

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: P702527

Luminaire Tested: 340-6C-20-D010 / 340-EU4C-1020-9730-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-20-D010 / 340-EU4C-1020-9730-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

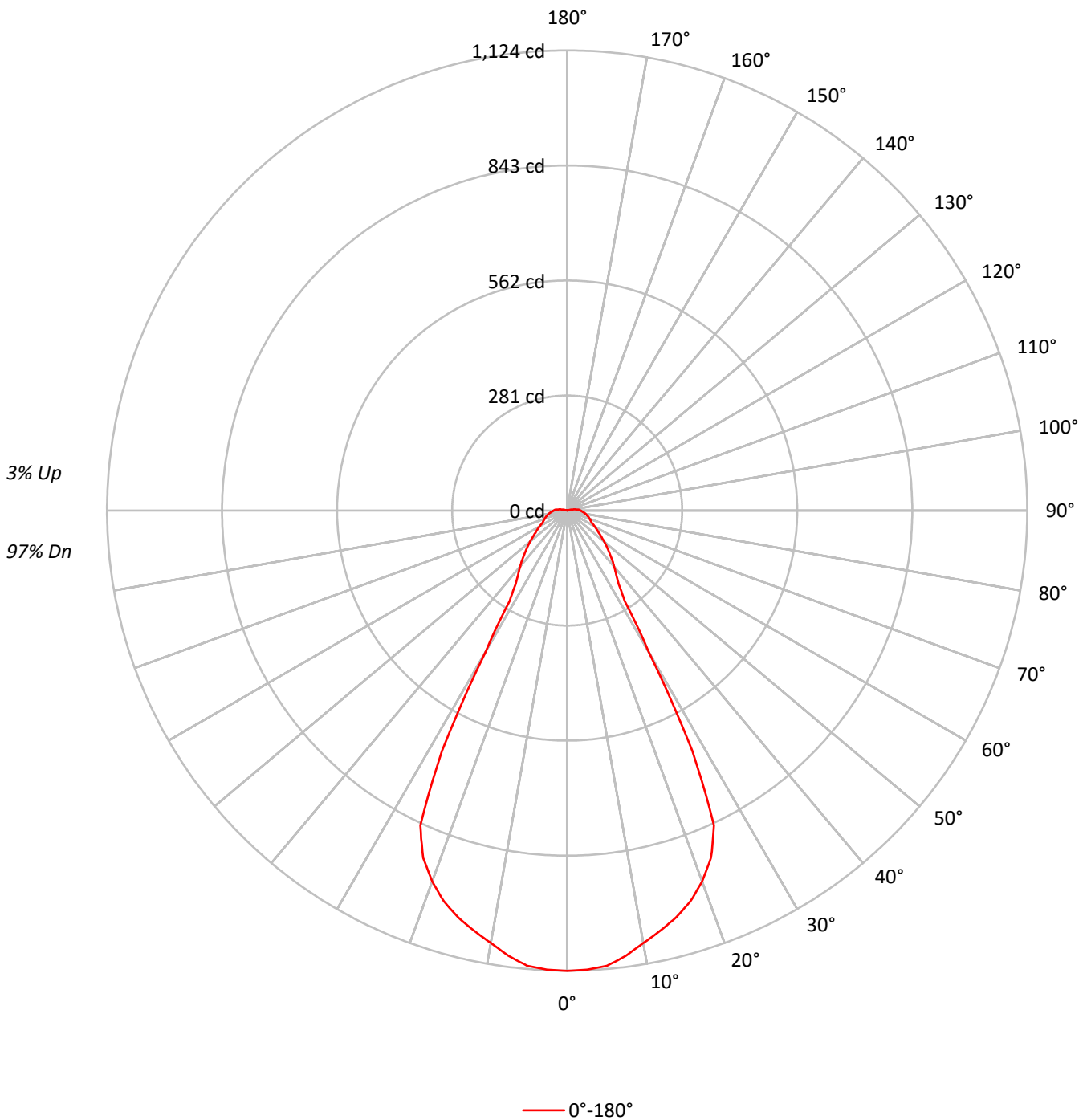
Lumens per Lamp: N/A
Luminaire Lumens: 1294.9 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 21.8
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: P702527

CATALOG NUMBER: 340-6C-20-D010 / 340-EU4C-1020-9730-4LBW1LI-FF

Luminous Intensity Polar Plot



TEST NUMBER: P702527

CATALOG NUMBER: 340-6C-20-D010 / 340-EU4C-1020-9730-4LBW1LI-FF

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	118	118	118	118	115	115	115	115	110	110	110		104	104	104		99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93		94	92	90		90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82		86	83	80		83	80	78	76
3	96	87	81	76	93	86	80	75	82	77	73		80	75	72		77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66		74	69	65		71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56		64	59	55		63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52		60	55	51		59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48		57	52	48		56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45		54	48	45		53	48	44	43
10	64	53	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73357
5°	65327
10°	57302
15°	50918
20°	44754
25°	37376
30°	16774
35°	8934
40°	7100
45°	5708
50°	4585
55°	3638
60°	3029
65°	2558
70°	2352
75°	2153
80°	1958
85°	1760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5708 cd/sqm

TEST NUMBER: P702527

CATALOG NUMBER: 340-6C-20-D010 / 340-EU4C-1020-9730-4LBW1LI-FF

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	8.1
10°-20°	289.0	22.3
20°-30°	352.4	27.2
30°-40°	149.2	11.5
40°-50°	113.2	8.7
50°-60°	85.7	6.6
60°-70°	65.5	5.1
70°-80°	54.9	4.2
80°-90°	42.5	3.3
90°-100°	28.3	2.2
100°-110°	8.4	0.7
110°-120°	0.6	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°	746.4	57.6
0°-40°	895.7	69.2
0°-60°	1094.6	84.5
0°-90°	1257.5	97.1
90°-120°	37.4	2.9
90°-150°	37.4	2.9
90°-180°	37.0	2.9
0°-180°	1294.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1124	
5°	1116	105
15°	1029	289
25°	848	352
35°	219	149
45°	146	113
55°	94	86
65°	65	66
75°	52	55
85°	39	33
90°	32	18
95°	28	20
105°	6	8
115°	0	1
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0

TEST NUMBER: P702527

CATALOG NUMBER: 340-6C-20-D010 / 340-EU4C-1020-9730-4LBW1LI-FF

CANDELA DISTRIBUTION (FULL):

0°	
0°	1124.4
2.5°	1122.7
5°	1116.2
7.5°	1096.8
10°	1072.4
12.5°	1051.3
15°	1028.6
17.5°	1001.0
20°	963.7
22.5°	918.3
25°	848.5
27.5°	662.0
30°	397.5
32.5°	261.2
35°	219.0
37.5°	196.3
40°	178.5
42.5°	162.2
45°	146.0
47.5°	131.4
50°	118.4
52.5°	105.5
55°	94.1
57.5°	86.0
60°	77.9
62.5°	69.8
65°	64.9
67.5°	61.7
70°	58.4
72.5°	55.2
75°	51.9
77.5°	48.7
80°	45.4
82.5°	42.2
85°	38.9
87.5°	35.7
90°	32.4
92.5°	30.8
95°	27.6
97.5°	21.1
100°	16.2
102.5°	11.4
105°	6.5
107.5°	4.9
110°	1.6

TEST NUMBER: P702527

CATALOG NUMBER: 340-6C-20-D010 / 340-EU4C-1020-9730-4LBW1LI-FF

CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.6
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)