

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: P702541

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9027-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702541
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-25-D010 / 340-EU4C-3040-9027-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

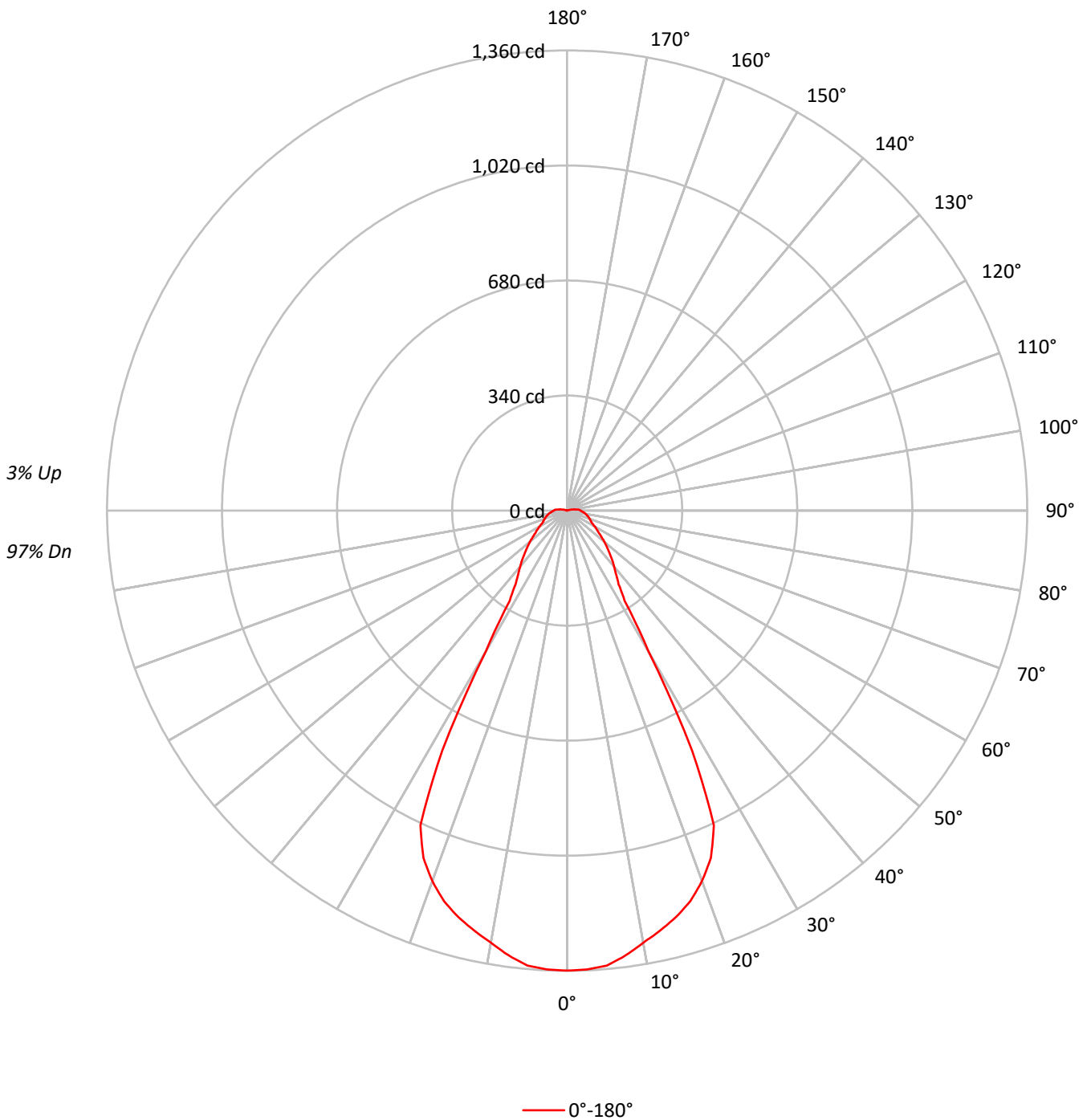
Lumens per Lamp: N/A
Luminaire Lumens: 1565.7 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.5
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	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°	88695
5°	78992
10°	69287
15°	61566
20°	54116
25°	45194
30°	20280
35°	10802
40°	8583
45°	6904
50°	5546
55°	4399
60°	3663
65°	3094
70°	2843
75°	2605
80°	2367
85°	2131

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6904 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	8.1
10°-20°	349.4	22.3
20°-30°	426.2	27.2
30°-40°	180.4	11.5
40°-50°	136.9	8.7
50°-60°	103.7	6.6
60°-70°	79.2	5.1
70°-80°	66.4	4.2
80°-90°	51.4	3.3
90°-100°	34.3	2.2
100°-110°	10.2	0.6
110°-120°	0.8	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°	902.6	57.6
0°-40°	1083.0	69.2
0°-60°	1323.6	84.5
0°-90°	1520.5	97.1
90°-120°	45.2	2.9
90°-150°	45.2	2.9
90°-180°	45.0	2.9
0°-180°	1565.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1360	
5°	1350	127
15°	1244	349
25°	1026	426
35°	265	180
45°	177	137
55°	114	104
65°	78	79
75°	63	66
85°	47	40
90°	39	22
95°	33	24
105°	8	10
115°	0	1
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°	1359.5
2.5°	1357.5
5°	1349.7
7.5°	1326.1
10°	1296.7
12.5°	1271.2
15°	1243.7
17.5°	1210.4
20°	1165.3
22.5°	1110.3
25°	1026.0
27.5°	800.4
30°	480.6
32.5°	315.8
35°	264.8
37.5°	237.4
40°	215.8
42.5°	196.2
45°	176.6
47.5°	158.9
50°	143.2
52.5°	127.5
55°	113.8
57.5°	104.0
60°	94.2
62.5°	84.4
65°	78.5
67.5°	74.5
70°	70.6
72.5°	66.7
75°	62.8
77.5°	58.9
80°	54.9
82.5°	51.0
85°	47.1
87.5°	43.2
90°	39.2
92.5°	37.3
95°	33.3
97.5°	25.5
100°	19.6
102.5°	13.7
105°	7.8
107.5°	5.9
110°	2.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.0
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)