

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: P702698

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702698
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-35-D010 / 340-EU4C-3040-9730-4LBW1LI-GFF
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, FROSTED OUTSIDE KIT.
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

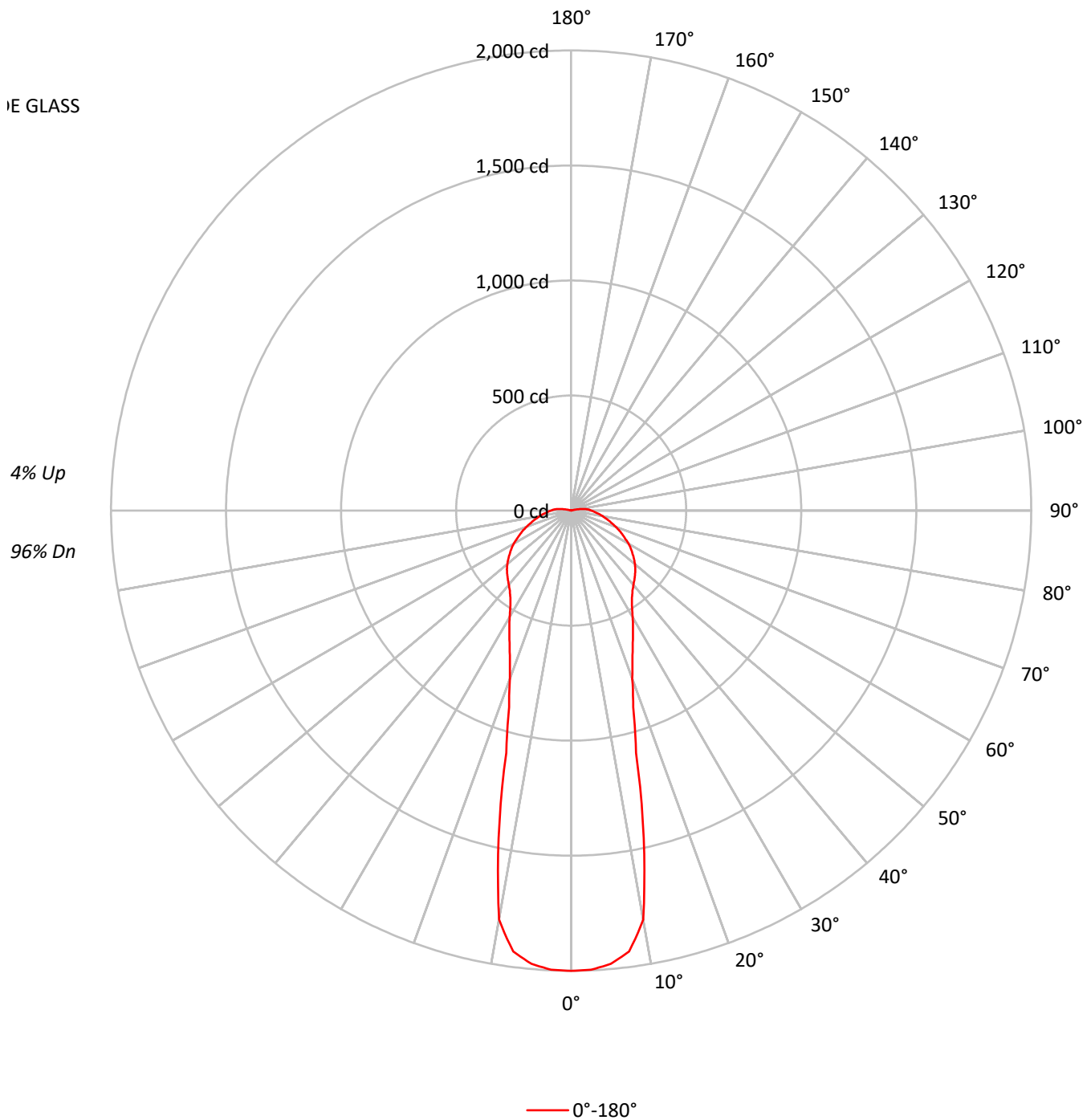
Lumens per Lamp: N/A
Luminaire Lumens: 2315.6 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 40.4
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°	130514
5°	115758
10°	96473
15°	53987
20°	36083
25°	27879
30°	22534
35°	18790
40°	16745
45°	15352
50°	14007
55°	12560
60°	11206
65°	9688
70°	8308
75°	7032
80°	5972
85°	4986

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15352 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	7.9
10°-20°	320.2	13.8
20°-30°	293.7	12.7
30°-40°	292.0	12.6
40°-50°	303.3	13.1
50°-60°	291.5	12.6
60°-70°	243.8	10.5
70°-80°	179.8	7.8
80°-90°	121.7	5.3
90°-100°	70.6	3.0
100°-110°	14.7	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°	797.8	34.5
0°-40°	1089.7	47.1
0°-60°	1684.5	72.7
0°-90°	2229.9	96.3
90°-120°	85.7	3.7
90°-150°	85.7	3.7
90°-180°	86.0	3.7
0°-180°	2315.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2000	
5°	1978	184
15°	1091	320
25°	633	294
35°	461	292
45°	393	303
55°	325	292
65°	246	244
75°	170	180
85°	110	96
90°	88	48
95°	68	48
105°	11	15
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°	2000.5
2.5°	1997.6
5°	1977.9
7.5°	1932.7
10°	1805.5
12.5°	1458.0
15°	1090.6
17.5°	895.7
20°	777.0
22.5°	695.1
25°	632.9
27.5°	582.1
30°	534.0
32.5°	491.6
35°	460.6
37.5°	438.0
40°	421.0
42.5°	406.9
45°	392.7
47.5°	378.6
50°	361.7
52.5°	344.7
55°	324.9
57.5°	308.0
60°	288.2
62.5°	265.6
65°	245.8
67.5°	226.0
70°	206.3
72.5°	186.5
75°	169.5
77.5°	152.6
80°	138.5
82.5°	124.3
85°	110.2
87.5°	98.9
90°	87.6
92.5°	79.1
95°	67.8
97.5°	50.9
100°	33.9
102.5°	19.8
105°	11.3
107.5°	5.7
110°	2.8

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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)