

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: P702252

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

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
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-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

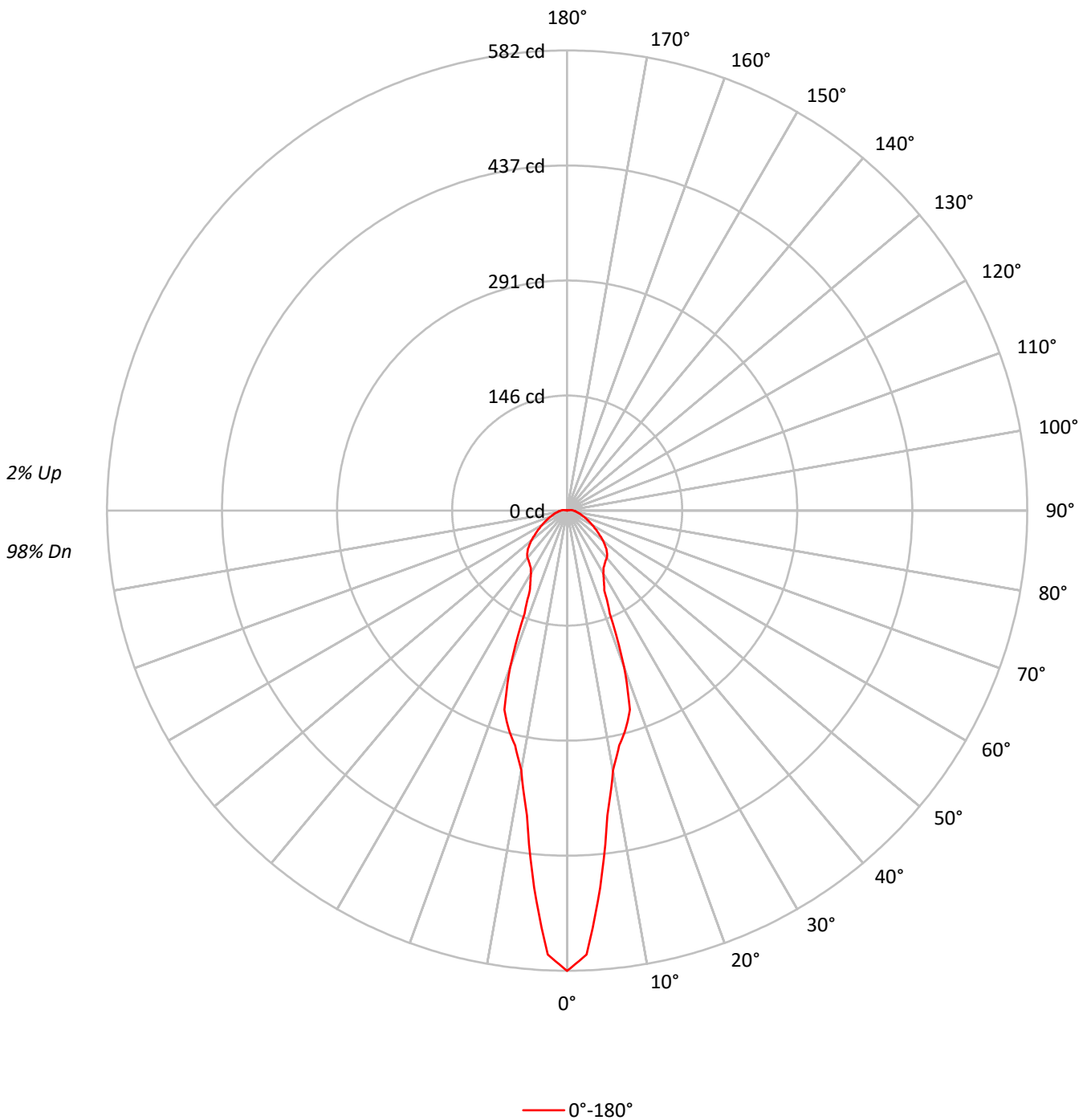
Lumens per Lamp: N/A
Luminaire Lumens: 391.3 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	109	105	101	98	107	103	99	96	98	95	93		94	92	90		90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80		85	81	78		82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70		77	73	69		75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63		71	66	62		69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52		61	55	51		59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44		53	48	44		52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41		50	45	41		49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37983
5°	28028
10°	17820
15°	14163
20°	9766
25°	4911
30°	3865
35°	3370
40°	3106
45°	2752
50°	2289
55°	1813
60°	1439
65°	1139
70°	890
75°	714
80°	582
85°	471

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2752 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	10.4
10°-20°	78.3	20.0
20°-30°	56.8	14.5
30°-40°	52.2	13.3
40°-50°	53.8	13.7
50°-60°	42.3	10.8
60°-70°	28.8	7.3
70°-80°	18.4	4.7
80°-90°	11.4	2.9
90°-100°	6.6	1.7
100°-110°	2.0	0.5
110°-120°	0.1	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°	175.9	45.0
0°-40°	228.1	58.3
0°-60°	324.1	82.8
0°-90°	382.6	97.8
90°-120°	8.6	2.2
90°-150°	8.6	2.2
90°-180°	9.0	2.3
0°-180°	391.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	582	
5°	479	41
15°	286	78
25°	112	57
35°	83	52
45°	70	54
55°	47	42
65°	29	29
75°	17	18
85°	10	9
90°	8	4
95°	6	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°	582.2
2.5°	561.9
5°	478.9
7.5°	389.1
10°	333.5
12.5°	304.2
15°	286.1
17.5°	264.0
20°	210.3
22.5°	140.8
25°	111.5
27.5°	100.2
30°	91.6
32.5°	85.8
35°	82.6
37.5°	79.9
40°	78.1
42.5°	74.9
45°	70.4
47.5°	65.0
50°	59.1
52.5°	52.8
55°	46.9
57.5°	41.5
60°	37.0
62.5°	32.5
65°	28.9
67.5°	25.3
70°	22.1
72.5°	19.4
75°	17.2
77.5°	15.3
80°	13.5
82.5°	11.7
85°	10.4
87.5°	9.0
90°	7.7
92.5°	7.2
95°	6.3
97.5°	5.0
100°	3.6
102.5°	2.7
105°	1.8
107.5°	0.9
110°	0.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
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)