

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: P702713

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9030-4LBW1LI-CC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-11)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-40-D010 / 340-EU4C-3040-9030-4LBW1LI-CC
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

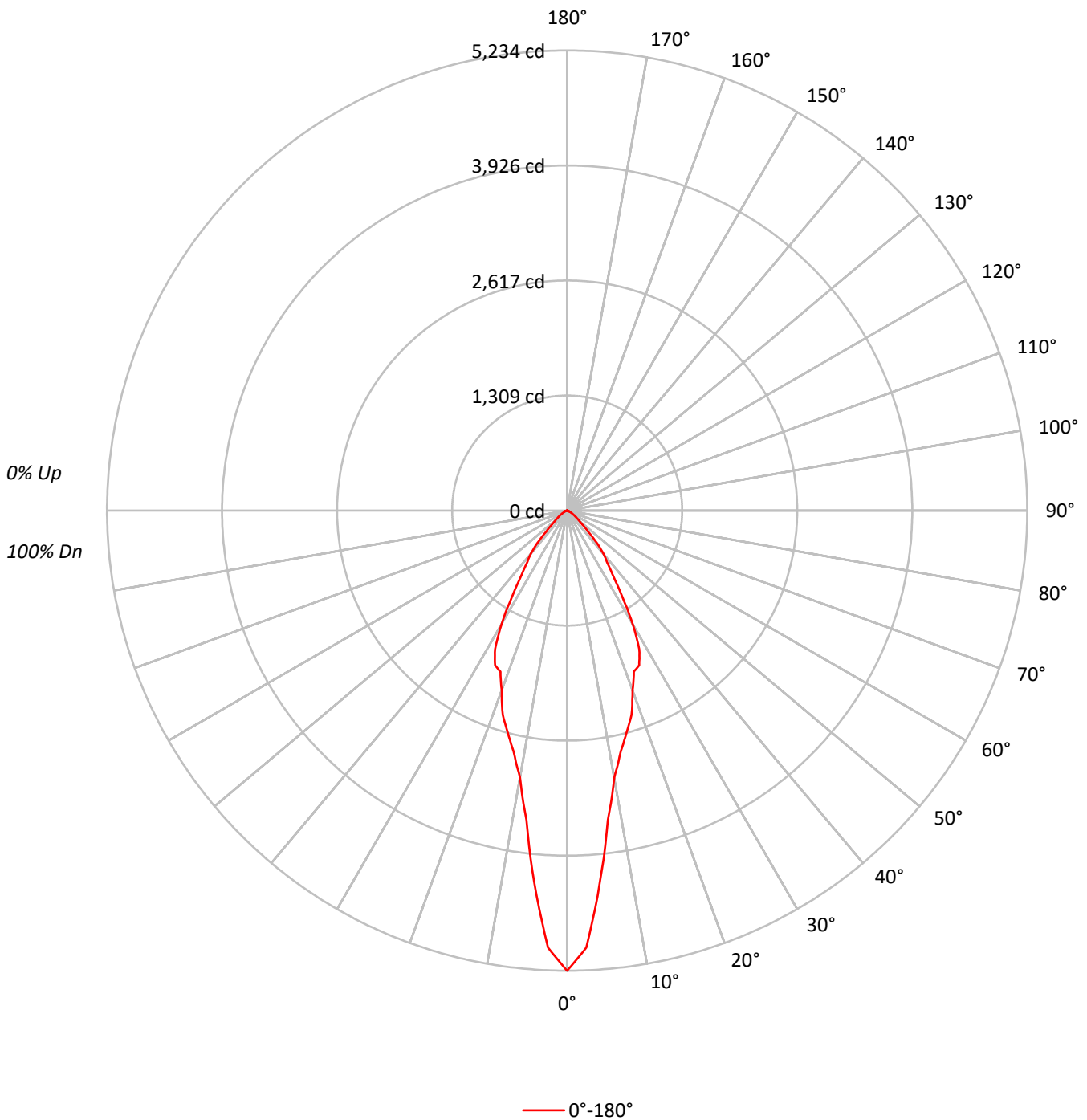
Lumens per Lamp: N/A
Luminaire Lumens: 3006.7 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.71
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

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	111	111	111		106	106	106		102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76		83	79	75		81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	71	66	85	76	70	66	74	69	65		73	68	65		72	68	64	63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	61		68	63	60	59
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64	60	56	55
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61	56	53	52
10	70	60	54	50	69	60	54	50	59	54	50		58	53	50		58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	341502
5°	278836
10°	204326
15°	176440
20°	151102
25°	139680
30°	112593
35°	73097
40°	55272
45°	30844
50°	17965
55°	11932
60°	8129
65°	5063
70°	4368
75°	3302
80°	2480
85°	2470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30844 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.1	12.2
10°-20°	731.0	24.3
20°-30°	864.2	28.7
30°-40°	604.7	20.1
40°-50°	282.2	9.4
50°-60°	97.9	3.3
60°-70°	37.2	1.2
70°-80°	15.1	0.5
80°-90°	3.6	0.1
90°-100°	2.2	0.1
100°-110°	1.3	0.0
110°-120°	0.0	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°	1963.3	65.3
0°-40°	2568.1	85.4
0°-60°	2948.2	98.1
0°-90°	3004.1	99.9
90°-120°	3.6	0.1
90°-150°	3.6	0.1
90°-180°	4.0	0.1
0°-180°	3006.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5234	
5°	4258	368
15°	2612	731
25°	1940	864
35°	918	605
45°	334	282
55°	105	98
65°	33	37
75°	13	15
85°	3	3
90°	0	0
95°	0	1
105°	0	1
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°	5234.5
2.5°	4975.6
5°	4257.7
7.5°	3549.8
10°	3084.3
12.5°	2809.0
15°	2612.3
17.5°	2435.3
20°	2176.4
22.5°	1983.0
25°	1940.4
27.5°	1776.5
30°	1494.6
32.5°	1176.7
35°	917.8
37.5°	750.6
40°	649.0
42.5°	504.8
45°	334.3
47.5°	232.7
50°	177.0
52.5°	134.4
55°	104.9
57.5°	81.9
60°	62.3
62.5°	45.9
65°	32.8
67.5°	29.5
70°	22.9
72.5°	19.7
75°	13.1
77.5°	9.8
80°	6.6
82.5°	3.3
85°	3.3
87.5°	3.3
90°	0.0
92.5°	0.0
95°	0.0
97.5°	3.3
100°	3.3
102.5°	3.3
105°	0.0
107.5°	0.0
110°	0.0

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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)