

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: P702532

Luminaire Tested: 340-6C-25-D010 / 340-EU4C-3040-9024-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702532
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-25-D010 / 340-EU4C-3040-9024-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

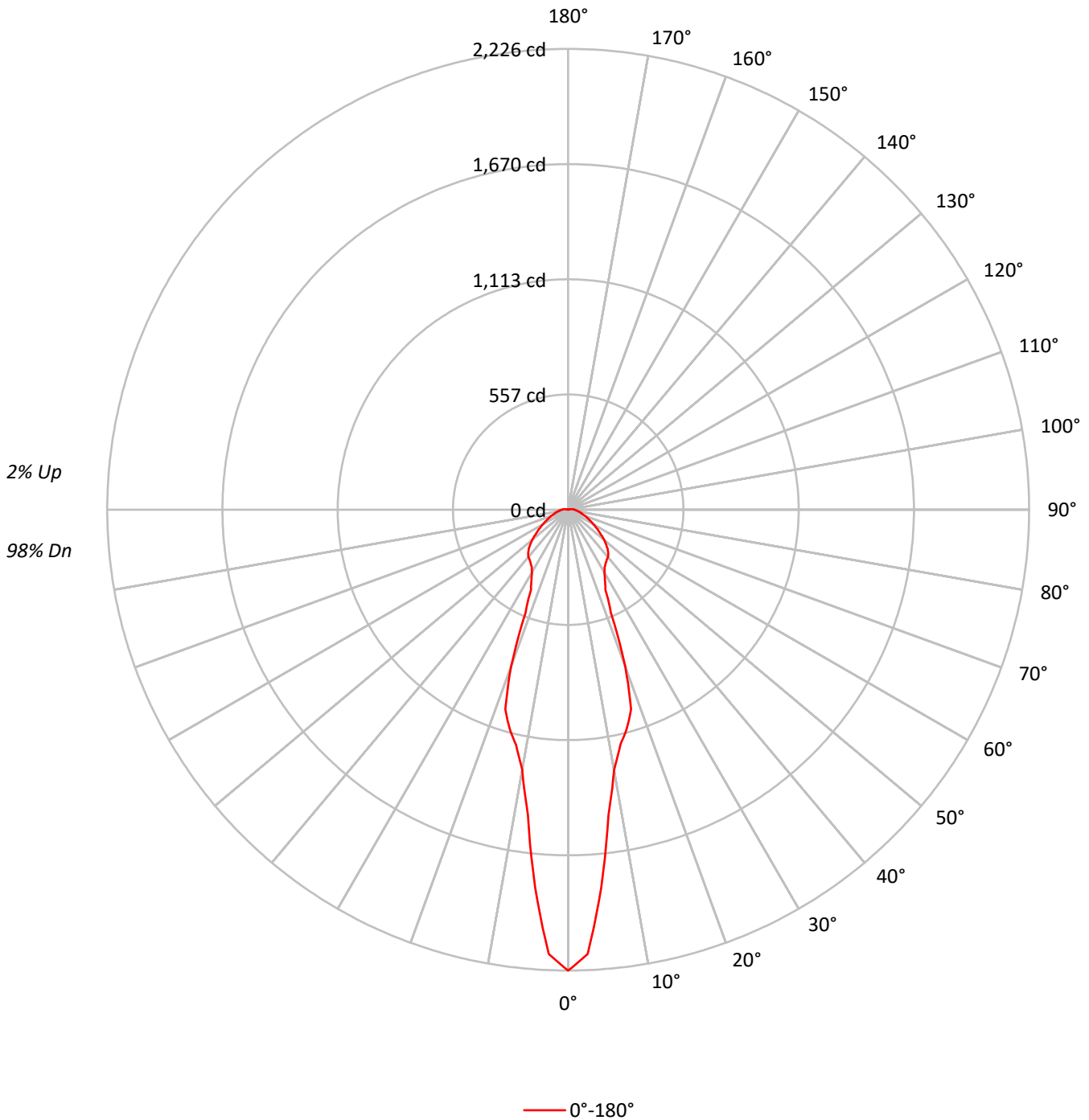
Lumens per Lamp: N/A
Luminaire Lumens: 1496.3 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.5
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	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°	145245
5°	107167
10°	68149
15°	54165
20°	37346
25°	18778
30°	14782
35°	12883
40°	11877
45°	10524
50°	8756
55°	6939
60°	5502
65°	4355
70°	3407
75°	2722
80°	2234
85°	1796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10524 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.9	10.4
10°-20°	299.4	20.0
20°-30°	217.4	14.5
30°-40°	199.4	13.3
40°-50°	205.7	13.7
50°-60°	161.7	10.8
60°-70°	109.9	7.3
70°-80°	70.4	4.7
80°-90°	43.5	2.9
90°-100°	25.2	1.7
100°-110°	7.6	0.5
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°	672.6	45.0
0°-40°	872.1	58.3
0°-60°	1239.4	82.8
0°-90°	1463.3	97.8
90°-120°	33.0	2.2
90°-150°	33.0	2.2
90°-180°	33.0	2.2
0°-180°	1496.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2226	
5°	1831	156
15°	1094	299
25°	426	217
35°	316	199
45°	269	206
55°	180	162
65°	110	110
75°	66	70
85°	40	35
90°	29	17
95°	24	17
105°	7	8
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°	2226.3
2.5°	2148.6
5°	1831.1
7.5°	1487.7
10°	1275.4
12.5°	1163.2
15°	1094.2
17.5°	1009.6
20°	804.2
22.5°	538.5
25°	426.3
27.5°	383.1
30°	350.3
32.5°	327.9
35°	315.8
37.5°	305.5
40°	298.6
42.5°	286.5
45°	269.2
47.5°	248.5
50°	226.1
52.5°	201.9
55°	179.5
57.5°	158.8
60°	141.5
62.5°	124.3
65°	110.5
67.5°	96.6
70°	84.6
72.5°	74.2
75°	65.6
77.5°	58.7
80°	51.8
82.5°	44.9
85°	39.7
87.5°	34.5
90°	29.3
92.5°	27.6
95°	24.2
97.5°	19.0
100°	13.8
102.5°	10.4
105°	6.9
107.5°	3.5
110°	1.7

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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)