

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: P702254

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9024-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702254
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-1020-9024-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

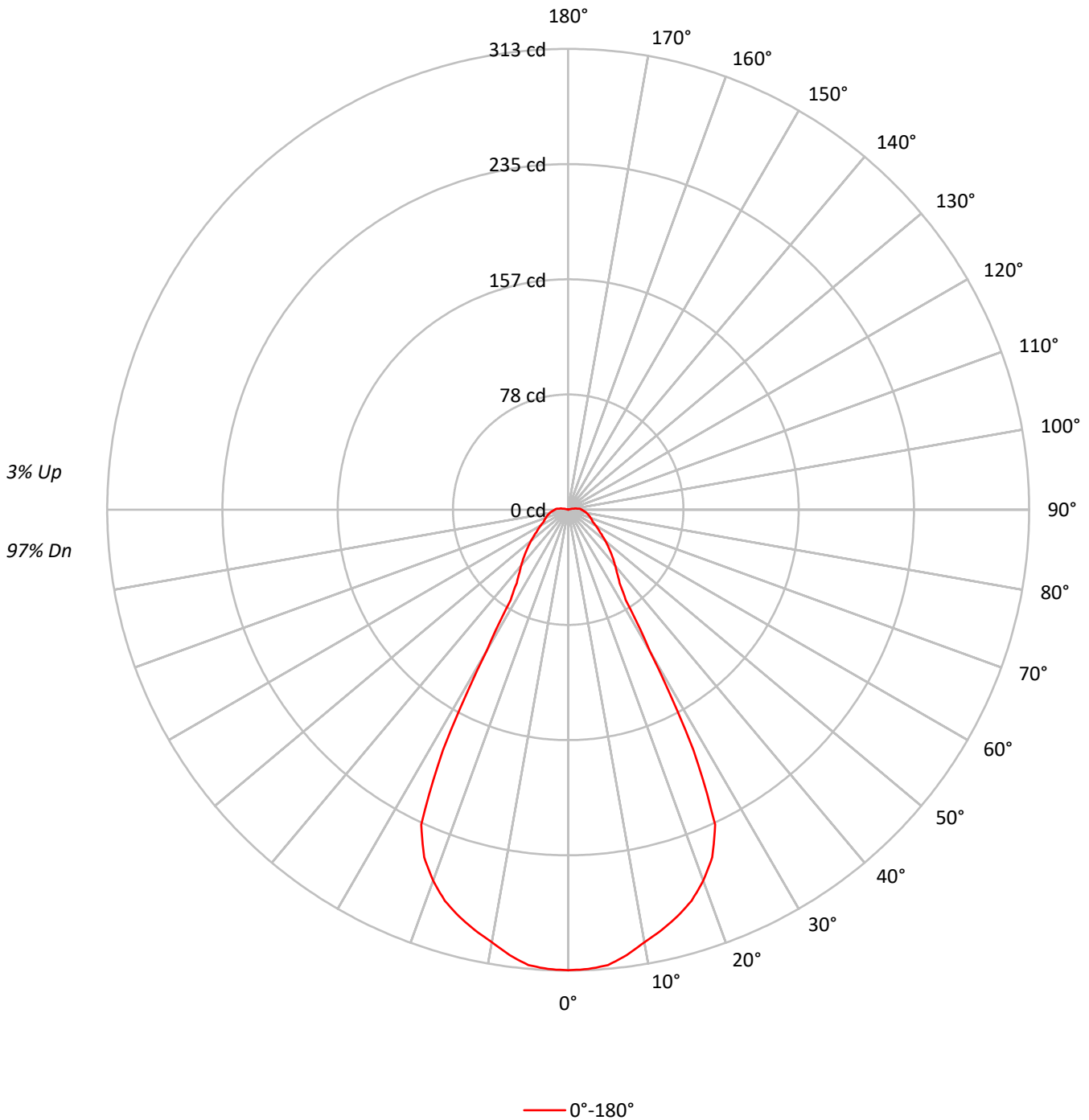
Lumens per Lamp: N/A
Luminaire Lumens: 360.2 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	109	109	109		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	54	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20407
5°	18172
10°	15939
15°	14163
20°	12450
25°	10400
30°	4667
35°	2484
40°	1973
45°	1587
50°	1274
55°	1013
60°	844
65°	713
70°	652
75°	597
80°	543
85°	489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1587 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	8.1
10°-20°	80.4	22.3
20°-30°	98.1	27.2
30°-40°	41.5	11.5
40°-50°	31.5	8.7
50°-60°	23.8	6.6
60°-70°	18.2	5.1
70°-80°	15.2	4.2
80°-90°	11.8	3.3
90°-100°	7.9	2.2
100°-110°	2.4	0.7
110°-120°	0.2	0.1
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°	207.7	57.7
0°-40°	249.2	69.2
0°-60°	304.5	84.5
0°-90°	349.7	97.1
90°-120°	10.5	2.9
90°-150°	10.5	2.9
90°-180°	10.0	2.8
0°-180°	360.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	313	
5°	310	29
15°	286	80
25°	236	98
35°	61	42
45°	41	31
55°	26	24
65°	18	18
75°	14	15
85°	11	9
90°	9	5
95°	8	5
105°	2	2
115°	0	0
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°	312.8
2.5°	312.3
5°	310.5
7.5°	305.1
10°	298.3
12.5°	292.5
15°	286.1
17.5°	278.5
20°	268.1
22.5°	255.5
25°	236.1
27.5°	184.1
30°	110.6
32.5°	72.7
35°	60.9
37.5°	54.6
40°	49.6
42.5°	45.1
45°	40.6
47.5°	36.6
50°	32.9
52.5°	29.3
55°	26.2
57.5°	23.9
60°	21.7
62.5°	19.4
65°	18.1
67.5°	17.2
70°	16.2
72.5°	15.3
75°	14.4
77.5°	13.5
80°	12.6
82.5°	11.7
85°	10.8
87.5°	9.9
90°	9.0
92.5°	8.6
95°	7.7
97.5°	5.9
100°	4.5
102.5°	3.2
105°	1.8
107.5°	1.4
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)