

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: P702726

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9035-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-14)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-40-D010 / 340-EU4C-3040-9035-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

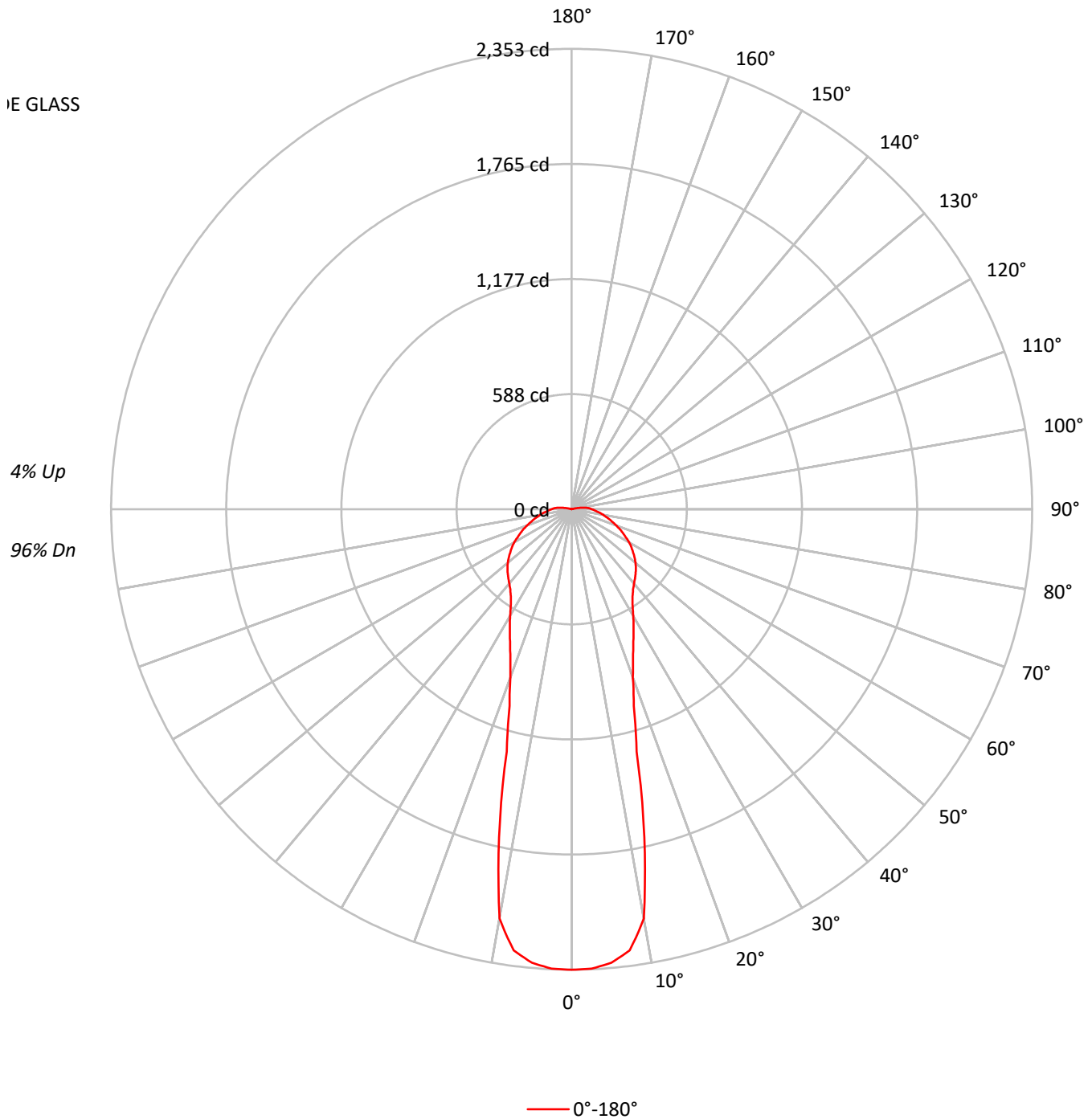
Lumens per Lamp: N/A
Luminaire Lumens: 2723.9 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 47
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	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99	99	99	96
1	107	102	97	93	104	99	95	91	94	91	88		90	87	84		85	83	81	79
2	98	89	82	77	95	87	81	75	83	78	73		79	75	71		76	72	69	66
3	90	79	71	65	87	77	70	64	74	68	62		71	65	61		68	63	59	57
4	83	71	63	56	80	70	62	56	67	60	54		64	58	53		61	56	52	50
5	77	65	56	49	75	63	55	49	61	54	48		58	52	47		56	51	47	44
6	72	59	50	44	70	58	50	44	56	49	43		54	47	43		52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39		50	43	39		48	43	38	36
8	63	50	42	37	61	49	42	36	48	41	36		46	40	36		45	39	35	33
9	60	47	39	34	58	46	39	34	45	38	33		43	37	33		42	37	33	31
10	56	44	36	31	55	43	36	31	42	35	31		41	35	31		40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	153531
5°	136172
10°	113492
15°	63511
20°	42450
25°	32799
30°	26509
35°	22103
40°	19700
45°	18061
50°	16478
55°	14775
60°	13182
65°	11399
70°	9770
75°	8273
80°	7024
85°	5863

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18061 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	7.9
10°-20°	376.7	13.8
20°-30°	345.5	12.7
30°-40°	343.5	12.6
40°-50°	356.8	13.1
50°-60°	342.9	12.6
60°-70°	286.8	10.5
70°-80°	211.6	7.8
80°-90°	143.2	5.3
90°-100°	83.0	3.0
100°-110°	17.3	0.6
110°-120°	0.4	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°	938.5	34.5
0°-40°	1281.9	47.1
0°-60°	1981.6	72.7
0°-90°	2623.2	96.3
90°-120°	100.7	3.7
90°-150°	100.7	3.7
90°-180°	101.0	3.7
0°-180°	2723.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2353	
5°	2327	216
15°	1283	377
25°	745	345
35°	542	343
45°	462	357
55°	382	343
65°	289	287
75°	199	212
85°	130	113
90°	103	57
95°	80	56
105°	13	17
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°	2353.3
2.5°	2350.0
5°	2326.7
7.5°	2273.6
10°	2124.0
12.5°	1715.1
15°	1283.0
17.5°	1053.7
20°	914.1
22.5°	817.7
25°	744.6
27.5°	684.7
30°	628.2
32.5°	578.4
35°	541.8
37.5°	515.2
40°	495.3
42.5°	478.6
45°	462.0
47.5°	445.4
50°	425.5
52.5°	405.5
55°	382.2
57.5°	362.3
60°	339.0
62.5°	312.4
65°	289.2
67.5°	265.9
70°	242.6
72.5°	219.4
75°	199.4
77.5°	179.5
80°	162.9
82.5°	146.3
85°	129.6
87.5°	116.3
90°	103.0
92.5°	93.1
95°	79.8
97.5°	59.8
100°	39.9
102.5°	23.3
105°	13.3
107.5°	6.6
110°	3.3

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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)