

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: P702623

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9050-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702623
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-30-D010 / 340-EU4C-3040-9050-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

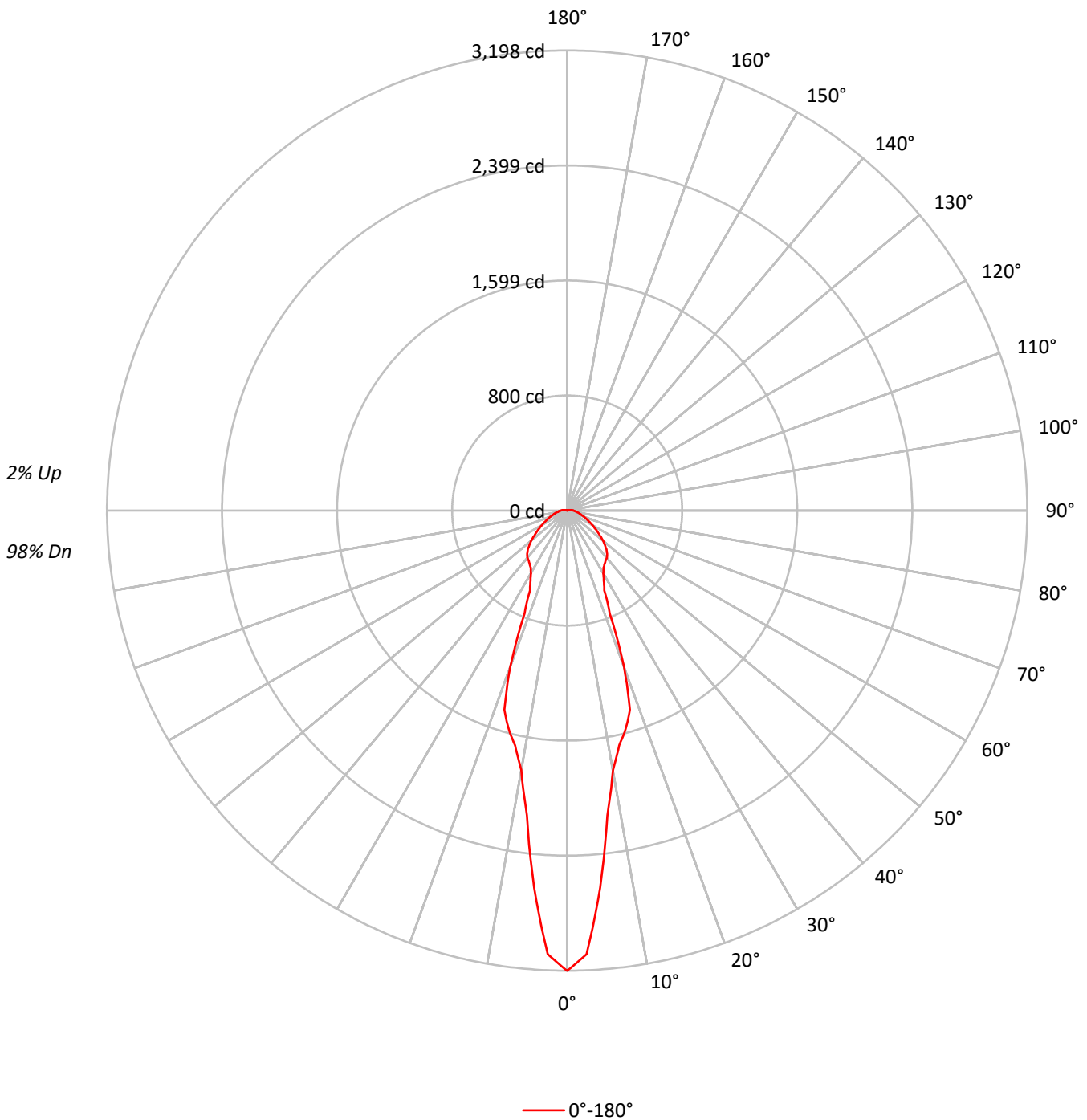
Lumens per Lamp: N/A
Luminaire Lumens: 2149.6 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.6
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°	208666
5°	153958
10°	97900
15°	77813
20°	53656
25°	26976
30°	21238
35°	18509
40°	17059
45°	15122
50°	12578
55°	9970
60°	7905
65°	6255
70°	4893
75°	3908
80°	3208
85°	2579

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15122 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.0	10.4
10°-20°	430.1	20.0
20°-30°	312.3	14.5
30°-40°	286.5	13.3
40°-50°	295.5	13.7
50°-60°	232.2	10.8
60°-70°	157.9	7.3
70°-80°	101.1	4.7
80°-90°	62.5	2.9
90°-100°	36.2	1.7
100°-110°	10.9	0.5
110°-120°	0.3	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°	966.3	45.0
0°-40°	1252.8	58.3
0°-60°	1780.6	82.8
0°-90°	2102.2	97.8
90°-120°	47.4	2.2
90°-150°	47.4	2.2
90°-180°	47.0	2.2
0°-180°	2149.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3198	
5°	2631	224
15°	1572	430
25°	612	312
35°	454	286
45°	387	296
55°	258	232
65°	159	158
75°	94	101
85°	57	50
90°	42	24
95°	35	25
105°	10	11
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°	3198.4
2.5°	3086.8
5°	2630.6
7.5°	2137.2
10°	1832.2
12.5°	1671.1
15°	1571.9
17.5°	1450.4
20°	1155.4
22.5°	773.6
25°	612.4
27.5°	550.4
30°	503.3
32.5°	471.1
35°	453.7
37.5°	438.8
40°	428.9
42.5°	411.6
45°	386.8
47.5°	357.0
50°	324.8
52.5°	290.1
55°	257.9
57.5°	228.1
60°	203.3
62.5°	178.5
65°	158.7
67.5°	138.8
70°	121.5
72.5°	106.6
75°	94.2
77.5°	84.3
80°	74.4
82.5°	64.5
85°	57.0
87.5°	49.6
90°	42.1
92.5°	39.7
95°	34.7
97.5°	27.3
100°	19.8
102.5°	14.9
105°	9.9
107.5°	5.0
110°	2.5

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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)