

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: P702681

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9050-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-35-D010 / 340-EU4C-3040-9050-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

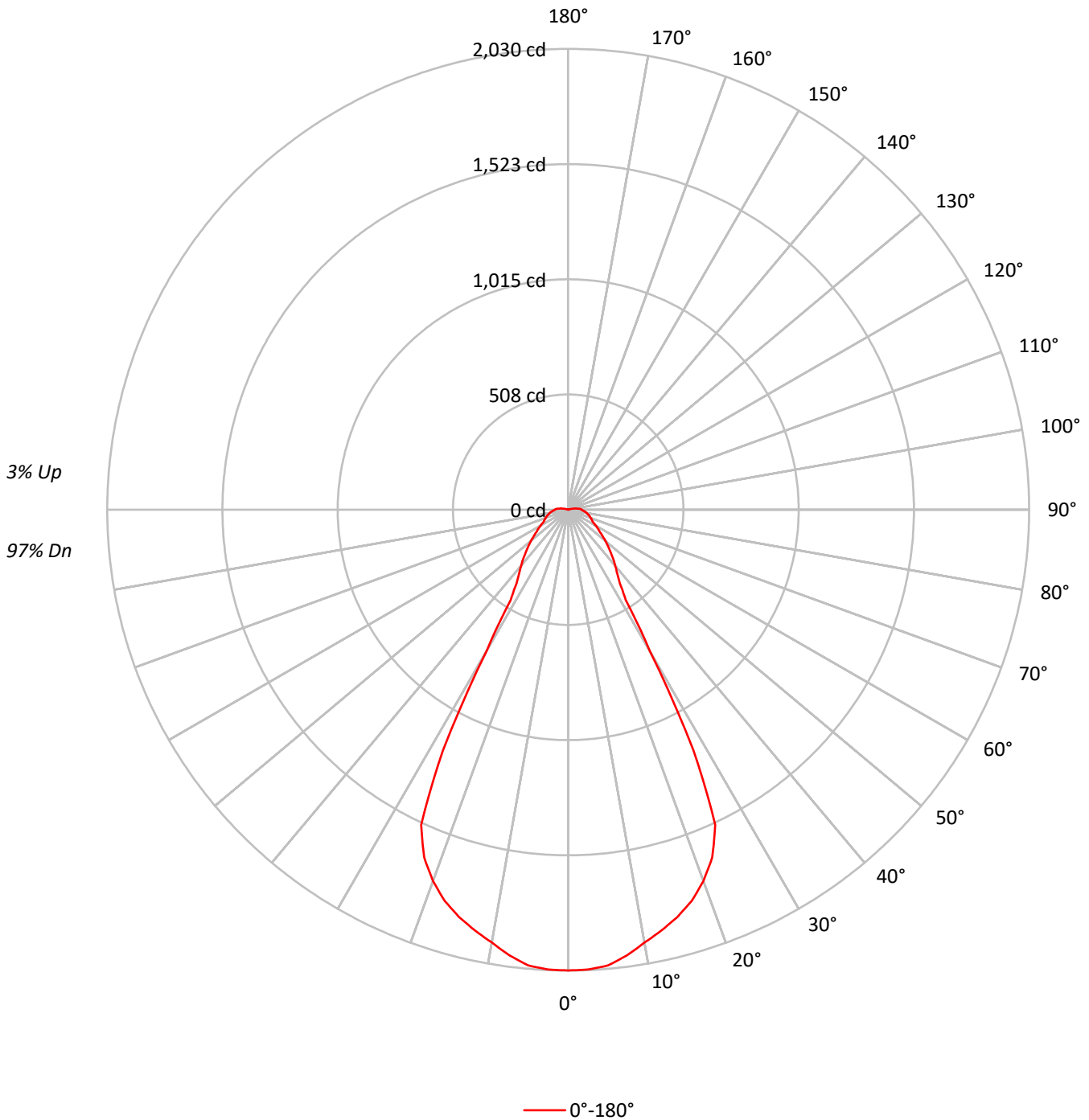
Lumens per Lamp: N/A
Luminaire Lumens: 2337.8 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	110	110	110		104	104	104		99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93		94	92	90		90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82		86	83	80		83	80	78	76
3	96	87	81	76	93	86	80	75	82	77	73		80	75	72		77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66		74	69	65		71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56		64	59	55		63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52		60	55	51		59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48		57	52	48		56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45		54	48	45		53	48	44	43
10	64	53	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	132438
5°	117947
10°	103457
15°	91931
20°	80804
25°	67483
30°	30286
35°	16130
40°	12815
45°	10305
50°	8280
55°	6568
60°	5467
65°	4619
70°	4249
75°	3887
80°	3536
85°	3181

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10305 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.7	8.1
10°-20°	521.7	22.3
20°-30°	636.3	27.2
30°-40°	269.4	11.5
40°-50°	204.4	8.7
50°-60°	154.8	6.6
60°-70°	118.3	5.1
70°-80°	99.1	4.2
80°-90°	76.7	3.3
90°-100°	51.2	2.2
100°-110°	15.2	0.7
110°-120°	1.1	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°	1347.7	57.6
0°-40°	1617.1	69.2
0°-60°	1976.3	84.5
0°-90°	2270.3	97.1
90°-120°	67.5	2.9
90°-150°	67.5	2.9
90°-180°	68.0	2.9
0°-180°	2337.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2030	
5°	2015	190
15°	1857	522
25°	1532	636
35°	395	269
45°	264	204
55°	170	155
65°	117	118
75°	94	99
85°	70	60
90°	59	33
95°	50	36
105°	12	15
115°	0	1
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°	2030.0
2.5°	2027.0
5°	2015.3
7.5°	1980.2
10°	1936.2
12.5°	1898.2
15°	1857.1
17.5°	1807.3
20°	1740.0
22.5°	1658.0
25°	1532.0
27.5°	1195.1
30°	717.7
32.5°	471.6
35°	395.4
37.5°	354.4
40°	322.2
42.5°	292.9
45°	263.6
47.5°	237.3
50°	213.8
52.5°	190.4
55°	169.9
57.5°	155.3
60°	140.6
62.5°	126.0
65°	117.2
67.5°	111.3
70°	105.5
72.5°	99.6
75°	93.7
77.5°	87.9
80°	82.0
82.5°	76.2
85°	70.3
87.5°	64.4
90°	58.6
92.5°	55.7
95°	49.8
97.5°	38.1
100°	29.3
102.5°	20.5
105°	11.7
107.5°	8.8
110°	2.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.9
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)