

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: P702708

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9027-4LBW1LI-CQ

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702708
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-40-D010 / 340-EU4C-3040-9027-4LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

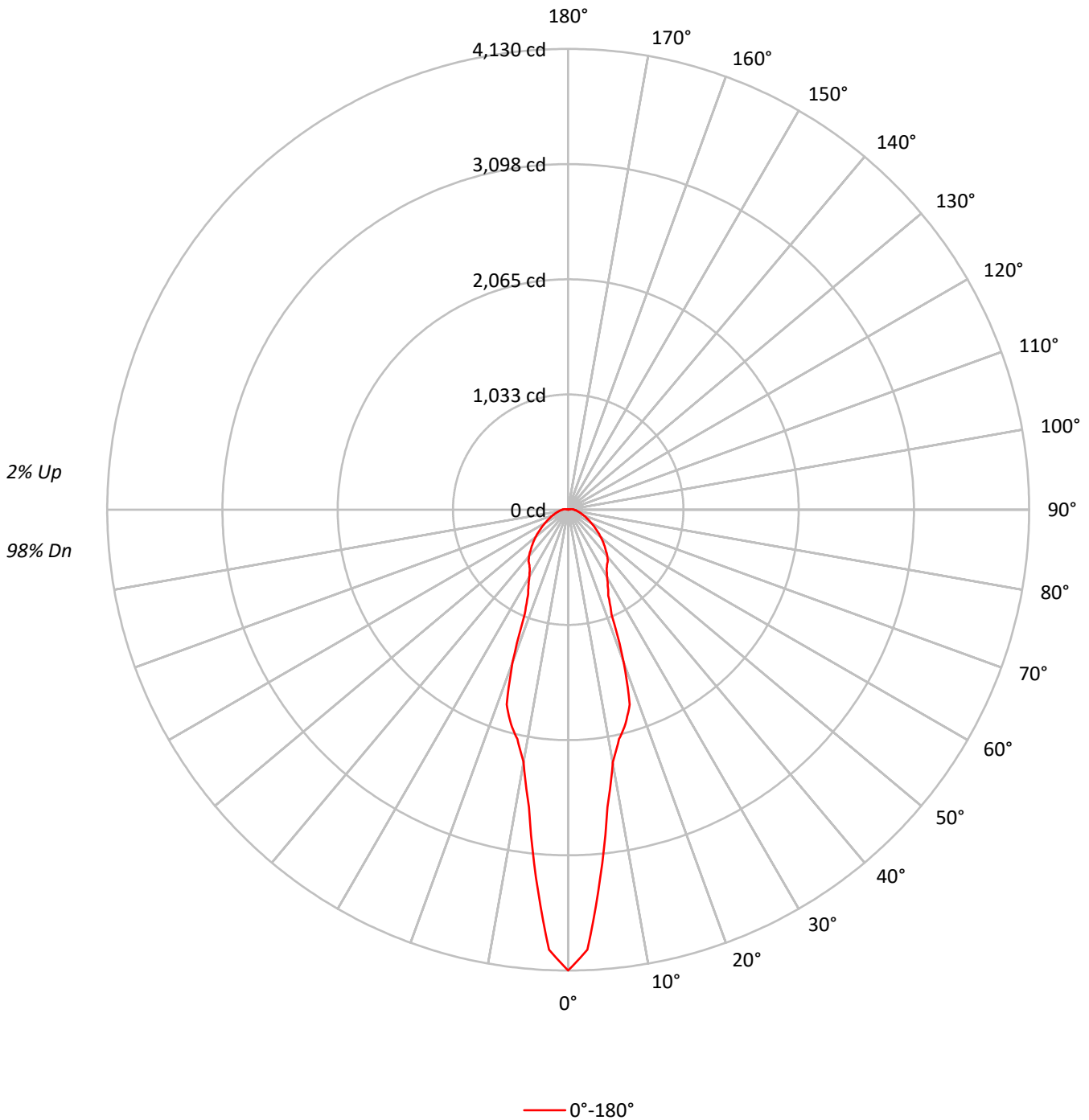
Lumens per Lamp: N/A
Luminaire Lumens: 2700.2 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 47
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°	269411
5°	193528
10°	122789
15°	98306
20°	67634
25°	37490
30°	29400
35°	24689
40°	21689
45°	17991
50°	14770
55°	11698
60°	9317
65°	7331
70°	5839
75°	4709
80°	3807
85°	3140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17991 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.6	10.5
10°-20°	542.3	20.1
20°-30°	421.0	15.6
30°-40°	383.0	14.2
40°-50°	355.3	13.2
50°-60°	273.5	10.1
60°-70°	187.2	6.9
70°-80°	121.5	4.5
80°-90°	75.6	2.8
90°-100°	43.9	1.6
100°-110°	13.8	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°	1246.0	46.1
0°-40°	1628.9	60.3
0°-60°	2257.7	83.6
0°-90°	2642.0	97.8
90°-120°	58.1	2.2
90°-150°	58.1	2.2
90°-180°	58.0	2.1
0°-180°	2700.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4130	
5°	3307	283
15°	1986	542
25°	851	421
35°	605	383
45°	460	355
55°	303	273
65°	186	187
75°	114	122
85°	69	61
90°	50	29
95°	41	31
105°	13	14
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°	4129.5
2.5°	3946.6
5°	3306.7
7.5°	2688.9
10°	2298.0
12.5°	2105.7
15°	1985.9
17.5°	1831.5
20°	1456.4
22.5°	1018.2
25°	851.1
27.5°	769.2
30°	696.7
32.5°	639.9
35°	605.2
37.5°	583.2
40°	545.3
42.5°	501.2
45°	460.2
47.5°	419.3
50°	381.4
52.5°	340.4
55°	302.6
57.5°	271.1
60°	239.6
62.5°	211.2
65°	186.0
67.5°	167.1
70°	145.0
72.5°	129.2
75°	113.5
77.5°	100.9
80°	88.3
82.5°	78.8
85°	69.4
87.5°	59.9
90°	50.4
92.5°	47.3
95°	41.0
97.5°	34.7
100°	25.2
102.5°	18.9
105°	12.6
107.5°	6.3
110°	3.2

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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)