

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: P702659

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

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)
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-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

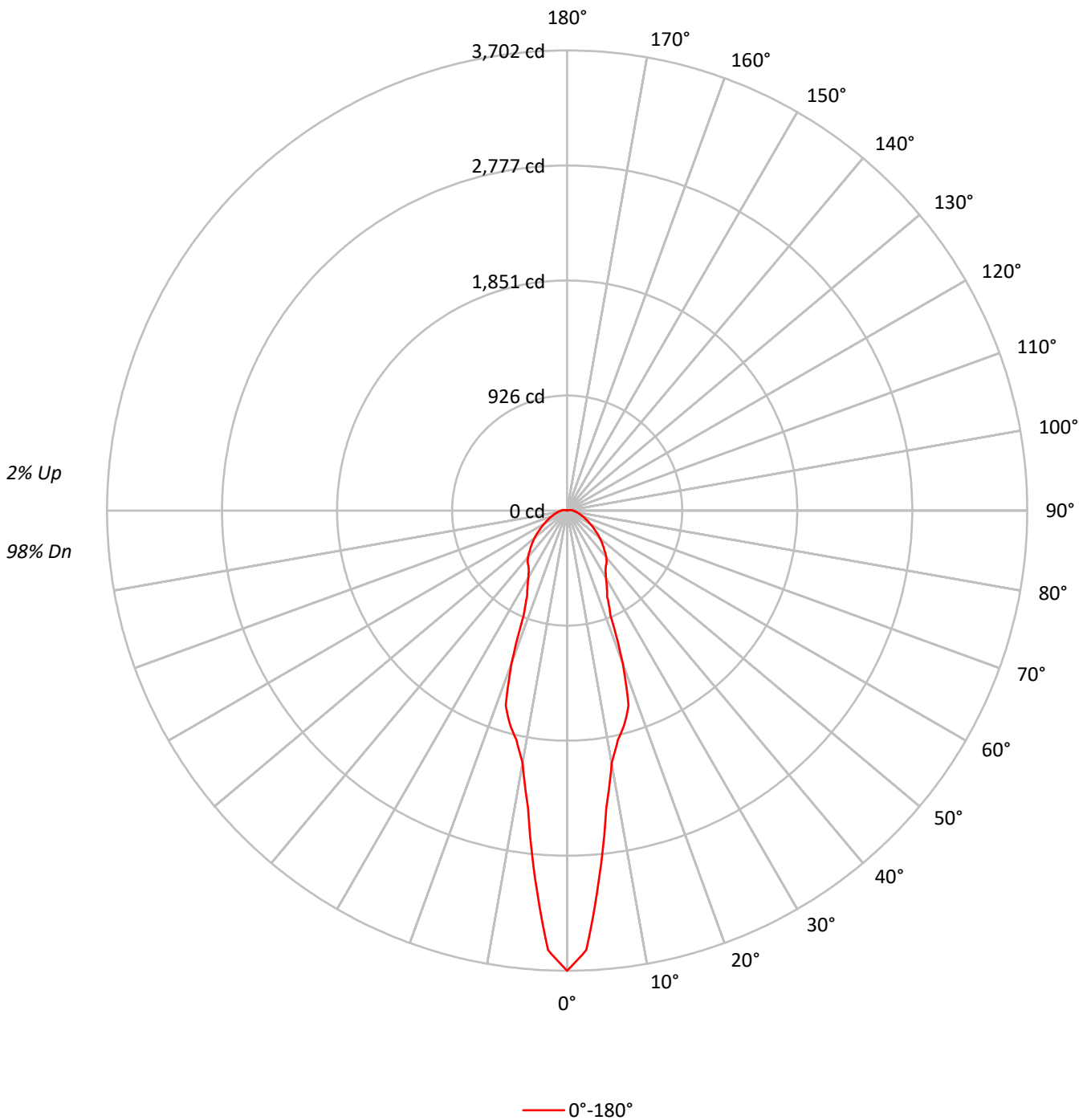
Lumens per Lamp: N/A
Luminaire Lumens: 2420.8 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	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	110	105	102	98	107	103	100	97	98	96	93	94	92	90	90	89	87	85				
2	102	95	89	84	99	93	87	83	89	84	81	85	82	78	82	79	76	74				
3	95	86	79	73	92	84	78	72	81	75	71	78	73	70	75	71	68	66				
4	88	78	71	65	86	77	70	64	74	68	63	72	67	62	69	65	61	59				
5	83	72	64	58	81	71	63	58	68	62	57	66	61	57	64	60	56	54				
6	78	66	59	53	76	65	58	53	63	57	52	62	56	52	60	55	51	49				
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46				
8	69	58	50	45	68	57	50	45	55	49	45	54	48	44	53	48	44	42				
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	50	45	41	40				
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	241534
5°	173506
10°	110088
15°	88139
20°	60636
25°	33614
30°	26357
35°	22135
40°	19446
45°	16130
50°	13244
55°	10488
60°	8352
65°	6570
70°	5235
75°	4219
80°	3411
85°	2814

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16130 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.4	10.5
10°-20°	486.2	20.1
20°-30°	377.4	15.6
30°-40°	343.4	14.2
40°-50°	318.6	13.2
50°-60°	245.2	10.1
60°-70°	167.8	6.9
70°-80°	108.9	4.5
80°-90°	67.8	2.8
90°-100°	39.3	1.6
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°	1117.0	46.1
0°-40°	1460.4	60.3
0°-60°	2024.1	83.6
0°-90°	2368.6	97.8
90°-120°	52.1	2.2
90°-150°	52.1	2.2
90°-180°	52.0	2.1
0°-180°	2420.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3702	
5°	2965	253
15°	1780	486
25°	763	377
35°	543	343
45°	413	319
55°	271	245
65°	167	168
75°	102	109
85°	62	54
90°	45	26
95°	37	27
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°	3702.2
2.5°	3538.3
5°	2964.6
7.5°	2410.7
10°	2060.3
12.5°	1887.9
15°	1780.5
17.5°	1642.0
20°	1305.7
22.5°	912.8
25°	763.1
27.5°	689.6
30°	624.6
32.5°	573.7
35°	542.6
37.5°	522.8
40°	488.9
42.5°	449.4
45°	412.6
47.5°	375.9
50°	342.0
52.5°	305.2
55°	271.3
57.5°	243.0
60°	214.8
62.5°	189.4
65°	166.7
67.5°	149.8
70°	130.0
72.5°	115.9
75°	101.7
77.5°	90.4
80°	79.1
82.5°	70.7
85°	62.2
87.5°	53.7
90°	45.2
92.5°	42.4
95°	36.7
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)