

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: P702476

Luminaire Tested: 340-6C-20-D010 / 340-EU4C-1020-9024-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702476
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-20-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

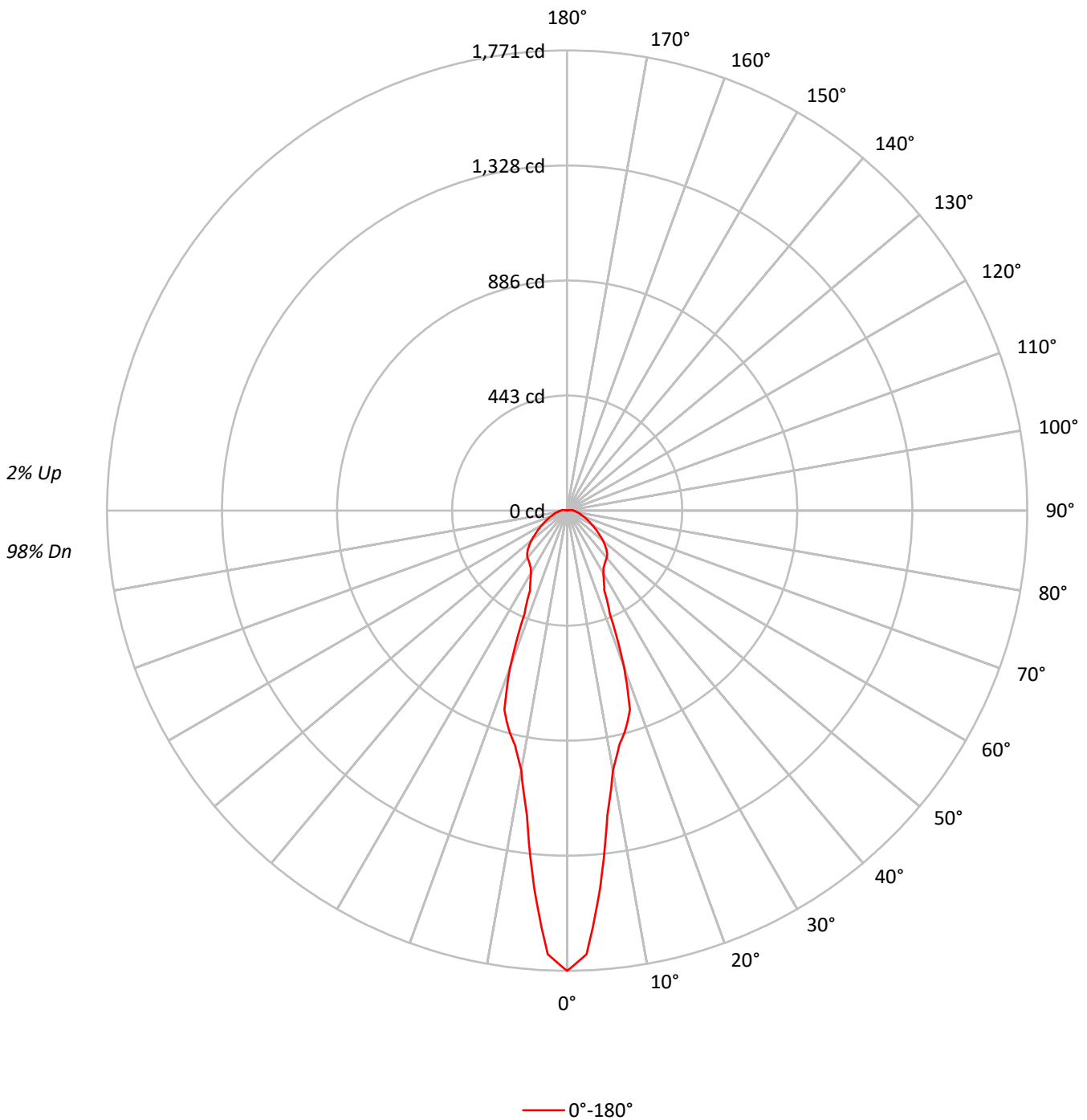
Lumens per Lamp: N/A
Luminaire Lumens: 1190.4 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 21.8
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°	115554
5°	85261
10°	54219
15°	43092
20°	29712
25°	14937
30°	11761
35°	10252
40°	9446
45°	8374
50°	6967
55°	5520
60°	4378
65°	3465
70°	2710
75°	2166
80°	1777
85°	1430

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8374 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	10.4
10°-20°	238.2	20.0
20°-30°	172.9	14.5
30°-40°	158.7	13.3
40°-50°	163.7	13.7
50°-60°	128.6	10.8
60°-70°	87.5	7.3
70°-80°	56.0	4.7
80°-90°	34.6	2.9
90°-100°	20.1	1.7
100°-110°	6.0	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°	535.1	45.0
0°-40°	693.8	58.3
0°-60°	986.0	82.8
0°-90°	1164.2	97.8
90°-120°	26.2	2.2
90°-150°	26.2	2.2
90°-180°	26.0	2.2
0°-180°	1190.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1771	
5°	1457	124
15°	870	238
25°	339	173
35°	251	159
45°	214	164
55°	143	129
65°	88	87
75°	52	56
85°	32	28
90°	23	13
95°	19	14
105°	6	6
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°	1771.2
2.5°	1709.5
5°	1456.8
7.5°	1183.6
10°	1014.7
12.5°	925.4
15°	870.5
17.5°	803.2
20°	639.8
22.5°	428.4
25°	339.1
27.5°	304.8
30°	278.7
32.5°	260.9
35°	251.3
37.5°	243.0
40°	237.5
42.5°	227.9
45°	214.2
47.5°	197.7
50°	179.9
52.5°	160.6
55°	142.8
57.5°	126.3
60°	112.6
62.5°	98.9
65°	87.9
67.5°	76.9
70°	67.3
72.5°	59.0
75°	52.2
77.5°	46.7
80°	41.2
82.5°	35.7
85°	31.6
87.5°	27.5
90°	23.3
92.5°	22.0
95°	19.2
97.5°	15.1
100°	11.0
102.5°	8.2
105°	5.5
107.5°	2.7
110°	1.4

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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)