

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: P702641

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9730-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-30-D010 / 340-EU4C-3040-9730-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

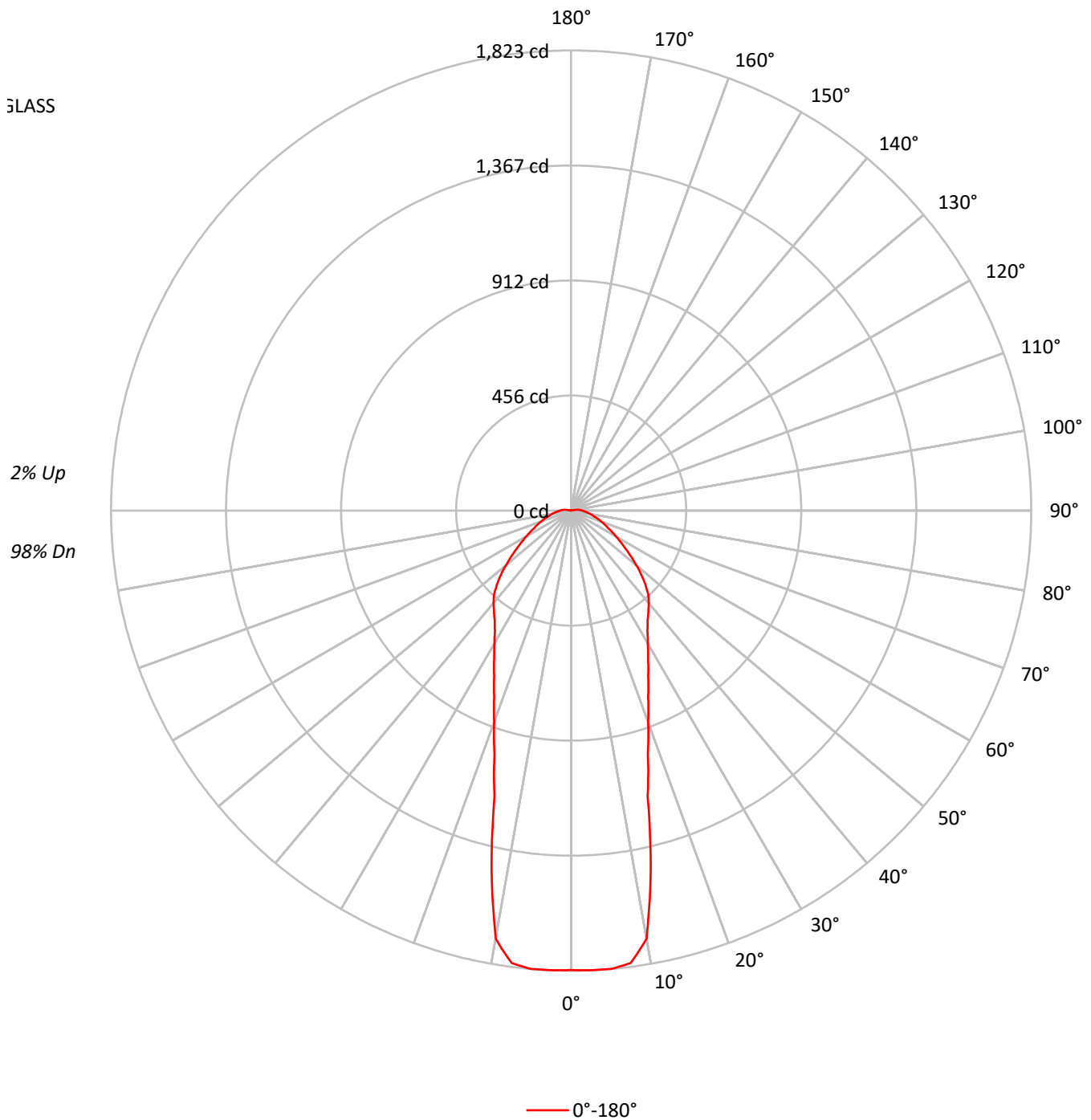
Lumens per Lamp: N/A
Luminaire Lumens: 2103.4 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	97	106	102	99	96	98	95	92		94	91	89		90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79		84	80	77		81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69		76	71	67		73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60		69	64	60		67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54		64	58	53		62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49		59	53	48		57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44		54	49	44		53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118751
5°	106669
10°	92022
15°	58017
20°	41433
25°	31821
30°	25635
35°	21564
40°	19028
45°	16271
50°	13062
55°	10171
60°	7998
65°	6318
70°	5106
75°	4070
80°	3299
85°	2597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16271 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.4	8.1
10°-20°	338.3	16.1
20°-30°	335.1	15.9
30°-40°	333.9	15.9
40°-50°	318.7	15.2
50°-60°	237.9	11.3
60°-70°	161.3	7.7
70°-80°	105.1	5.0
80°-90°	63.9	3.0
90°-100°	33.3	1.6
100°-110°	4.5	0.2
110°-120°	0.0	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°	844.8	40.2
0°-40°	1178.7	56.0
0°-60°	1735.3	82.5
0°-90°	2065.6	98.2
90°-120°	37.8	1.8
90°-150°	37.8	1.8
90°-180°	38.0	1.8
0°-180°	2103.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1820	
5°	1823	171
15°	1172	338
25°	722	335
35°	529	334
45°	416	319
55°	263	238
65°	160	161
75°	98	105
85°	57	51
90°	43	24
95°	31	22
105°	2	4
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°	1820.2
2.5°	1822.6
5°	1822.6
7.5°	1808.3
10°	1722.2
12.5°	1456.7
15°	1172.0
17.5°	1011.8
20°	892.2
22.5°	796.5
25°	722.4
27.5°	660.2
30°	607.5
32.5°	562.1
35°	528.6
37.5°	502.3
40°	478.4
42.5°	452.1
45°	416.2
47.5°	377.9
50°	337.3
52.5°	299.0
55°	263.1
57.5°	232.0
60°	205.7
62.5°	181.8
65°	160.3
67.5°	143.5
70°	126.8
72.5°	112.4
75°	98.1
77.5°	86.1
80°	76.5
82.5°	67.0
85°	57.4
87.5°	50.2
90°	43.1
92.5°	38.3
95°	31.1
97.5°	23.9
100°	14.4
102.5°	7.2
105°	2.4
107.5°	0.0
110°	0.0

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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)