

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: P702697

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

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702697
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-35-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

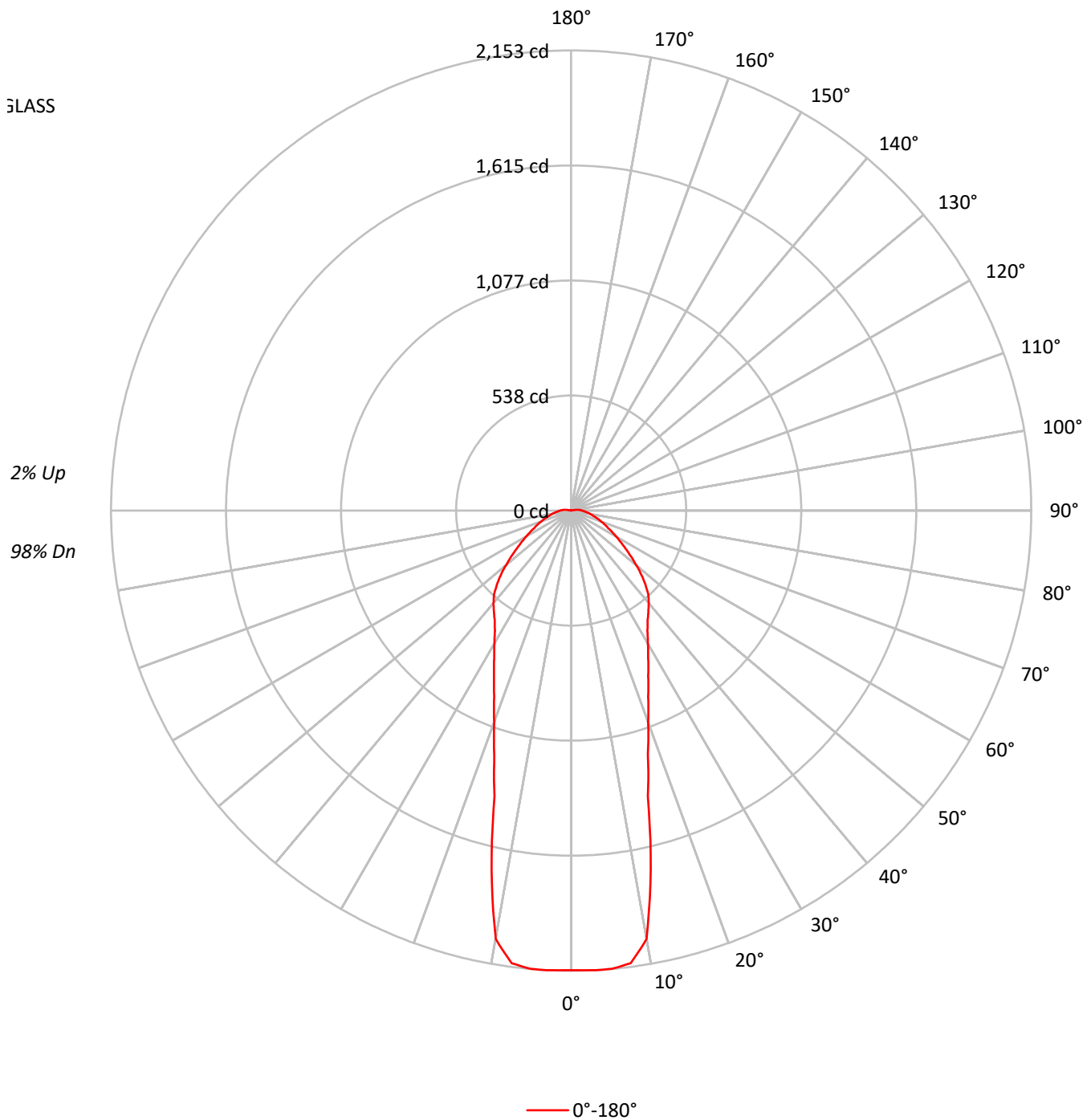
Lumens per Lamp: N/A
Luminaire Lumens: 2484.6 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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	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°	140280
5°	126006
10°	108704
15°	68536
20°	48942
25°	37587
30°	30286
35°	25472
40°	22476
45°	19219
50°	15429
55°	12015
60°	9449
65°	7461
70°	6033
75°	4804
80°	3898
85°	3067

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19219 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.4	8.1
10°-20°	399.6	16.1
20°-30°	395.9	15.9
30°-40°	394.5	15.9
40°-50°	376.5	15.2
50°-60°	281.0	11.3
60°-70°	190.5	7.7
70°-80°	124.2	5.0
80°-90°	75.5	3.0
90°-100°	39.4	1.6
100°-110°	5.3	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°	997.9	40.2
0°-40°	1392.4	56.0
0°-60°	2049.8	82.5
0°-90°	2439.9	98.2
90°-120°	44.7	1.8
90°-150°	44.7	1.8
90°-180°	45.0	1.8
0°-180°	2484.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2150	
5°	2153	202
15°	1384	400
25°	853	396
35°	624	394
45°	492	376
55°	311	281
65°	189	190
75°	116	124
85°	68	60
90°	51	28
95°	37	26
105°	3	5
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°	2150.2
2.5°	2153.0
5°	2153.0
7.5°	2136.1
10°	2034.4
12.5°	1720.7
15°	1384.5
17.5°	1195.2
20°	1053.9
22.5°	940.9
25°	853.3
27.5°	779.8
30°	717.7
32.5°	664.0
35°	624.4
37.5°	593.4
40°	565.1
42.5°	534.0
45°	491.6
47.5°	446.4
50°	398.4
52.5°	353.2
55°	310.8
57.5°	274.1
60°	243.0
62.5°	214.7
65°	189.3
67.5°	169.5
70°	149.8
72.5°	132.8
75°	115.8
77.5°	101.7
80°	90.4
82.5°	79.1
85°	67.8
87.5°	59.3
90°	50.9
92.5°	45.2
95°	36.7
97.5°	28.3
100°	17.0
102.5°	8.5
105°	2.8
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)