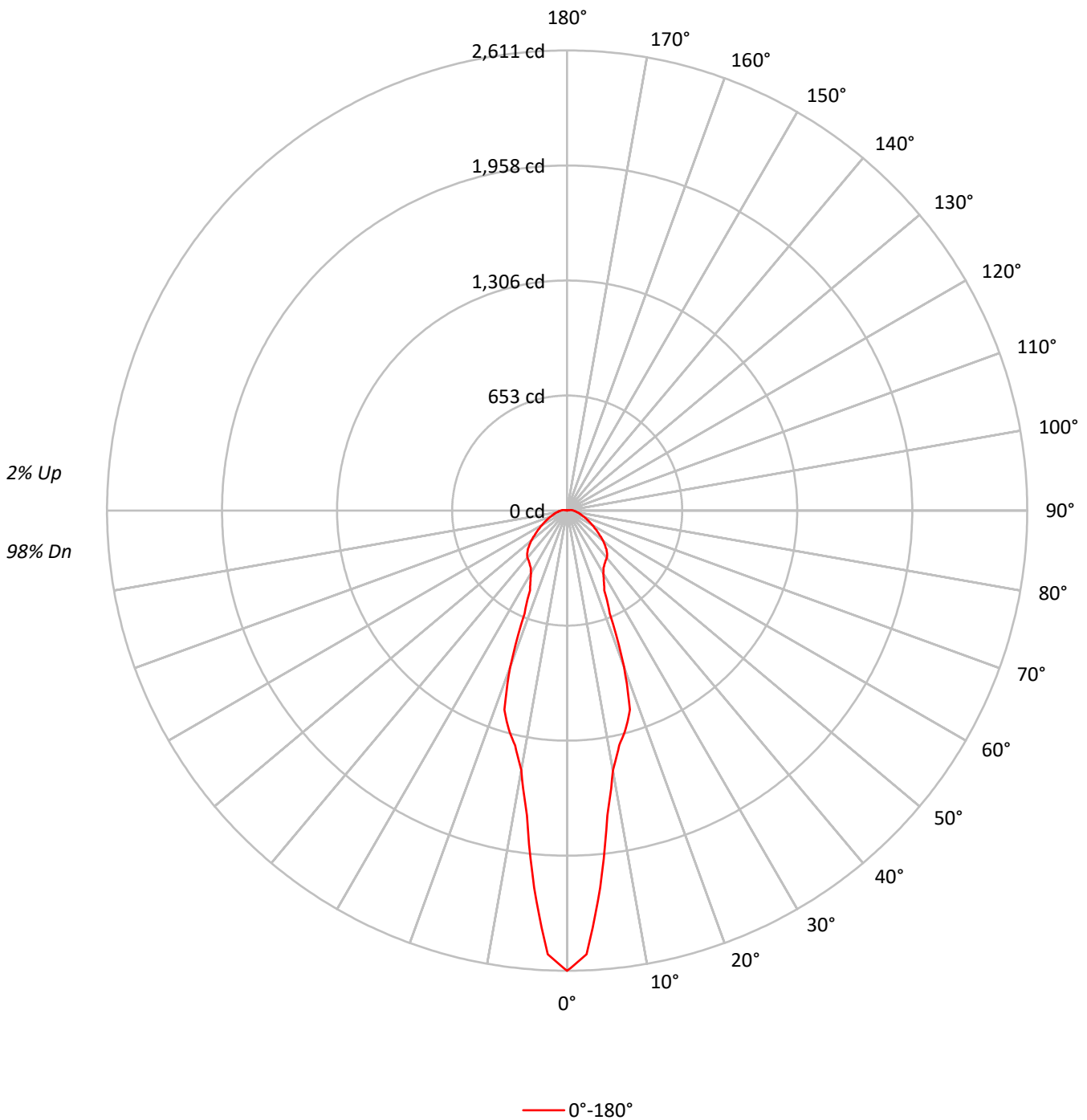
Lumens per Lamp: N/A
Luminaire Lumens: 1755.0 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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°	170363
5°	125696
10°	79931
15°	63531
20°	43806
25°	22025
30°	17339
35°	15110
40°	13929
45°	12346
50°	10270
55°	8137
60°	6455
65°	5108
70°	3995
75°	3190
80°	2617
85°	2108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12346 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	10.4
10°-20°	351.1	20.0
20°-30°	255.0	14.5
30°-40°	233.9	13.3
40°-50°	241.3	13.7
50°-60°	189.6	10.8
60°-70°	128.9	7.3
70°-80°	82.5	4.7
80°-90°	51.0	2.9
90°-100°	29.6	1.7
100°-110°	8.9	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°	789.0	45.0
0°-40°	1022.9	58.3
0°-60°	1453.7	82.8
0°-90°	1716.3	97.8
90°-120°	38.7	2.2
90°-150°	38.7	2.2
90°-180°	39.0	2.2
0°-180°	1755.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2611	
5°	2148	183
15°	1283	351
25°	500	255
35°	370	234
45°	316	241
55°	210	190
65°	130	129
75°	77	83
85°	47	41
90°	34	19
95°	28	20
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°	2611.3
2.5°	2520.2
5°	2147.7
7.5°	1744.9
10°	1495.9
12.5°	1364.3
15°	1283.4
17.5°	1184.2
20°	943.3
22.5°	631.6
25°	500.0
27.5°	449.4
30°	410.9
32.5°	384.6
35°	370.4
37.5°	358.3
40°	350.2
42.5°	336.0
45°	315.8
47.5°	291.5
50°	265.2
52.5°	236.8
55°	210.5
57.5°	186.2
60°	166.0
62.5°	145.7
65°	129.6
67.5°	113.4
70°	99.2
72.5°	87.0
75°	76.9
77.5°	68.8
80°	60.7
82.5°	52.6
85°	46.6
87.5°	40.5
90°	34.4
92.5°	32.4
95°	28.3
97.5°	22.3
100°	16.2
102.5°	12.1
105°	8.1
107.5°	4.0
110°	2.0

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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)