

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: P702261

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9027-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702261
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-05-D010 / 340-EU4C-1020-9027-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

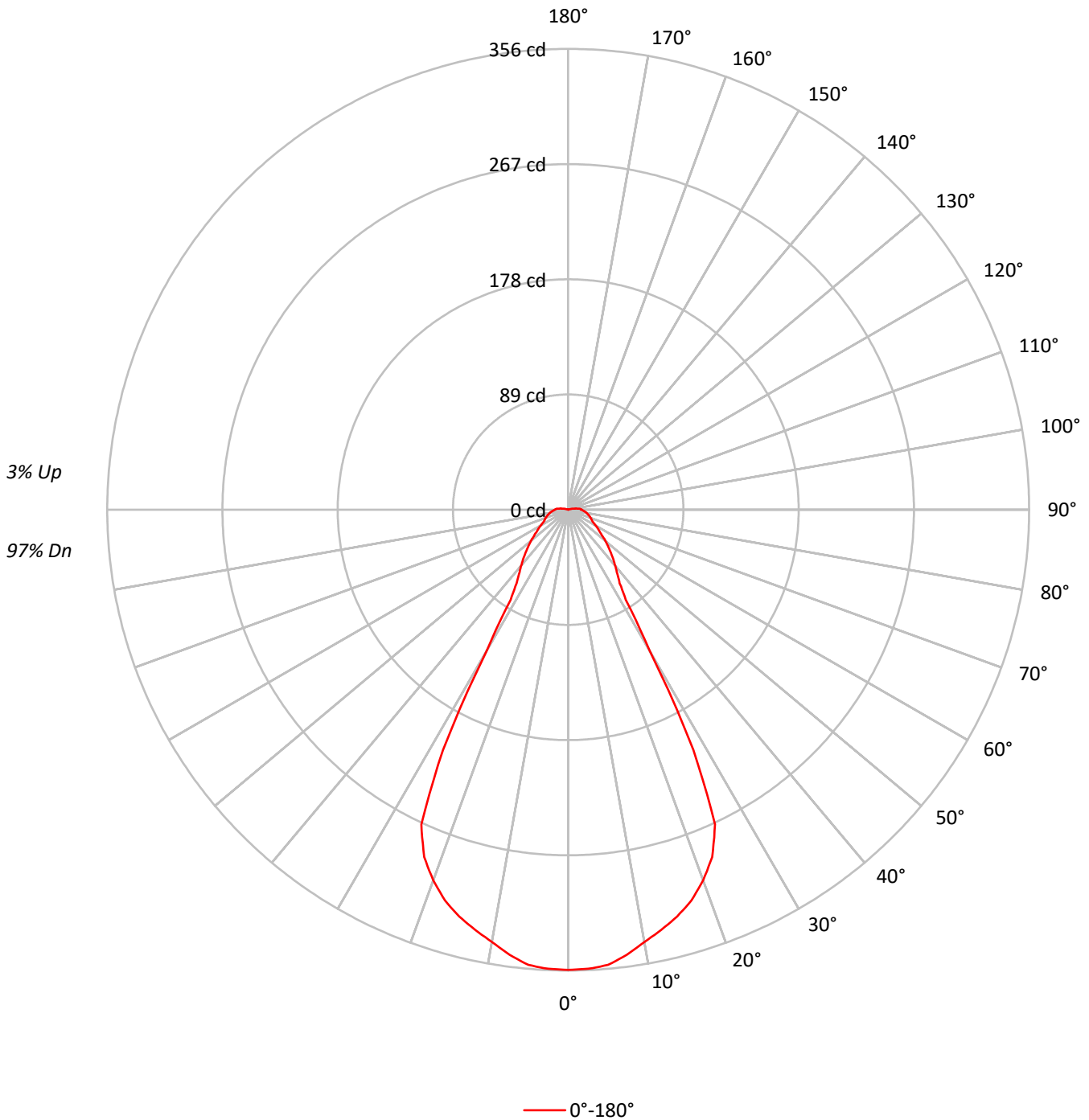
Lumens per Lamp: N/A
Luminaire Lumens: 409.5 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 7.2
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°	23193
5°	20660
10°	18119
15°	16103
20°	14150
25°	11818
30°	5304
35°	2827
40°	2243
45°	1806
50°	1452
55°	1152
60°	957
65°	808
70°	745
75°	680
80°	621
85°	556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1806 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	8.1
10°-20°	91.4	22.3
20°-30°	111.4	27.2
30°-40°	47.2	11.5
40°-50°	35.8	8.7
50°-60°	27.1	6.6
60°-70°	20.7	5.1
70°-80°	17.3	4.2
80°-90°	13.4	3.3
90°-100°	9.0	2.2
100°-110°	2.7	0.7
110°-120°	0.2	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°	236.0	57.6
0°-40°	283.2	69.2
0°-60°	346.2	84.5
0°-90°	397.7	97.1
90°-120°	11.8	2.9
90°-150°	11.8	2.9
90°-180°	12.0	2.9
0°-180°	409.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	356	
5°	353	33
15°	325	91
25°	268	111
35°	69	47
45°	46	36
55°	30	27
65°	20	21
75°	16	17
85°	12	10
90°	10	6
95°	9	6
105°	2	3
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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CANDELA DISTRIBUTION (FULL):

0°	
0°	355.5
2.5°	355.0
5°	353.0
7.5°	346.8
10°	339.1
12.5°	332.4
15°	325.3
17.5°	316.5
20°	304.7
22.5°	290.4
25°	268.3
27.5°	209.3
30°	125.7
32.5°	82.6
35°	69.3
37.5°	62.1
40°	56.4
42.5°	51.3
45°	46.2
47.5°	41.6
50°	37.5
52.5°	33.3
55°	29.8
57.5°	27.2
60°	24.6
62.5°	22.1
65°	20.5
67.5°	19.5
70°	18.5
72.5°	17.4
75°	16.4
77.5°	15.4
80°	14.4
82.5°	13.3
85°	12.3
87.5°	11.3
90°	10.3
92.5°	9.7
95°	8.7
97.5°	6.7
100°	5.1
102.5°	3.6
105°	2.1
107.5°	1.5
110°	0.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.5
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)