

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: P702562

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9040-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702562
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-3040-9040-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

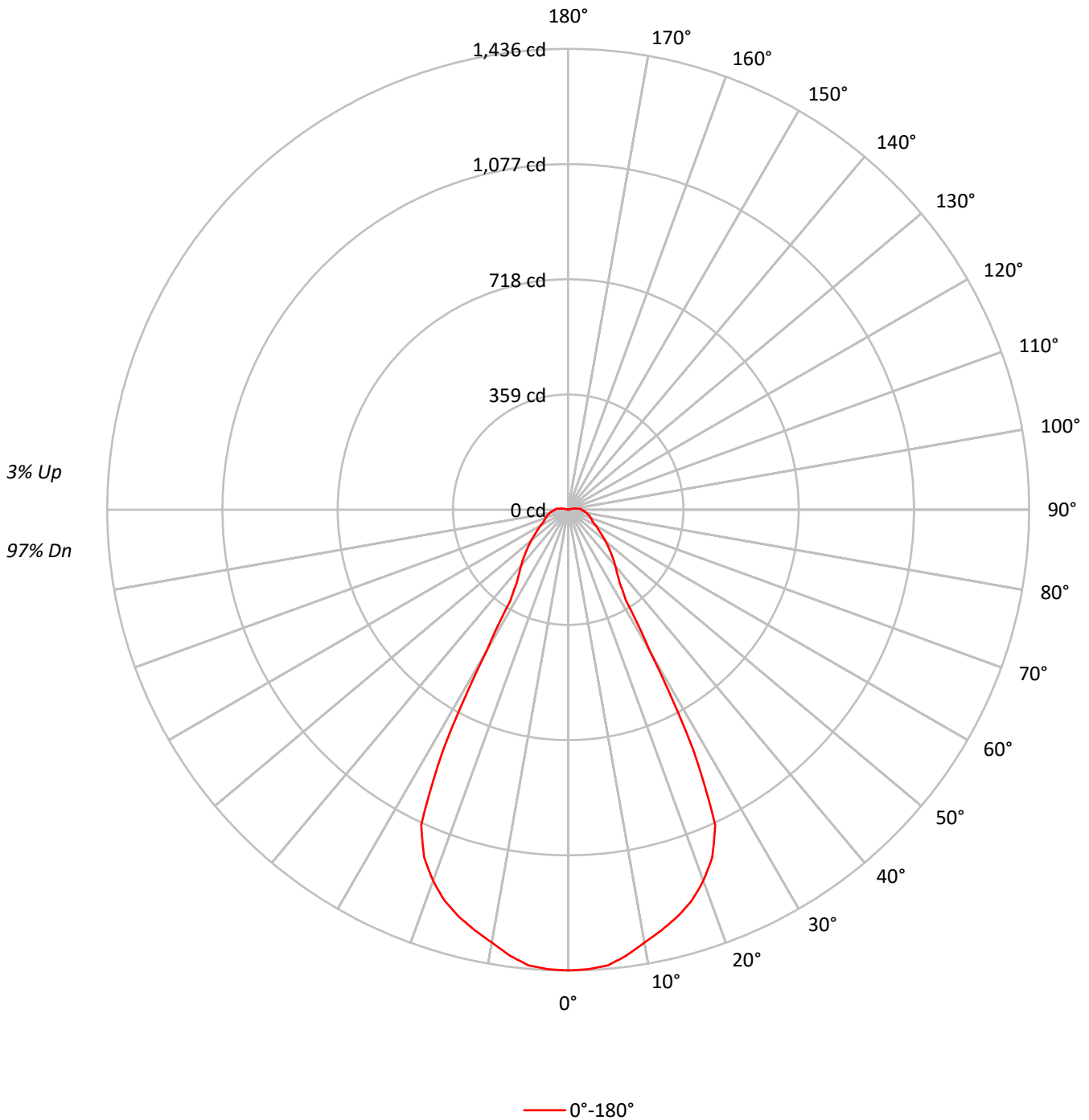
Lumens per Lamp: N/A
Luminaire Lumens: 1653.4 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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°	93659
5°	83411
10°	73166
15°	65016
20°	57144
25°	47723
30°	21416
35°	11410
40°	9065
45°	7287
50°	5855
55°	4647
60°	3865
65°	3267
70°	3004
75°	2751
80°	2501
85°	2249

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7287 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	8.1
10°-20°	369.0	22.3
20°-30°	450.0	27.2
30°-40°	190.5	11.5
40°-50°	144.6	8.7
50°-60°	109.5	6.6
60°-70°	83.7	5.1
70°-80°	70.0	4.2
80°-90°	54.2	3.3
90°-100°	36.2	2.2
100°-110°	10.8	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°	953.1	57.6
0°-40°	1143.6	69.2
0°-60°	1397.7	84.5
0°-90°	1605.6	97.1
90°-120°	47.7	2.9
90°-150°	47.7	2.9
90°-180°	48.0	2.9
0°-180°	1653.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1436	
5°	1425	134
15°	1313	369
25°	1083	450
35°	280	191
45°	186	145
55°	120	109
65°	83	84
75°	66	70
85°	50	42
90°	41	23
95°	35	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°	1435.6
2.5°	1433.5
5°	1425.2
7.5°	1400.4
10°	1369.3
12.5°	1342.4
15°	1313.4
17.5°	1278.2
20°	1230.5
22.5°	1172.5
25°	1083.4
27.5°	845.2
30°	507.5
32.5°	333.5
35°	279.7
37.5°	250.7
40°	227.9
42.5°	207.2
45°	186.4
47.5°	167.8
50°	151.2
52.5°	134.7
55°	120.2
57.5°	109.8
60°	99.4
62.5°	89.1
65°	82.9
67.5°	78.7
70°	74.6
72.5°	70.4
75°	66.3
77.5°	62.1
80°	58.0
82.5°	53.9
85°	49.7
87.5°	45.6
90°	41.4
92.5°	39.4
95°	35.2
97.5°	26.9
100°	20.7
102.5°	14.5
105°	8.3
107.5°	6.2
110°	2.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.1
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)