

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: P702352

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9727-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702352
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-08-D010 / 340-EU4C-1020-9727-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 2700K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

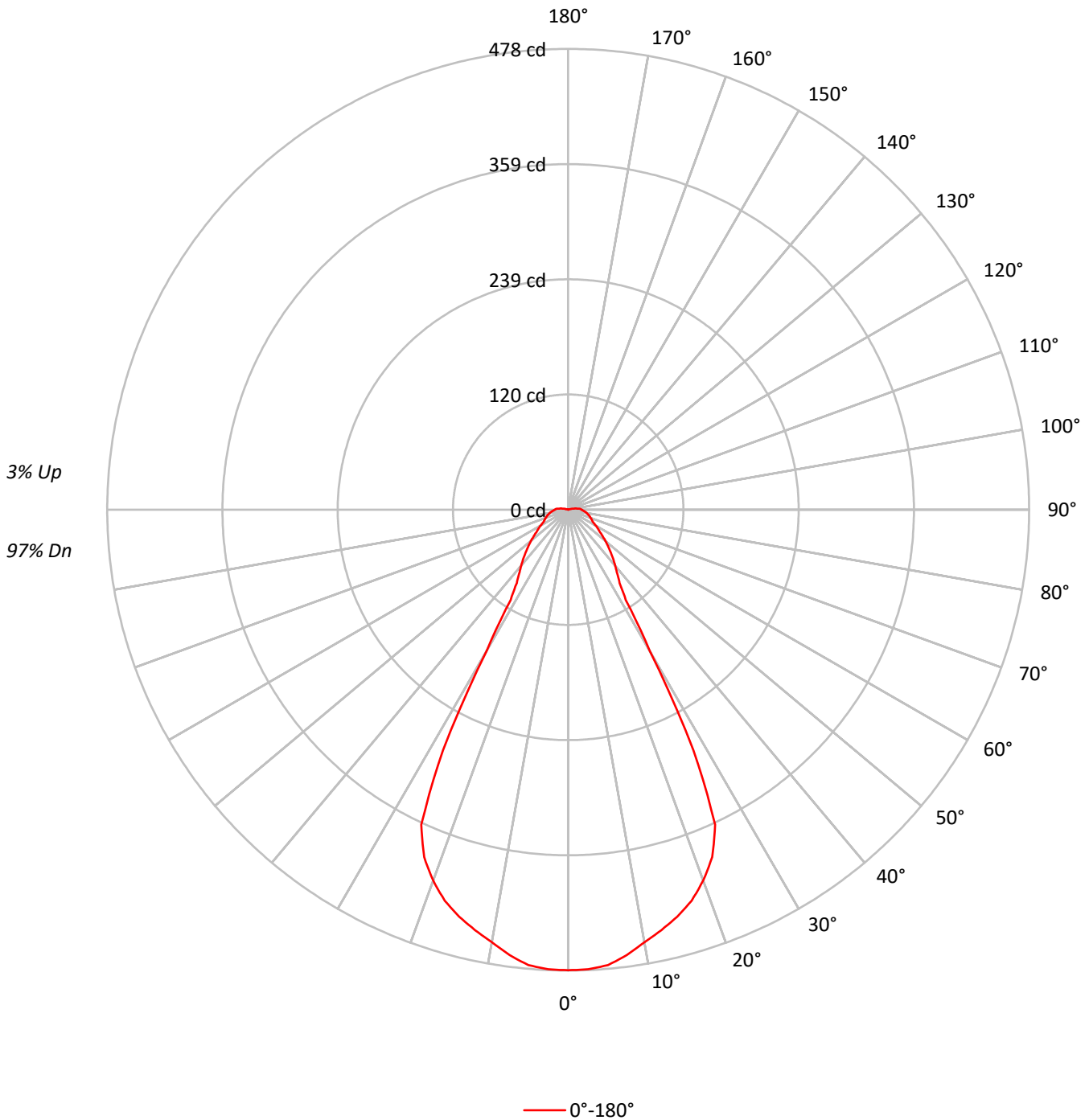
Lumens per Lamp: N/A
Luminaire Lumens: 550.1 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 9.9
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: P702352

CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9727-4LBW1LI-FF

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	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°	31165
5°	27753
10°	24344
15°	21632
20°	19012
25°	15880
30°	7127
35°	3794
40°	3015
45°	2424
50°	1948
55°	1546
60°	1287
65°	1088
70°	999
75°	917
80°	832
85°	746

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2424 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	8.1
10°-20°	122.8	22.3
20°-30°	149.7	27.2
30°-40°	63.4	11.5
40°-50°	48.1	8.7
50°-60°	36.4	6.6
60°-70°	27.8	5.1
70°-80°	23.3	4.2
80°-90°	18.0	3.3
90°-100°	12.1	2.2
100°-110°	3.6	0.7
110°-120°	0.3	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°	317.1	57.6
0°-40°	380.5	69.2
0°-60°	465.0	84.5
0°-90°	534.2	97.1
90°-120°	15.9	2.9
90°-150°	15.9	2.9
90°-180°	16.0	2.9
0°-180°	550.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	478	
5°	474	45
15°	437	123
25°	360	150
35°	93	63
45°	62	48
55°	40	36
65°	28	28
75°	22	23
85°	16	14
90°	14	8
95°	12	8
105°	3	4
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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CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9727-4LBW1LI-FF

CANDELA DISTRIBUTION (FULL):

0°	
0°	477.7
2.5°	477.0
5°	474.2
7.5°	465.9
10°	455.6
12.5°	446.6
15°	437.0
17.5°	425.3
20°	409.4
22.5°	390.1
25°	360.5
27.5°	281.2
30°	168.9
32.5°	111.0
35°	93.0
37.5°	83.4
40°	75.8
42.5°	68.9
45°	62.0
47.5°	55.8
50°	50.3
52.5°	44.8
55°	40.0
57.5°	36.5
60°	33.1
62.5°	29.6
65°	27.6
67.5°	26.2
70°	24.8
72.5°	23.4
75°	22.1
77.5°	20.7
80°	19.3
82.5°	17.9
85°	16.5
87.5°	15.2
90°	13.8
92.5°	13.1
95°	11.7
97.5°	9.0
100°	6.9
102.5°	4.8
105°	2.8
107.5°	2.1
110°	0.7

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CATALOG NUMBER: 340-6C-08-D010 / 340-EU4C-1020-9727-4LBW1LI-FF

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.7
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)