

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: P702267

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9030-4LBW1LI-CQ

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702267
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-05-D010 / 340-EU4C-1020-9030-4LBW1LI-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

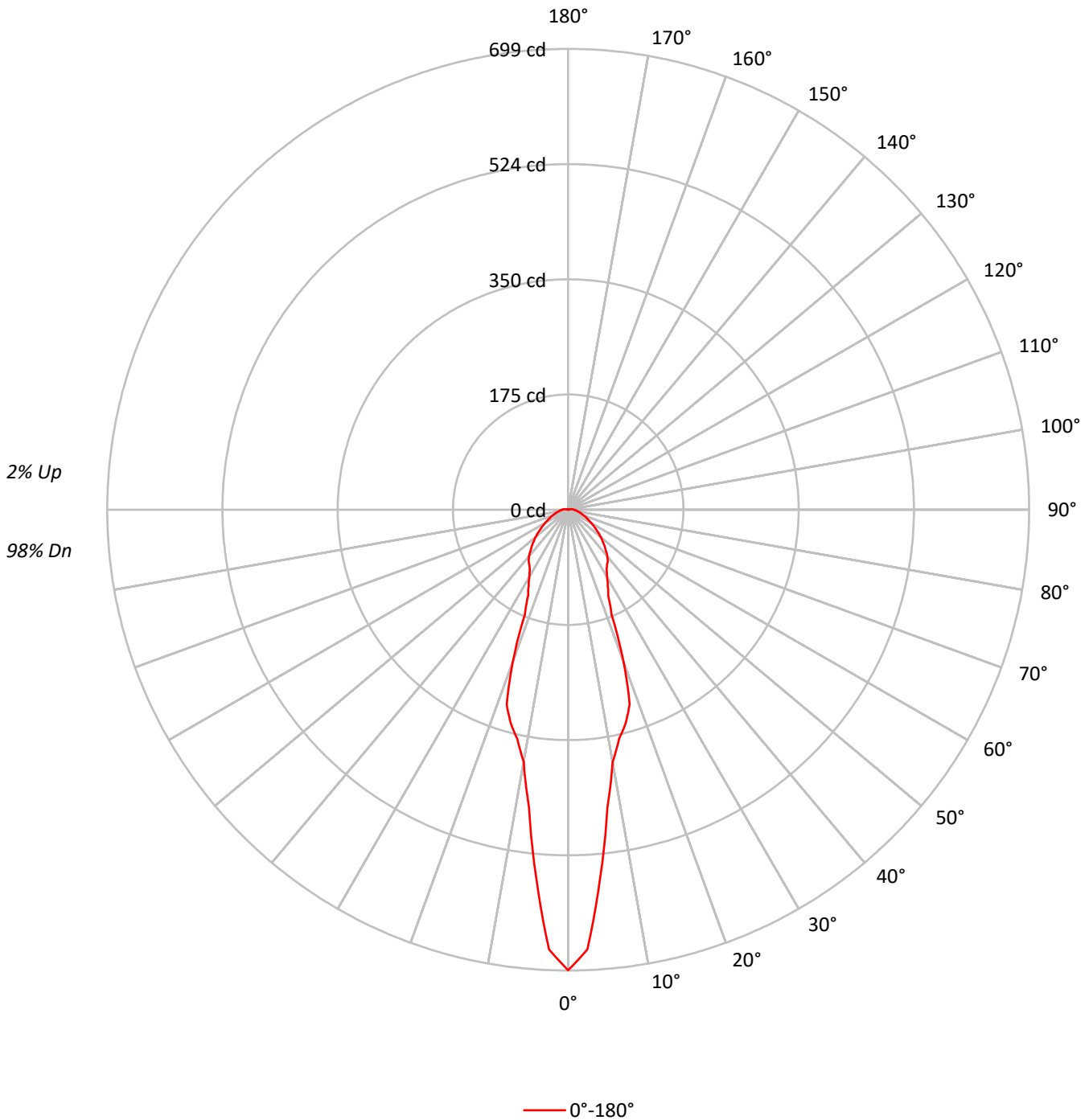
Lumens per Lamp: N/A
Luminaire Lumens: 456.8 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 7.2
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	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°	45577
5°	32739
10°	20769
15°	16633
20°	11443
25°	6343
30°	4975
35°	4177
40°	3671
45°	3045
50°	2498
55°	1979
60°	1575
65°	1242
70°	987
75°	797
80°	642
85°	529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3045 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	10.5
10°-20°	91.7	20.1
20°-30°	71.2	15.6
30°-40°	64.8	14.2
40°-50°	60.1	13.2
50°-60°	46.3	10.1
60°-70°	31.7	6.9
70°-80°	20.6	4.5
80°-90°	12.8	2.8
90°-100°	7.4	1.6
100°-110°	2.3	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°	210.8	46.1
0°-40°	275.6	60.3
0°-60°	382.0	83.6
0°-90°	447.0	97.8
90°-120°	9.8	2.2
90°-150°	9.8	2.2
90°-180°	10.0	2.2
0°-180°	456.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	699	
5°	559	48
15°	336	92
25°	144	71
35°	102	65
45°	78	60
55°	51	46
65°	32	32
75°	19	21
85°	12	10
90°	8	5
95°	7	5
105°	2	2
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	698.6
2.5°	667.6
5°	559.4
7.5°	454.9
10°	388.7
12.5°	356.2
15°	336.0
17.5°	309.8
20°	246.4
22.5°	172.2
25°	144.0
27.5°	130.1
30°	117.9
32.5°	108.3
35°	102.4
37.5°	98.7
40°	92.3
42.5°	84.8
45°	77.9
47.5°	70.9
50°	64.5
52.5°	57.6
55°	51.2
57.5°	45.9
60°	40.5
62.5°	35.7
65°	31.5
67.5°	28.3
70°	24.5
72.5°	21.9
75°	19.2
77.5°	17.1
80°	14.9
82.5°	13.3
85°	11.7
87.5°	10.1
90°	8.5
92.5°	8.0
95°	6.9
97.5°	5.9
100°	4.3
102.5°	3.2
105°	2.1
107.5°	1.1
110°	0.5

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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)