

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: P702534

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9024-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702534
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-3040-9024-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

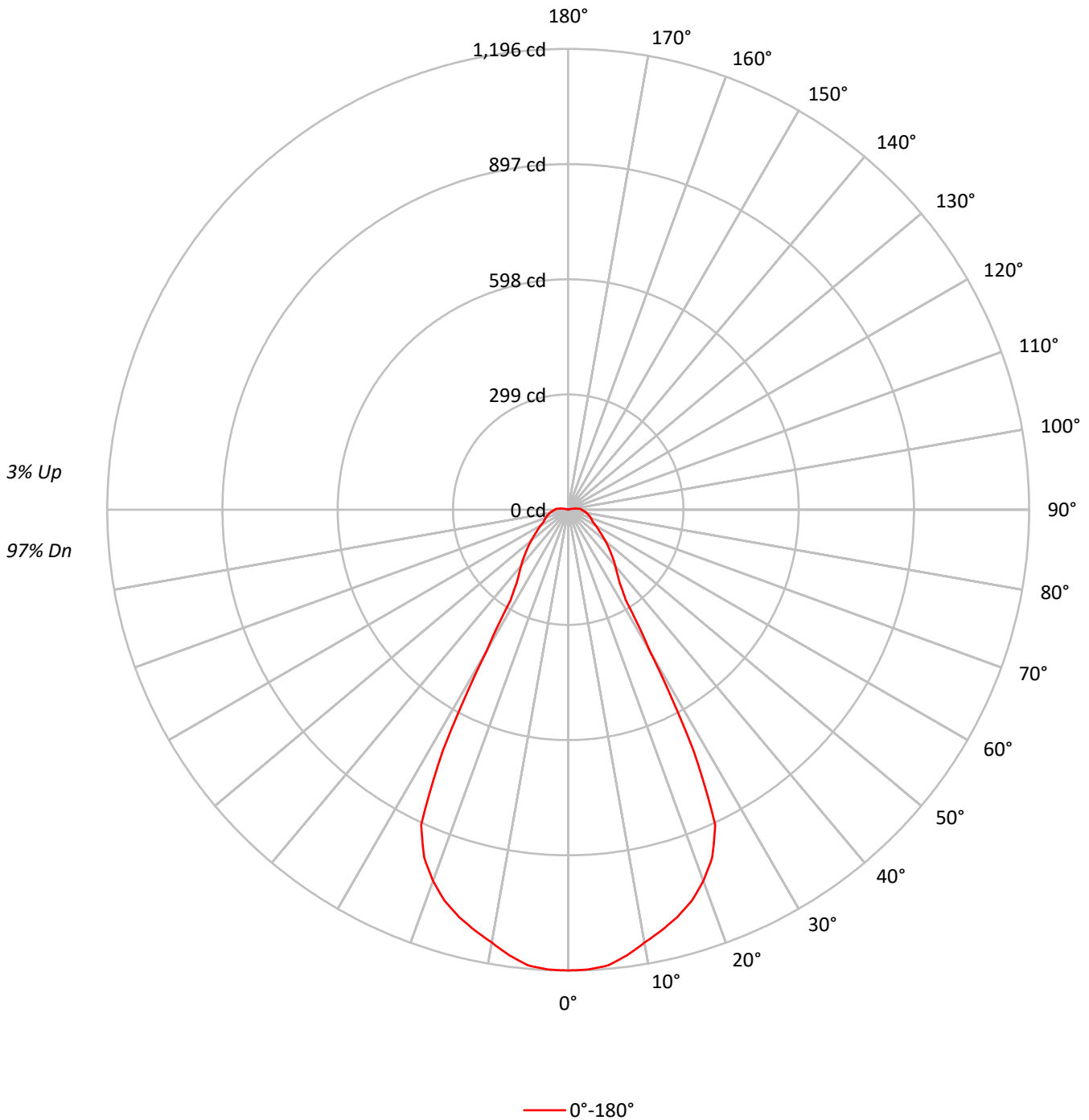
Lumens per Lamp: N/A
Luminaire Lumens: 1377.4 lumens
Efficiency: N/A
Efficacy: 43.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	83	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°	78028
5°	69494
10°	60956
15°	54165
20°	47605
25°	39759
30°	17841
35°	9505
40°	7549
45°	6071
50°	4880
55°	3870
60°	3220
65°	2720
70°	2501
75°	2290
80°	2083
85°	1873

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6071 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.7	8.1
10°-20°	307.4	22.3
20°-30°	374.9	27.2
30°-40°	158.7	11.5
40°-50°	120.4	8.7
50°-60°	91.2	6.6
60°-70°	69.7	5.1
70°-80°	58.4	4.2
80°-90°	45.2	3.3
90°-100°	30.1	2.2
100°-110°	9.0	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°	794.0	57.6
0°-40°	952.7	69.2
0°-60°	1164.4	84.5
0°-90°	1337.6	97.1
90°-120°	39.8	2.9
90°-150°	39.8	2.9
90°-180°	40.0	2.9
0°-180°	1377.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1196	
5°	1187	112
15°	1094	307
25°	903	375
35°	233	159
45°	155	120
55°	100	91
65°	69	70
75°	55	58
85°	41	35
90°	34	19
95°	29	21
105°	7	9
115°	0	1
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1196.0
2.5°	1194.3
5°	1187.4
7.5°	1166.7
10°	1140.8
12.5°	1118.3
15°	1094.2
17.5°	1064.8
20°	1025.1
22.5°	976.8
25°	902.6
27.5°	704.1
30°	422.8
32.5°	277.9
35°	233.0
37.5°	208.8
40°	189.8
42.5°	172.6
45°	155.3
47.5°	139.8
50°	126.0
52.5°	112.2
55°	100.1
57.5°	91.5
60°	82.8
62.5°	74.2
65°	69.0
67.5°	65.6
70°	62.1
72.5°	58.7
75°	55.2
77.5°	51.8
80°	48.3
82.5°	44.9
85°	41.4
87.5°	38.0
90°	34.5
92.5°	32.8
95°	29.3
97.5°	22.4
100°	17.3
102.5°	12.1
105°	6.9
107.5°	5.2
110°	1.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.7
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)