

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: P702666

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9035-4LBW1LI-CQ

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702666
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-3040-9035-4LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

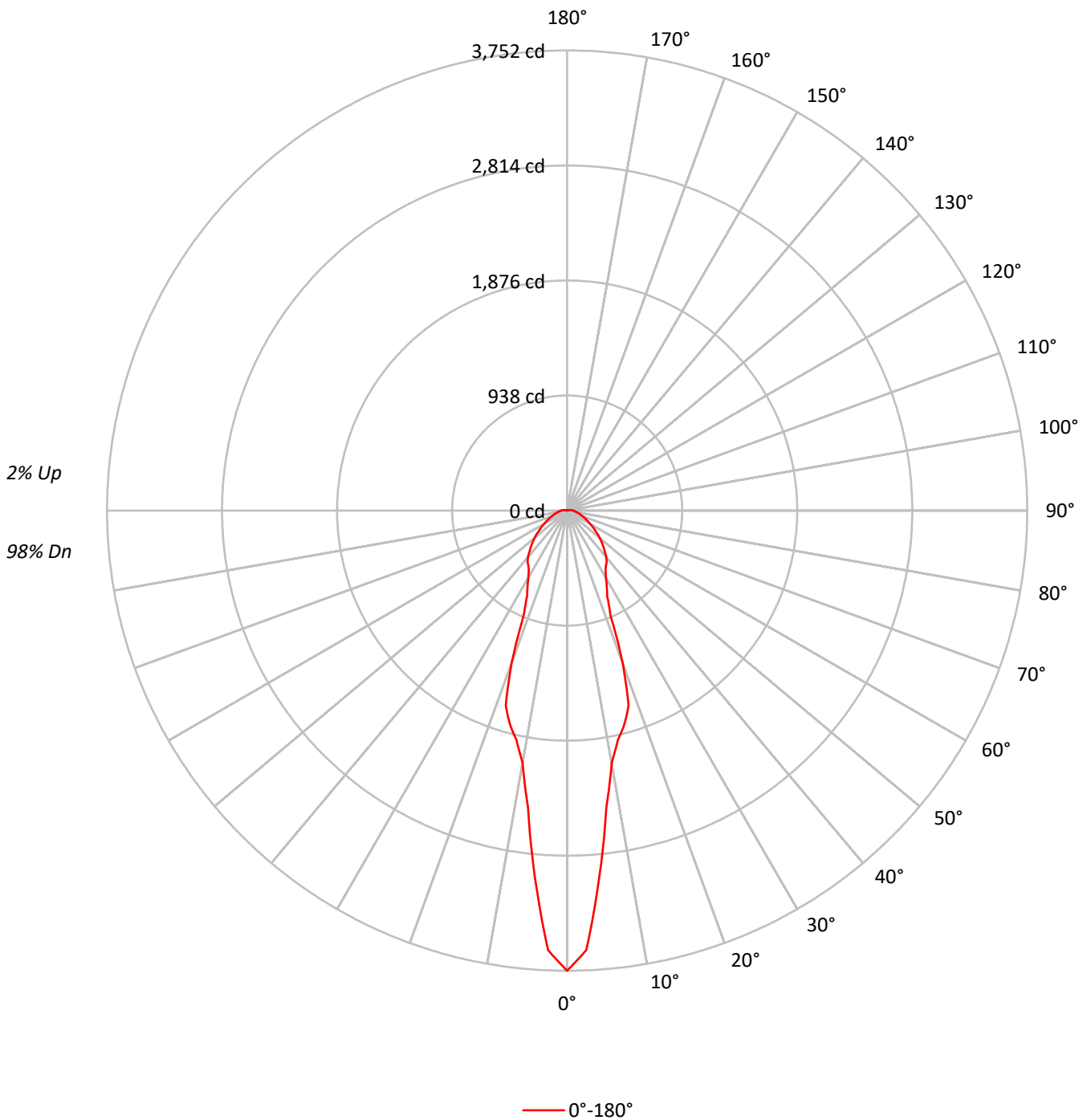
Lumens per Lamp: N/A
Luminaire Lumens: 2453.4 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	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°	244796
5°	175847
10°	111568
15°	89327
20°	61453
25°	34068
30°	26711
35°	22433
40°	19708
45°	16349
50°	13423
55°	10631
60°	8465
65°	6661
70°	5308
75°	4277
80°	3458
85°	2850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16349 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.8	10.5
10°-20°	492.8	20.1
20°-30°	382.5	15.6
30°-40°	348.0	14.2
40°-50°	322.8	13.2
50°-60°	248.5	10.1
60°-70°	170.1	6.9
70°-80°	110.4	4.5
80°-90°	68.7	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°	1132.1	46.1
0°-40°	1480.1	60.3
0°-60°	2051.4	83.6
0°-90°	2400.6	97.8
90°-120°	52.8	2.2
90°-150°	52.8	2.2
90°-180°	53.0	2.2
0°-180°	2453.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3752	
5°	3005	257
15°	1804	493
25°	773	383
35°	550	348
45°	418	323
55°	275	248
65°	169	170
75°	103	110
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	0

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3752.2
2.5°	3586.1
5°	3004.6
7.5°	2443.2
10°	2088.0
12.5°	1913.3
15°	1804.5
17.5°	1664.1
20°	1323.3
22.5°	925.2
25°	773.4
27.5°	698.9
30°	633.0
32.5°	581.4
35°	549.9
37.5°	529.9
40°	495.5
42.5°	455.4
45°	418.2
47.5°	380.9
50°	346.6
52.5°	309.3
55°	275.0
57.5°	246.3
60°	217.7
62.5°	191.9
65°	169.0
67.5°	151.8
70°	131.8
72.5°	117.4
75°	103.1
77.5°	91.7
80°	80.2
82.5°	71.6
85°	63.0
87.5°	54.4
90°	45.8
92.5°	43.0
95°	37.2
97.5°	31.5
100°	22.9
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)