

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: P702480

Luminaire Tested: 340-6C-20-D010 / 340-EU4C-1020-9024-4LBW1LI-GFC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702480
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-20-D010 / 340-EU4C-1020-9024-4LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE C
KIT.
Light Source: 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

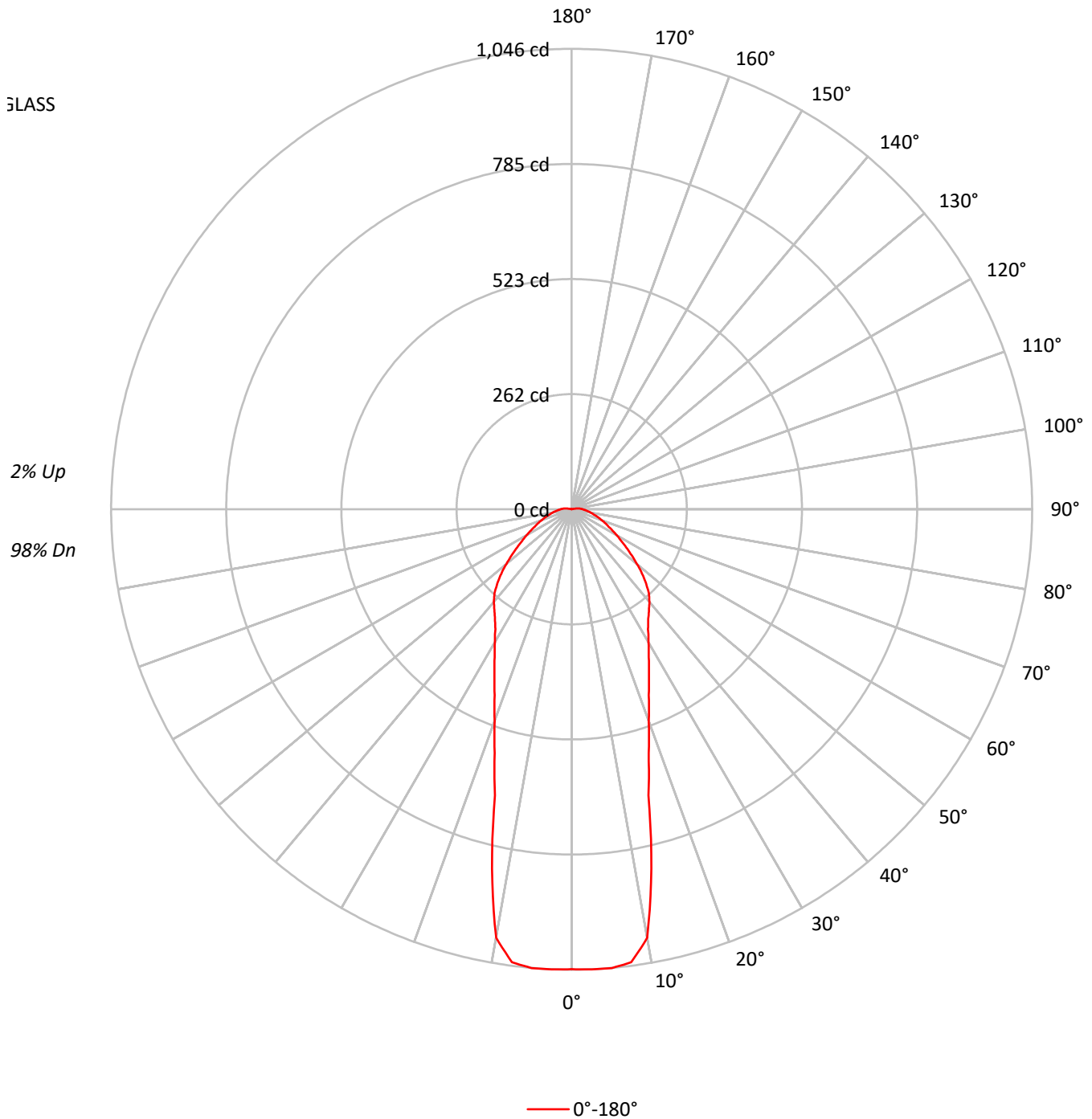
Lumens per Lamp: N/A
Luminaire Lumens: 1207.4 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 21.8
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°	68170
5°	61236
10°	52824
15°	33305
20°	23786
25°	18267
30°	14719
35°	12377
40°	10922
45°	9340
50°	7497
55°	5837
60°	4592
65°	3626
70°	2932
75°	2336
80°	1893
85°	1493

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9340 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	8.1
10°-20°	194.2	16.1
20°-30°	192.4	15.9
30°-40°	191.7	15.9
40°-50°	182.9	15.2
50°-60°	136.5	11.3
60°-70°	92.6	7.7
70°-80°	60.3	5.0
80°-90°	36.7	3.0
90°-100°	19.1	1.6
100°-110°	2.6	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°	485.0	40.2
0°-40°	676.6	56.0
0°-60°	996.1	82.5
0°-90°	1185.7	98.2
90°-120°	21.7	1.8
90°-150°	21.7	1.8
90°-180°	22.0	1.8
0°-180°	1207.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1045	
5°	1046	98
15°	673	194
25°	415	192
35°	303	192
45°	239	183
55°	151	137
65°	92	93
75°	56	60
85°	33	29
90°	25	14
95°	18	13
105°	1	3
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°	1044.9
2.5°	1046.3
5°	1046.3
7.5°	1038.0
10°	988.6
12.5°	836.2
15°	672.8
17.5°	580.8
20°	512.2
22.5°	457.2
25°	414.7
27.5°	379.0
30°	348.8
32.5°	322.7
35°	303.4
37.5°	288.3
40°	274.6
42.5°	259.5
45°	238.9
47.5°	216.9
50°	193.6
52.5°	171.6
55°	151.0
57.5°	133.2
60°	118.1
62.5°	104.4
65°	92.0
67.5°	82.4
70°	72.8
72.5°	64.5
75°	56.3
77.5°	49.4
80°	43.9
82.5°	38.4
85°	33.0
87.5°	28.8
90°	24.7
92.5°	22.0
95°	17.8
97.5°	13.7
100°	8.2
102.5°	4.1
105°	1.4
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)