

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: P702310

Luminaire Tested: 340-6C-08-D010 / 340-EU4C-1020-9024-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702310
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-08-D010 / 340-EU4C-1020-9024-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

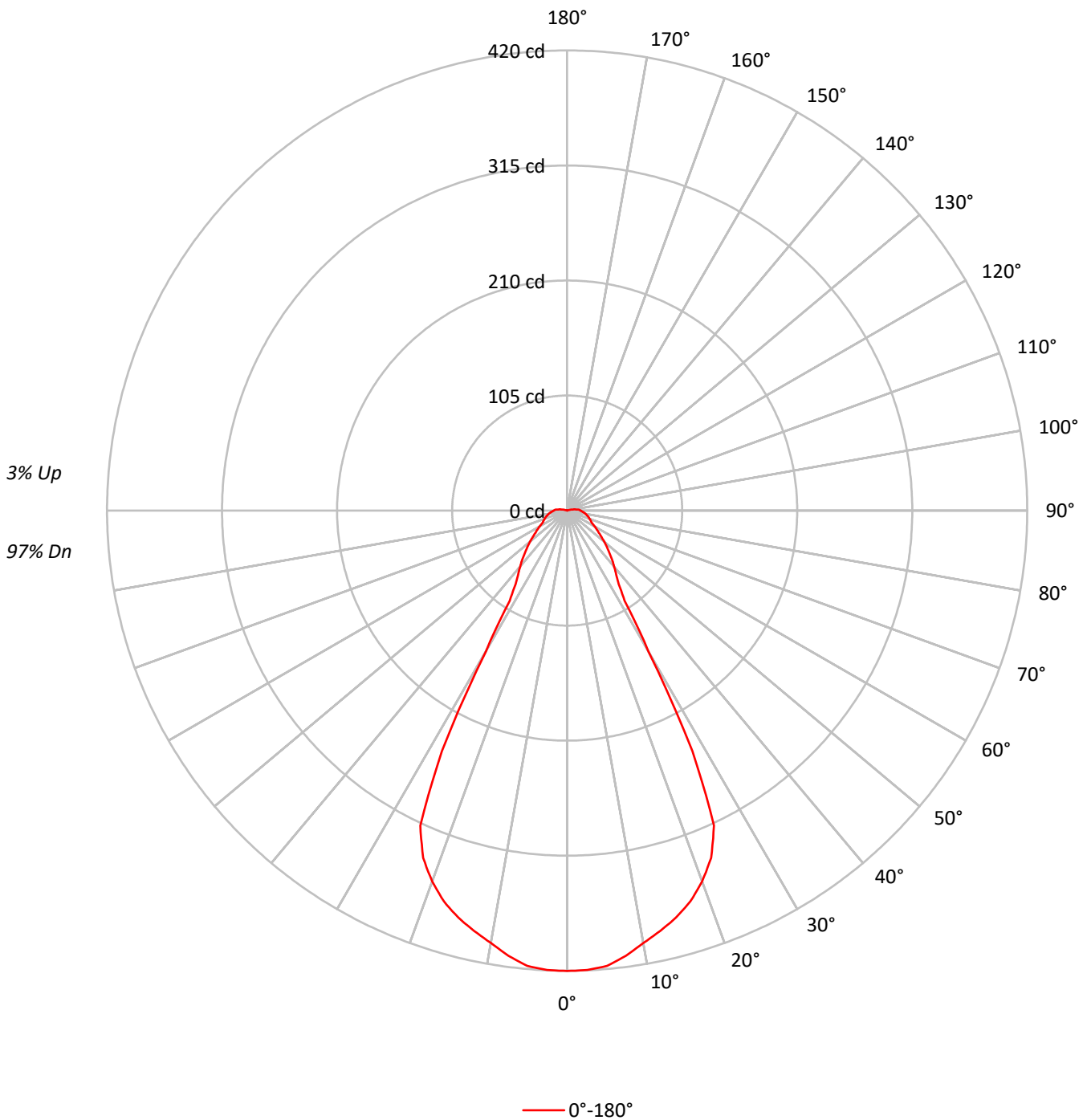
Lumens per Lamp: N/A
Luminaire Lumens: 483.9 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 9.9
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°	27414
5°	24417
10°	21416
15°	19029
20°	16727
25°	13968
30°	6271
35°	3341
40°	2653
45°	2135
50°	1716
55°	1361
60°	1132
65°	958
70°	878
75°	805
80°	733
85°	661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2135 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	8.1
10°-20°	108.0	22.3
20°-30°	131.7	27.2
30°-40°	55.8	11.5
40°-50°	42.3	8.7
50°-60°	32.0	6.6
60°-70°	24.5	5.1
70°-80°	20.5	4.2
80°-90°	15.9	3.3
90°-100°	10.6	2.2
100°-110°	3.1	0.6
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°	279.0	57.6
0°-40°	334.8	69.2
0°-60°	409.1	84.5
0°-90°	470.0	97.1
90°-120°	13.9	2.9
90°-150°	13.9	2.9
90°-180°	14.0	2.9
0°-180°	483.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	420	
5°	417	39
15°	384	108
25°	317	132
35°	82	56
45°	55	42
55°	35	32
65°	24	24
75°	19	21
85°	15	12
90°	12	7
95°	10	7
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°	420.2
2.5°	419.6
5°	417.2
7.5°	409.9
10°	400.8
12.5°	392.9
15°	384.4
17.5°	374.1
20°	360.2
22.5°	343.2
25°	317.1
27.5°	247.4
30°	148.6
32.5°	97.6
35°	81.9
37.5°	73.4
40°	66.7
42.5°	60.6
45°	54.6
47.5°	49.1
50°	44.3
52.5°	39.4
55°	35.2
57.5°	32.1
60°	29.1
62.5°	26.1
65°	24.3
67.5°	23.0
70°	21.8
72.5°	20.6
75°	19.4
77.5°	18.2
80°	17.0
82.5°	15.8
85°	14.6
87.5°	13.3
90°	12.1
92.5°	11.5
95°	10.3
97.5°	7.9
100°	6.1
102.5°	4.2
105°	2.4
107.5°	1.8
110°	0.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.6
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)