

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: P702673

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9040-4LBW1LI-CQ

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702673
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-3040-9040-4LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

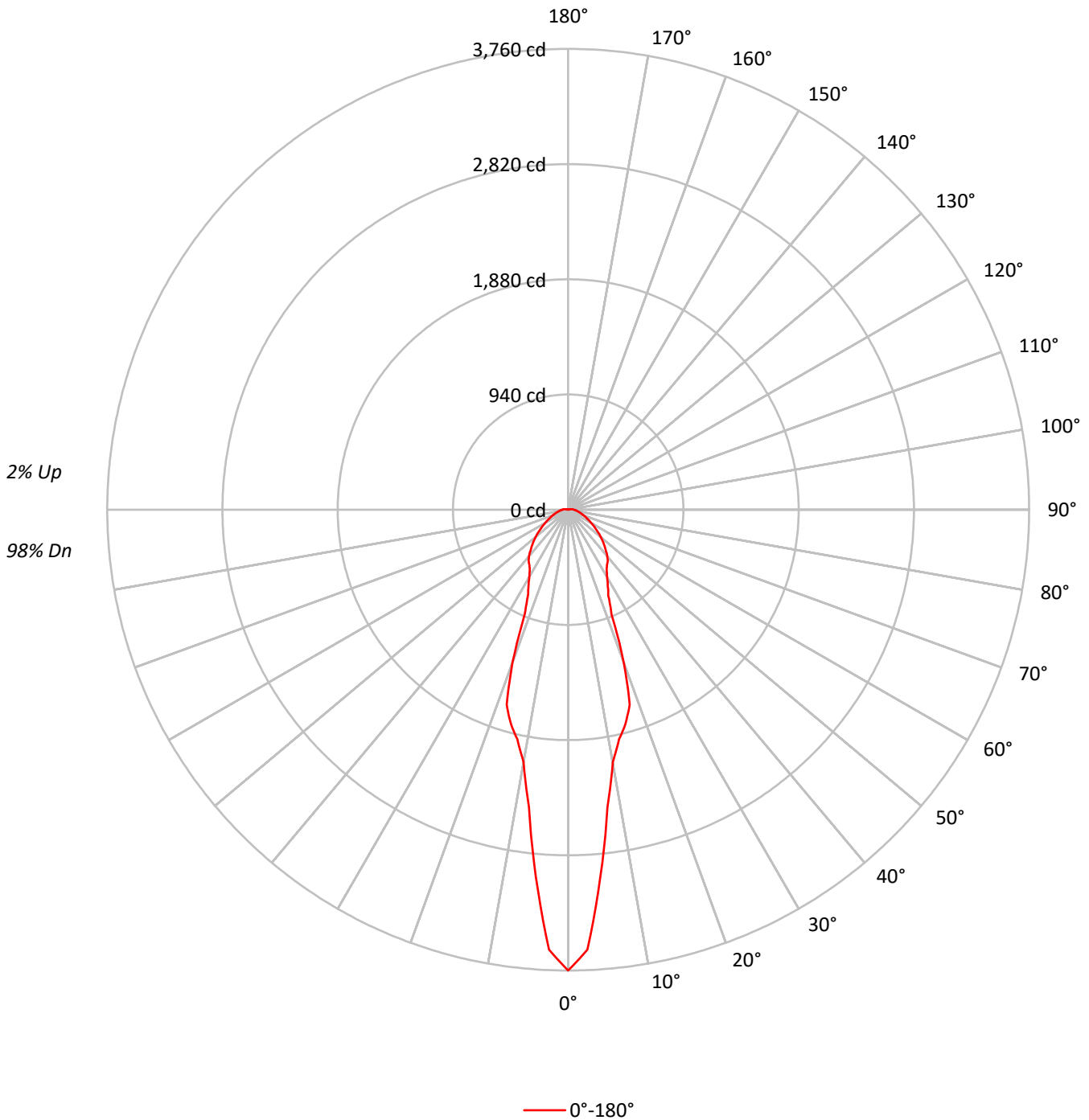
Lumens per Lamp: N/A
Luminaire Lumens: 2458.3 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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

TEST NUMBER: P702673

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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°	245285
5°	176198
10°	111793
15°	89505
20°	61574
25°	34134
30°	26766
35°	22478
40°	19748
45°	16380
50°	13450
55°	10650
60°	8481
65°	6673
70°	5316
75°	4286
80°	3467
85°	2855

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16380 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.3	10.5
10°-20°	493.8	20.1
20°-30°	383.3	15.6
30°-40°	348.7	14.2
40°-50°	323.5	13.2
50°-60°	249.0	10.1
60°-70°	170.4	6.9
70°-80°	110.6	4.5
80°-90°	68.8	2.8
90°-100°	39.9	1.6
100°-110°	12.6	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°	1134.4	46.1
0°-40°	1483.1	60.3
0°-60°	2055.5	83.6
0°-90°	2405.3	97.8
90°-120°	52.9	2.2
90°-150°	52.9	2.2
90°-180°	53.0	2.2
0°-180°	2458.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3760	
5°	3011	257
15°	1808	494
25°	775	383
35°	551	349
45°	419	323
55°	276	249
65°	169	170
75°	103	111
85°	63	55
90°	46	26
95°	37	28
105°	12	13
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°	3759.7
2.5°	3593.2
5°	3010.6
7.5°	2448.1
10°	2092.2
12.5°	1917.1
15°	1808.1
17.5°	1667.5
20°	1325.9
22.5°	927.0
25°	774.9
27.5°	700.3
30°	634.3
32.5°	582.6
35°	551.0
37.5°	530.9
40°	496.5
42.5°	456.3
45°	419.0
47.5°	381.7
50°	347.3
52.5°	310.0
55°	275.5
57.5°	246.8
60°	218.1
62.5°	192.3
65°	169.3
67.5°	152.1
70°	132.0
72.5°	117.7
75°	103.3
77.5°	91.8
80°	80.4
82.5°	71.7
85°	63.1
87.5°	54.5
90°	45.9
92.5°	43.0
95°	37.3
97.5°	31.6
100°	23.0
102.5°	17.2
105°	11.5
107.5°	5.7
110°	2.9

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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)