

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: P702308

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

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702308
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-08-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

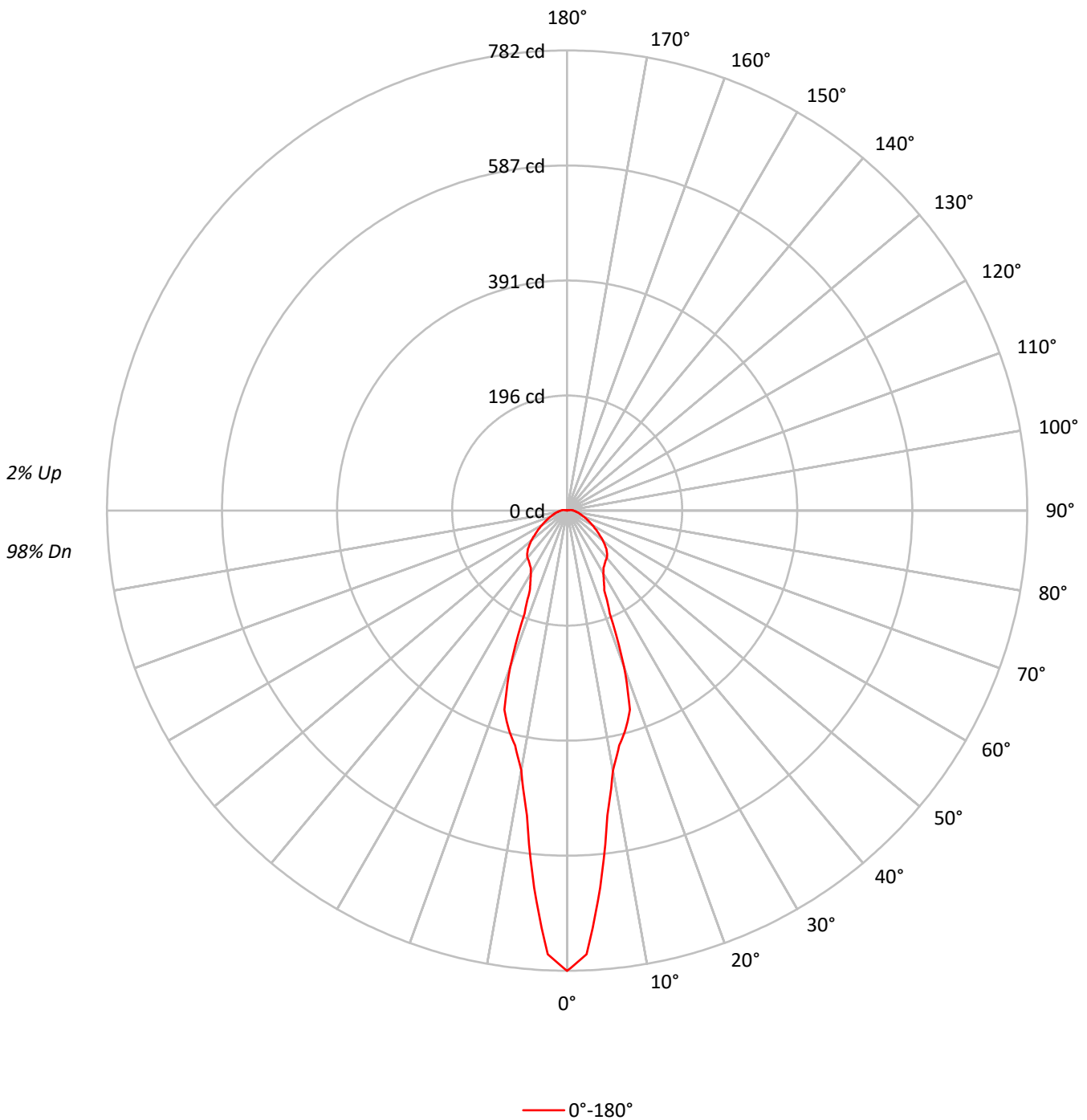
Lumens per Lamp: N/A
Luminaire Lumens: 525.7 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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	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	56		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°	51031
5°	37656
10°	23943
15°	19029
20°	13124
25°	6599
30°	5195
35°	4528
40°	4172
45°	3698
50°	3075
55°	2439
60°	1933
65°	1529
70°	1196
75°	954
80°	785
85°	629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3698 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	10.4
10°-20°	105.2	20.0
20°-30°	76.4	14.5
30°-40°	70.1	13.3
40°-50°	72.3	13.7
50°-60°	56.8	10.8
60°-70°	38.6	7.3
70°-80°	24.7	4.7
80°-90°	15.3	2.9
90°-100°	8.9	1.7
100°-110°	2.6	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°	236.3	45.0
0°-40°	306.4	58.3
0°-60°	435.5	82.8
0°-90°	514.1	97.8
90°-120°	11.6	2.2
90°-150°	11.6	2.2
90°-180°	12.0	2.3
0°-180°	525.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	782	
5°	643	55
15°	384	105
25°	150	76
35°	111	70
45°	95	72
55°	63	57
65°	39	39
75°	23	25
85°	14	12
90°	10	6
95°	8	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°	782.2
2.5°	754.9
5°	643.4
7.5°	522.7
10°	448.1
12.5°	408.7
15°	384.4
17.5°	354.7
20°	282.6
22.5°	189.2
25°	149.8
27.5°	134.6
30°	123.1
32.5°	115.2
35°	111.0
37.5°	107.3
40°	104.9
42.5°	100.7
45°	94.6
47.5°	87.3
50°	79.4
52.5°	70.9
55°	63.1
57.5°	55.8
60°	49.7
62.5°	43.7
65°	38.8
67.5°	34.0
70°	29.7
72.5°	26.1
75°	23.0
77.5°	20.6
80°	18.2
82.5°	15.8
85°	13.9
87.5°	12.1
90°	10.3
92.5°	9.7
95°	8.5
97.5°	6.7
100°	4.9
102.5°	3.6
105°	2.4
107.5°	1.2
110°	0.6

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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)