

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: P702590

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9024-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702590
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-30-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

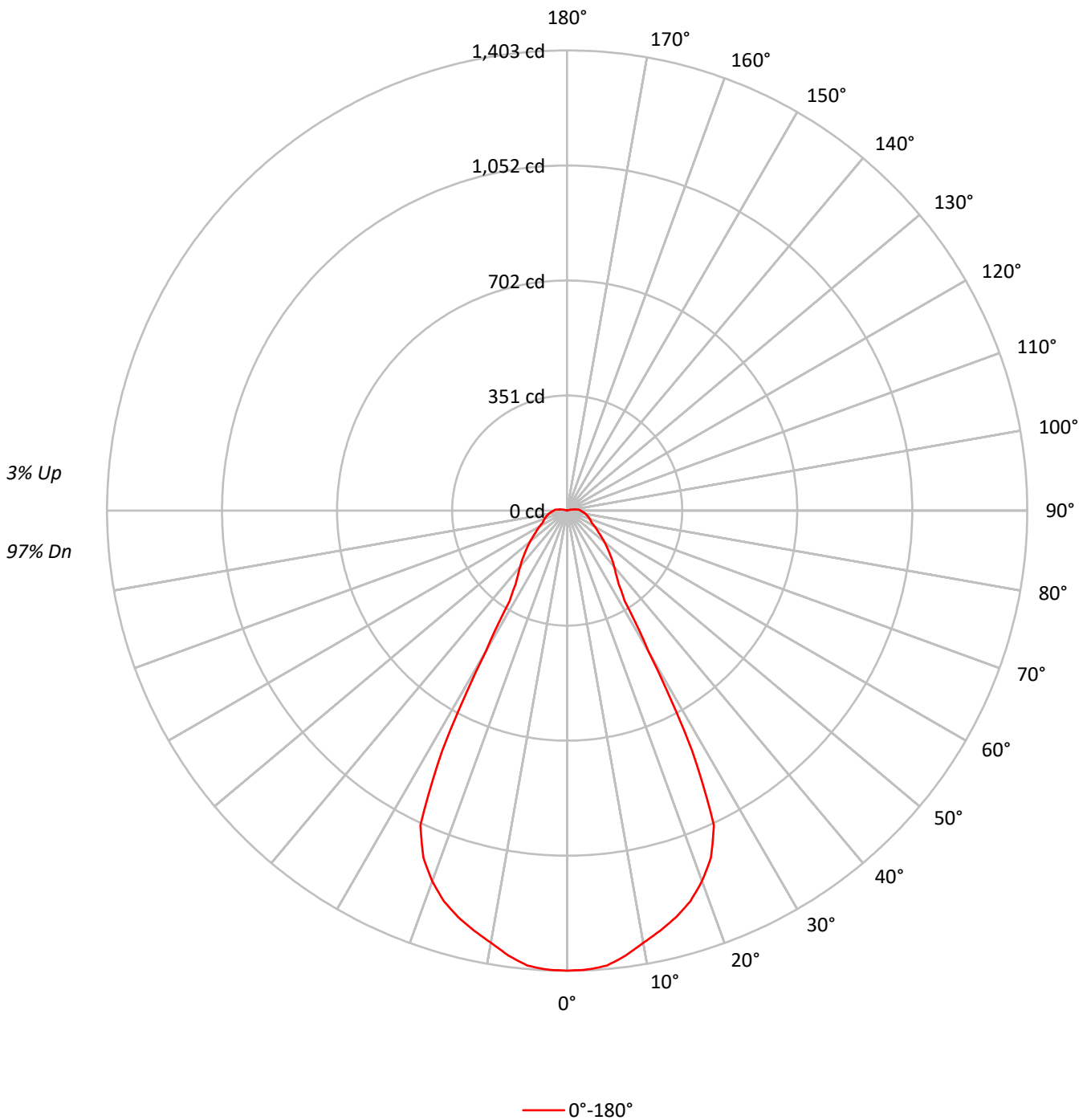
Lumens per Lamp: N/A
Luminaire Lumens: 1615.6 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.6
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°	91520
5°	81509
10°	71493
15°	63531
20°	55839
25°	46635
30°	20926
35°	11149
40°	8858
45°	7123
50°	5724
55°	4538
60°	3779
65°	3193
70°	2936
75°	2688
80°	2445
85°	2199

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7123 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	8.1
10°-20°	360.5	22.3
20°-30°	439.7	27.2
30°-40°	186.2	11.5
40°-50°	141.3	8.7
50°-60°	107.0	6.6
60°-70°	81.7	5.1
70°-80°	68.5	4.2
80°-90°	53.0	3.3
90°-100°	35.4	2.2
100°-110°	10.5	0.7
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°	931.3	57.6
0°-40°	1117.5	69.2
0°-60°	1365.8	84.5
0°-90°	1568.9	97.1
90°-120°	46.6	2.9
90°-150°	46.6	2.9
90°-180°	47.0	2.9
0°-180°	1615.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1403	
5°	1393	131
15°	1283	361
25°	1059	440
35°	273	186
45°	182	141
55°	117	107
65°	81	82
75°	65	68
85°	49	41
90°	40	22
95°	34	25
105°	8	11
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°	1402.8
2.5°	1400.8
5°	1392.7
7.5°	1368.4
10°	1338.0
12.5°	1311.7
15°	1283.4
17.5°	1249.0
20°	1202.4
22.5°	1145.7
25°	1058.7
27.5°	825.9
30°	495.9
32.5°	325.9
35°	273.3
37.5°	244.9
40°	222.7
42.5°	202.4
45°	182.2
47.5°	164.0
50°	147.8
52.5°	131.6
55°	117.4
57.5°	107.3
60°	97.2
62.5°	87.0
65°	81.0
67.5°	76.9
70°	72.9
72.5°	68.8
75°	64.8
77.5°	60.7
80°	56.7
82.5°	52.6
85°	48.6
87.5°	44.5
90°	40.5
92.5°	38.5
95°	34.4
97.5°	26.3
100°	20.2
102.5°	14.2
105°	8.1
107.5°	6.1
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)