

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: P702469

Luminaire Tested: 340-6C-15-D010 / 340-EU4C-1020-9730-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702469
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-15-D010 / 340-EU4C-1020-9730-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

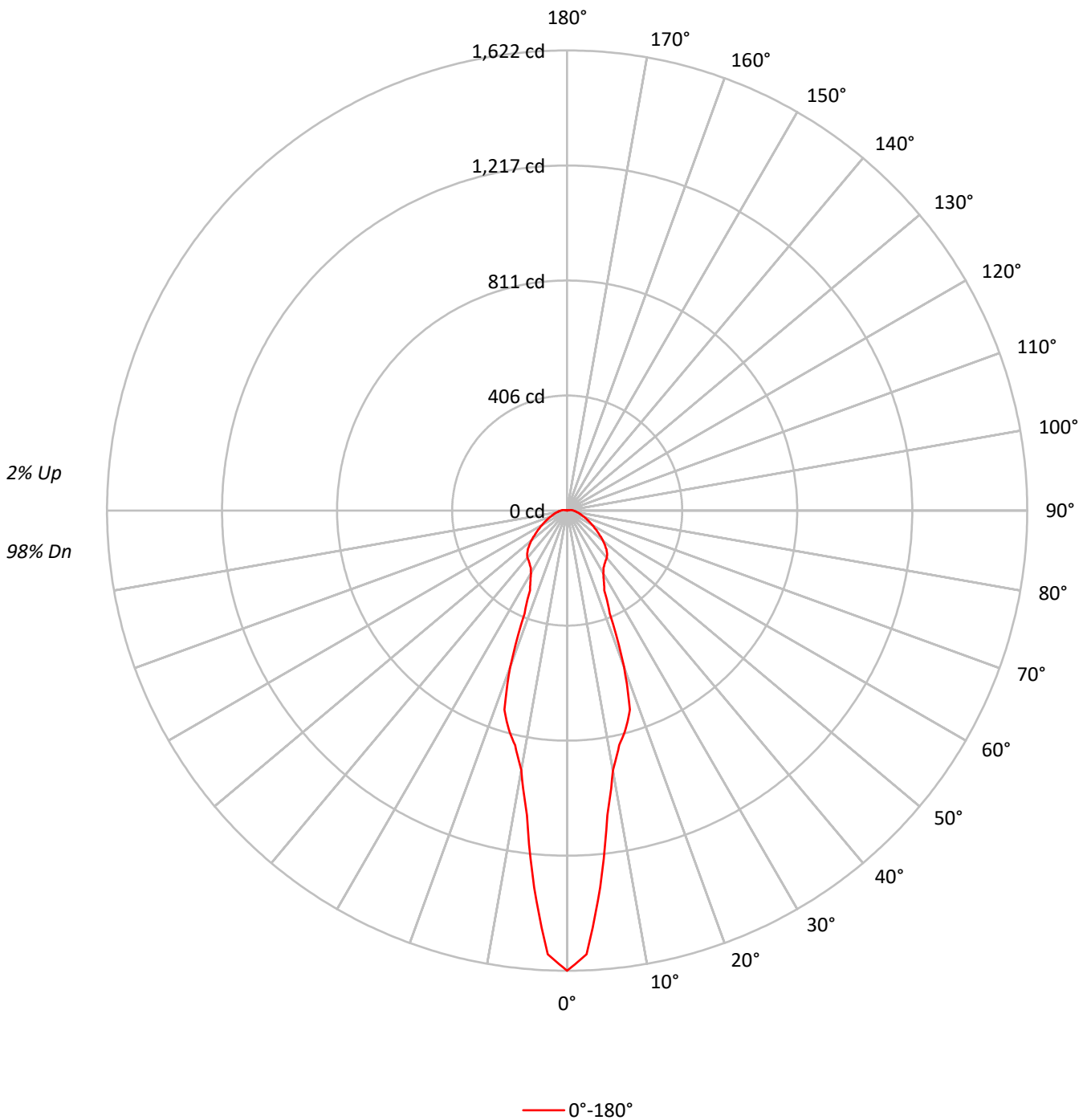
Lumens per Lamp: N/A
Luminaire Lumens: 1090.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 15.8
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°	105814
5°	78074
10°	49645
15°	39458
20°	27209
25°	13677
30°	10769
35°	9387
40°	8651
45°	7666
50°	6378
55°	5056
60°	4009
65°	3173
70°	2481
75°	1983
80°	1626
85°	1307

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7666 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	10.4
10°-20°	218.1	20.0
20°-30°	158.4	14.5
30°-40°	145.3	13.3
40°-50°	149.8	13.7
50°-60°	117.8	10.8
60°-70°	80.1	7.3
70°-80°	51.3	4.7
80°-90°	31.7	2.9
90°-100°	18.4	1.7
100°-110°	5.5	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°	490.0	45.0
0°-40°	635.3	58.3
0°-60°	902.9	82.8
0°-90°	1066.0	97.8
90°-120°	24.0	2.2
90°-150°	24.0	2.2
90°-180°	24.0	2.2
0°-180°	1090.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1622	
5°	1334	114
15°	797	218
25°	310	158
35°	230	145
45°	196	150
55°	131	118
65°	80	80
75°	48	51
85°	29	25
90°	21	12
95°	18	13
105°	5	6
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°	1621.9
2.5°	1565.3
5°	1334.0
7.5°	1083.8
10°	929.1
12.5°	847.4
15°	797.1
17.5°	735.5
20°	585.9
22.5°	392.3
25°	310.5
27.5°	279.1
30°	255.2
32.5°	238.9
35°	230.1
37.5°	222.5
40°	217.5
42.5°	208.7
45°	196.1
47.5°	181.0
50°	164.7
52.5°	147.1
55°	130.8
57.5°	115.7
60°	103.1
62.5°	90.5
65°	80.5
67.5°	70.4
70°	61.6
72.5°	54.1
75°	47.8
77.5°	42.7
80°	37.7
82.5°	32.7
85°	28.9
87.5°	25.1
90°	21.4
92.5°	20.1
95°	17.6
97.5°	13.8
100°	10.1
102.5°	7.5
105°	5.0
107.5°	2.5
110°	1.3

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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)