

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: P702600

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9027-4LBW1LI-GFF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702600
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-30-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

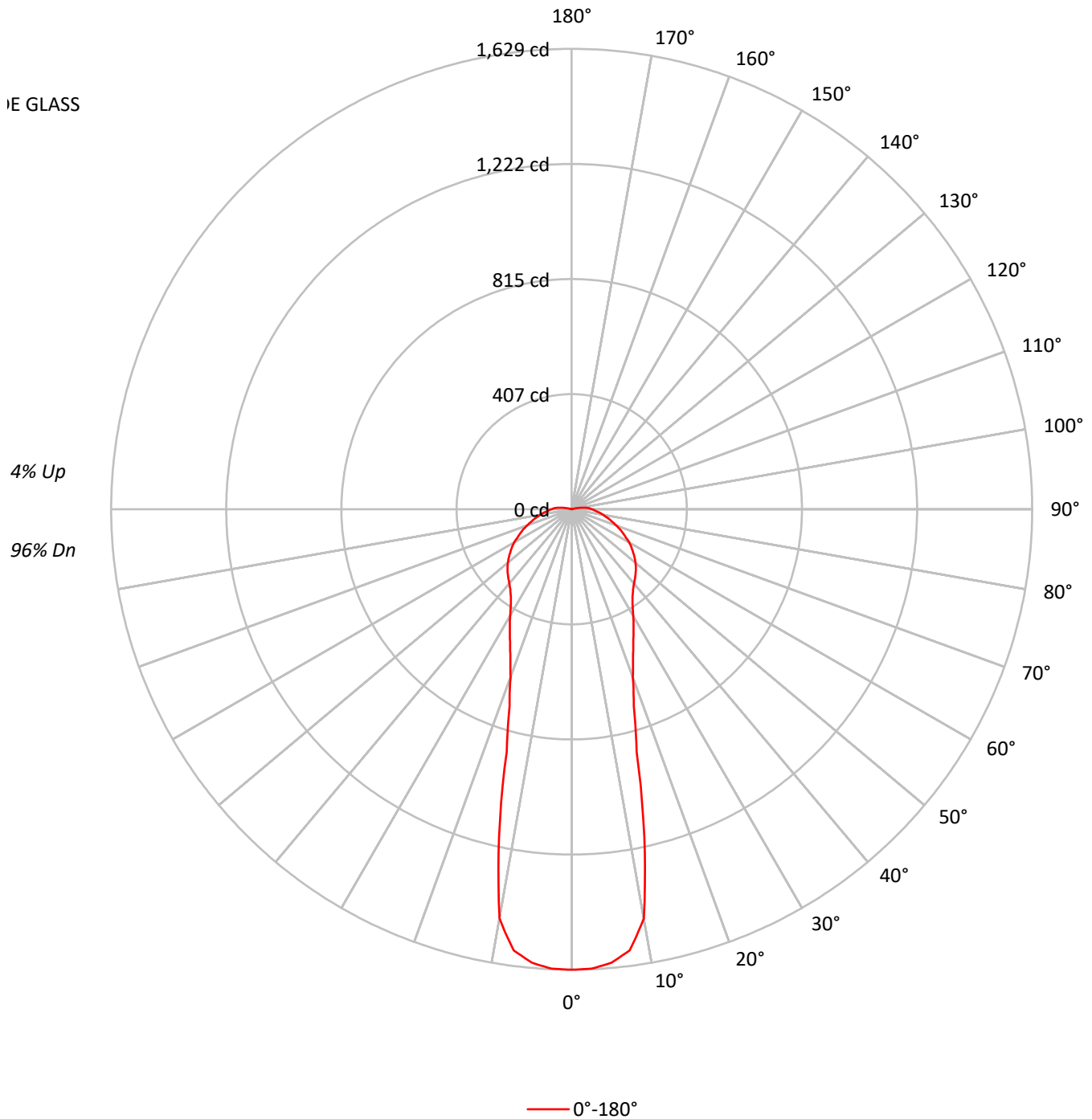
Lumens per Lamp: N/A
Luminaire Lumens: 1885.6 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.63
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 31.6
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°	106284
5°	94268
10°	78563
15°	43968
20°	29387
25°	22703
30°	18352
35°	15302
40°	13635
45°	12502
50°	11405
55°	10229
60°	9126
65°	7891
70°	6765
75°	5729
80°	4860
85°	4058

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12502 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	7.9
10°-20°	260.7	13.8
20°-30°	239.2	12.7
30°-40°	237.8	12.6
40°-50°	246.9	13.1
50°-60°	237.4	12.6
60°-70°	198.6	10.5
70°-80°	146.5	7.8
80°-90°	99.1	5.3
90°-100°	57.5	3.0
100°-110°	12.0	0.6
110°-120°	0.3	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°	649.7	34.5
0°-40°	887.4	47.1
0°-60°	1371.7	72.7
0°-90°	1815.9	96.3
90°-120°	69.7	3.7
90°-150°	69.7	3.7
90°-180°	70.0	3.7
0°-180°	1885.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1629	
5°	1611	150
15°	888	261
25°	515	239
35°	375	238
45°	320	247
55°	265	237
65°	200	199
75°	138	146
85°	90	78
90°	71	39
95°	55	39
105°	9	12
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°	1629.1
2.5°	1626.8
5°	1610.7
7.5°	1573.9
10°	1470.3
12.5°	1187.3
15°	888.2
17.5°	729.4
20°	632.8
22.5°	566.0
25°	515.4
27.5°	474.0
30°	434.9
32.5°	400.4
35°	375.1
37.5°	356.6
40°	342.8
42.5°	331.3
45°	319.8
47.5°	308.3
50°	294.5
52.5°	280.7
55°	264.6
57.5°	250.8
60°	234.7
62.5°	216.3
65°	200.2
67.5°	184.1
70°	168.0
72.5°	151.9
75°	138.1
77.5°	124.3
80°	112.7
82.5°	101.2
85°	89.7
87.5°	80.5
90°	71.3
92.5°	64.4
95°	55.2
97.5°	41.4
100°	27.6
102.5°	16.1
105°	9.2
107.5°	4.6
110°	2.3

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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)