

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: P702712

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9027-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702712
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-3040-9027-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

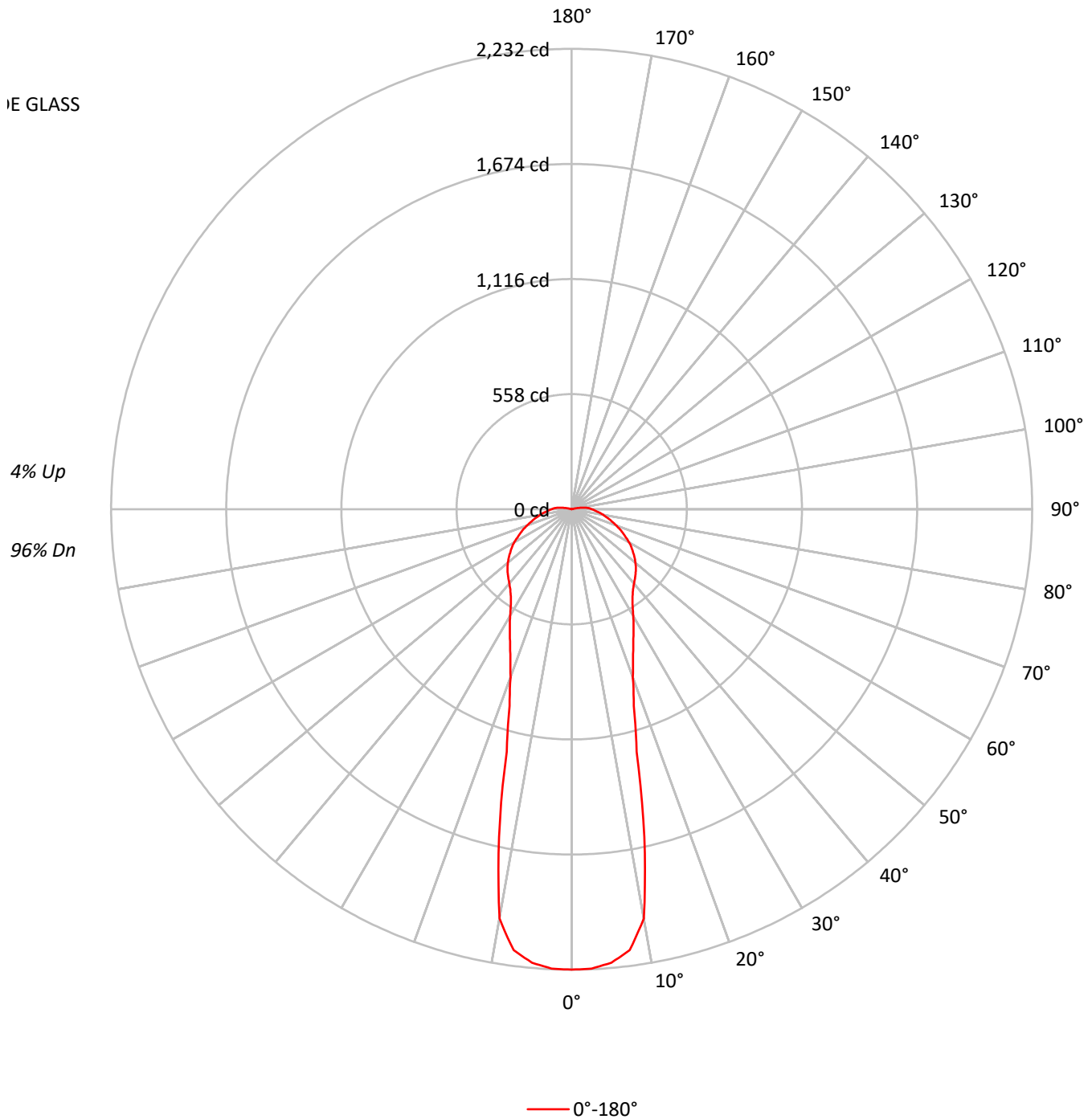
Lumens per Lamp: N/A
Luminaire Lumens: 2583.3 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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°	145604
5°	129143
10°	107630
15°	60234
20°	40258
25°	31103
30°	25142
35°	20960
40°	18682
45°	17131
50°	15626
55°	14013
60°	12501
65°	10811
70°	9266
75°	7845
80°	6662
85°	5560

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17131 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.2	7.9
10°-20°	357.2	13.8
20°-30°	327.6	12.7
30°-40°	325.7	12.6
40°-50°	338.3	13.1
50°-60°	325.2	12.6
60°-70°	272.1	10.5
70°-80°	200.6	7.8
80°-90°	135.8	5.3
90°-100°	78.8	3.0
100°-110°	16.4	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°	890.0	34.5
0°-40°	1215.7	47.1
0°-60°	1879.3	72.7
0°-90°	2487.8	96.3
90°-120°	95.6	3.7
90°-150°	95.6	3.7
90°-180°	96.0	3.7
0°-180°	2583.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2232	
5°	2207	205
15°	1217	357
25°	706	328
35°	514	326
45°	438	338
55°	362	325
65°	274	272
75°	189	201
85°	123	107
90°	98	54
95°	76	53
105°	13	16
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°	2231.8
2.5°	2228.7
5°	2206.6
7.5°	2156.2
10°	2014.3
12.5°	1626.6
15°	1216.8
17.5°	999.3
20°	866.9
22.5°	775.5
25°	706.1
27.5°	649.4
30°	595.8
32.5°	548.5
35°	513.8
37.5°	488.6
40°	469.7
42.5°	453.9
45°	438.2
47.5°	422.4
50°	403.5
52.5°	384.6
55°	362.5
57.5°	343.6
60°	321.5
62.5°	296.3
65°	274.3
67.5°	252.2
70°	230.1
72.5°	208.1
75°	189.1
77.5°	170.2
80°	154.5
82.5°	138.7
85°	122.9
87.5°	110.3
90°	97.7
92.5°	88.3
95°	75.7
97.5°	56.7
100°	37.8
102.5°	22.1
105°	12.6
107.5°	6.3
110°	3.2

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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)