

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: P702727

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9040-4LBW1LI-CC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702727
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-3040-9040-4LBW1LI-CC
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

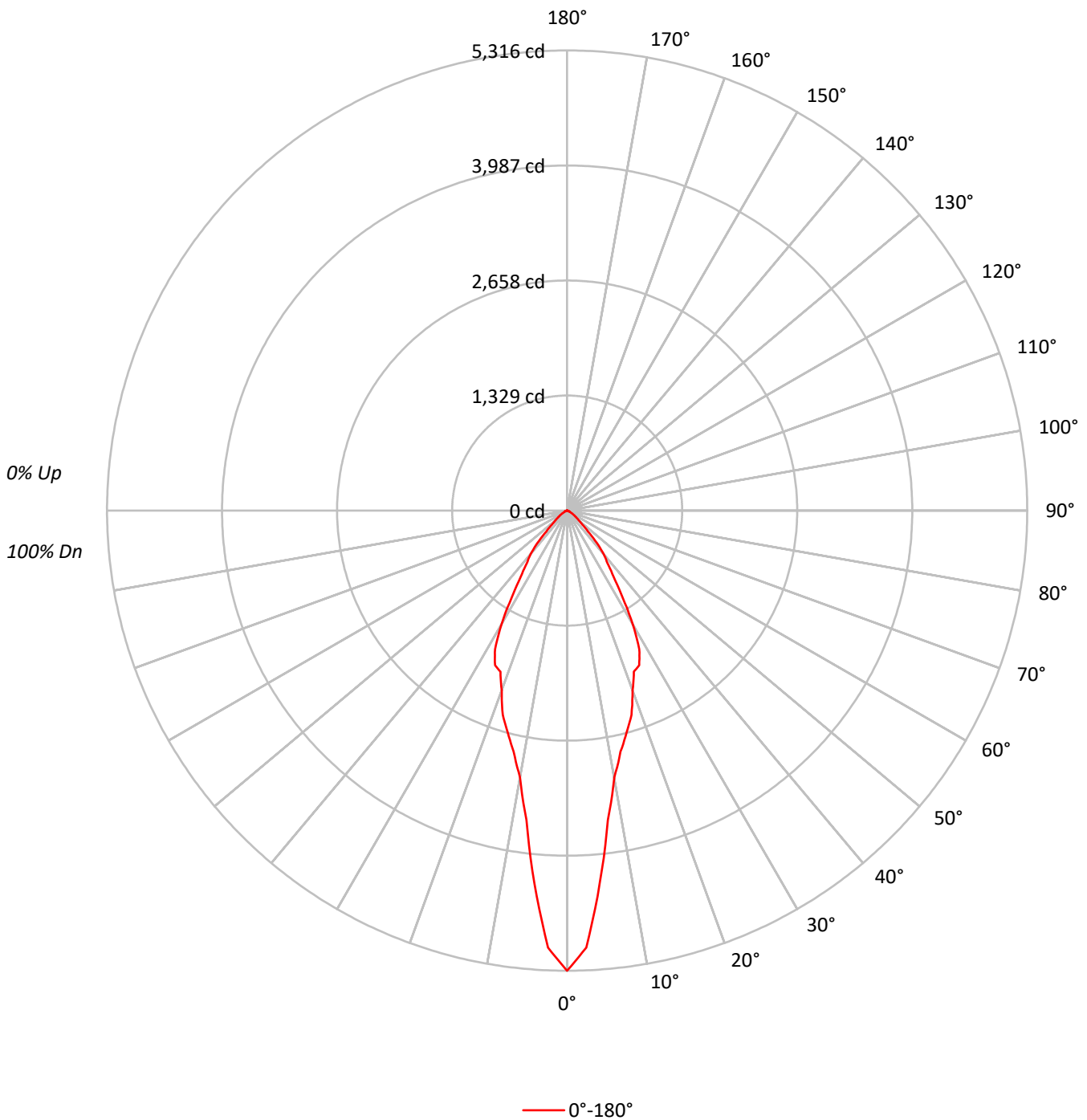
Lumens per Lamp: N/A
Luminaire Lumens: 3053.4 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.71
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

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°	346813
5°	283178
10°	207506
15°	179189
20°	153449
25°	141854
30°	114349
35°	74228
40°	56133
45°	31324
50°	18239
55°	12114
60°	8246
65°	5141
70°	4444
75°	3353
80°	2517
85°	2470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31324 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.9	12.2
10°-20°	742.4	24.3
20°-30°	877.6	28.7
30°-40°	614.1	20.1
40°-50°	286.5	9.4
50°-60°	99.4	3.3
60°-70°	37.8	1.2
70°-80°	15.3	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°	1993.9	65.3
0°-40°	2608.0	85.4
0°-60°	2994.0	98.1
0°-90°	3050.7	99.9
90°-120°	3.6	0.1
90°-150°	3.6	0.1
90°-180°	4.0	0.1
0°-180°	3053.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5316	
5°	4324	374
15°	2653	742
25°	1971	878
35°	932	614
45°	340	287
55°	106	99
65°	33	38
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°	5315.9
2.5°	5052.9
5°	4324.0
7.5°	3605.0
10°	3132.3
12.5°	2852.7
15°	2653.0
17.5°	2473.2
20°	2210.2
22.5°	2013.9
25°	1970.6
27.5°	1804.1
30°	1517.9
32.5°	1195.0
35°	932.0
37.5°	762.3
40°	659.1
42.5°	512.6
45°	339.5
47.5°	236.3
50°	179.7
52.5°	136.5
55°	106.5
57.5°	83.2
60°	63.2
62.5°	46.6
65°	33.3
67.5°	30.0
70°	23.3
72.5°	20.0
75°	13.3
77.5°	10.0
80°	6.7
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)