

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: P702752

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-GCC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-16)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-GCC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE, CLEAR OUTSIDE GLA
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

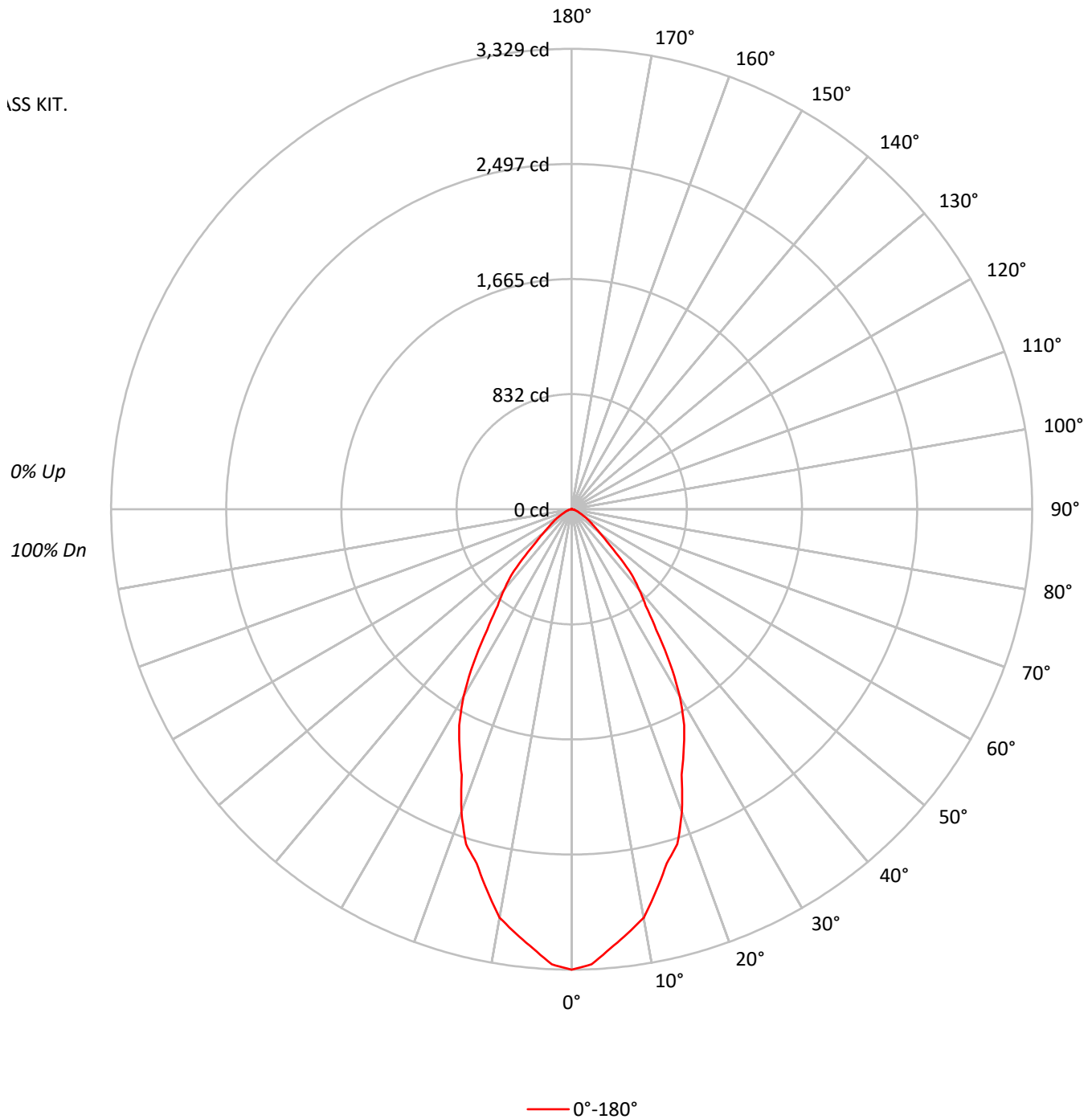
Lumens per Lamp: N/A
Luminaire Lumens: 3254.3 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.89
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P702752

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-GCC

Luminous Intensity Polar Plot



TEST NUMBER: P702752

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-GCC

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	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	101	96	92	104	99	95	91	95	92	89		92	90	87		90	87	85	83
3	100	93	87	83	98	91	86	82	88	84	81		86	82	79		84	81	78	76
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	74	71	70
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69	64	61	59
7	79	69	62	58	78	68	62	57	67	61	57		66	60	57		64	60	56	55
8	75	64	58	53	74	64	58	53	63	57	53		62	56	53		61	56	52	51
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57	52	49	48
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	217206
5°	208808
10°	198629
15°	179054
20°	161759
25°	137995
30°	117754
35°	84821
40°	64743
45°	43539
50°	26937
55°	19382
60°	14105
65°	9617
70°	8126
75°	6604
80°	6162
85°	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 43539 cd/sqm

TEST NUMBER: P702752

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-GCC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.7	9.2
10°-20°	747.7	23.0
20°-30°	881.4	27.1
30°-40°	685.3	21.1
40°-50°	375.9	11.6
50°-60°	156.7	4.8
60°-70°	66.3	2.0
70°-80°	28.5	0.9
80°-90°	8.0	0.2
90°-100°	3.6	0.1
100°-110°	2.2	0.1
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°	1927.8	59.2
0°-40°	2613.1	80.3
0°-60°	3145.7	96.7
0°-90°	3248.5	99.8
90°-120°	5.8	0.2
90°-150°	5.8	0.2
90°-180°	6.0	0.2
0°-180°	3254.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3329	
5°	3188	299
15°	2651	748
25°	1917	881
35°	1065	685
45°	472	376
55°	170	157
65°	62	66
75°	26	29
85°	7	7
90°	3	2
95°	3	3
105°	3	2
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0

TEST NUMBER: P702752

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-GCC

CANDELA DISTRIBUTION (FULL):

0°	
0°	3329.3
2.5°	3293.3
5°	3188.4
7.5°	3093.4
10°	2998.3
12.5°	2824.7
15°	2651.0
17.5°	2539.6
20°	2329.9
22.5°	2077.5
25°	1917.0
27.5°	1759.7
30°	1563.1
32.5°	1323.9
35°	1065.0
37.5°	878.2
40°	760.2
42.5°	645.5
45°	471.9
47.5°	340.8
50°	265.4
52.5°	209.7
55°	170.4
57.5°	137.6
60°	108.1
62.5°	78.6
65°	62.3
67.5°	52.4
70°	42.6
72.5°	32.8
75°	26.2
77.5°	19.7
80°	16.4
82.5°	9.8
85°	6.6
87.5°	3.3
90°	3.3
92.5°	3.3
95°	3.3
97.5°	3.3
100°	3.3
102.5°	3.3
105°	3.3
107.5°	0.0
110°	0.0

TEST NUMBER: P702752

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9730-4LBW1LI-GCC

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)