

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: P702667

Luminaire Tested: 340-6C-35-D010 / 340-EU4C-3040-9035-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702667
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-3040-9035-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

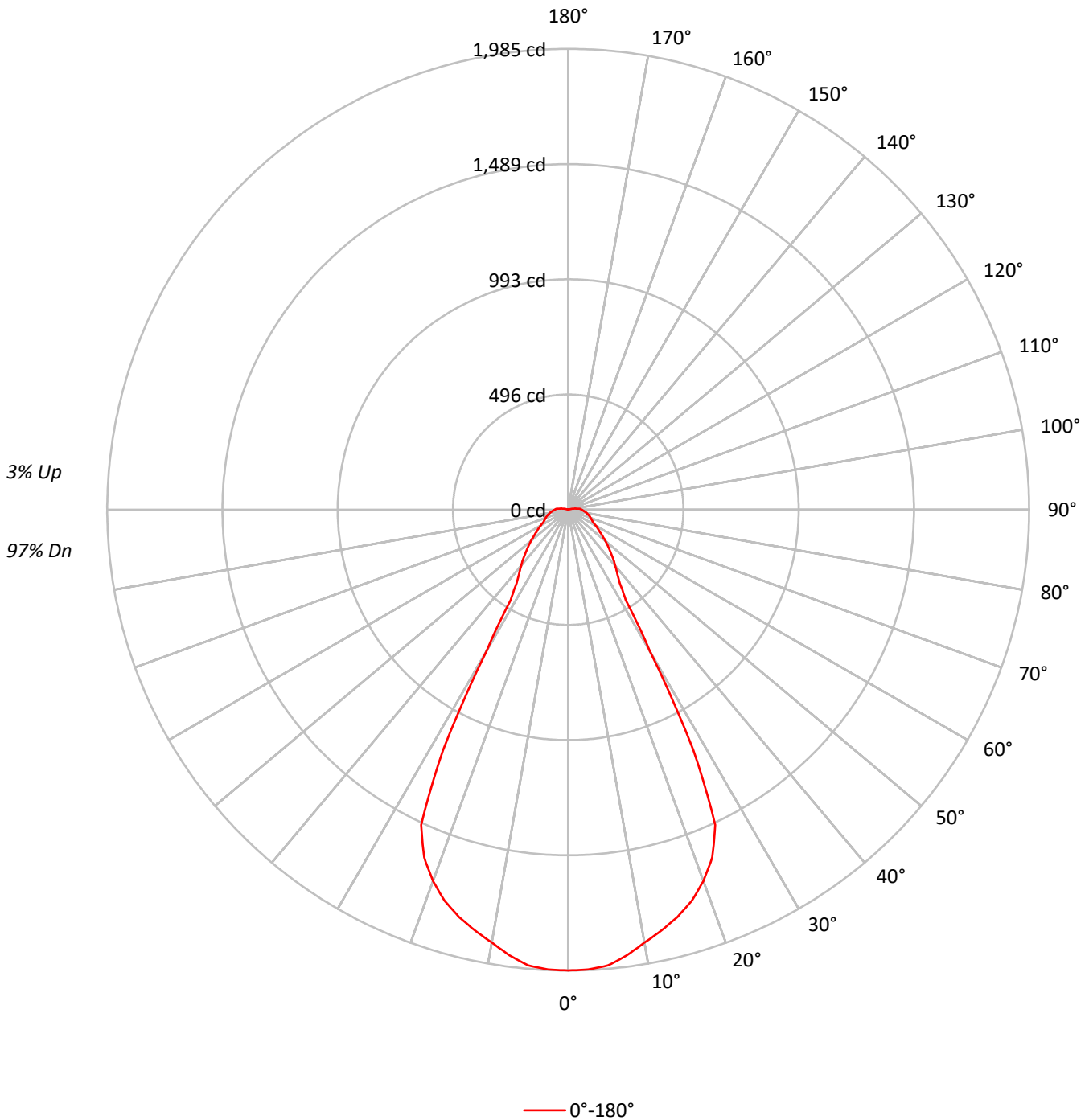
Lumens per Lamp: N/A
Luminaire Lumens: 2286.0 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	83	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°	129496
5°	115331
10°	101165
15°	89891
20°	79012
25°	65985
30°	29611
35°	15775
40°	12533
45°	10078
50°	8098
55°	6421
60°	5347
65°	4517
70°	4152
75°	3804
80°	3458
85°	3108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10078 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.4	8.1
10°-20°	510.1	22.3
20°-30°	622.2	27.2
30°-40°	263.4	11.5
40°-50°	199.9	8.7
50°-60°	151.3	6.6
60°-70°	115.7	5.1
70°-80°	96.9	4.2
80°-90°	75.0	3.3
90°-100°	50.0	2.2
100°-110°	14.9	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°	1317.8	57.6
0°-40°	1581.2	69.2
0°-60°	1932.5	84.5
0°-90°	2220.0	97.1
90°-120°	66.0	2.9
90°-150°	66.0	2.9
90°-180°	66.0	2.9
0°-180°	2286.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1985	
5°	1971	185
15°	1816	510
25°	1498	622
35°	387	263
45°	258	200
55°	166	151
65°	115	116
75°	92	97
85°	69	58
90°	57	32
95°	49	35
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°	1984.9
2.5°	1982.1
5°	1970.6
7.5°	1936.2
10°	1893.3
12.5°	1856.0
15°	1815.9
17.5°	1767.3
20°	1701.4
22.5°	1621.2
25°	1498.0
27.5°	1168.6
30°	701.7
32.5°	461.1
35°	386.7
37.5°	346.6
40°	315.1
42.5°	286.4
45°	257.8
47.5°	232.0
50°	209.1
52.5°	186.2
55°	166.1
57.5°	151.8
60°	137.5
62.5°	123.2
65°	114.6
67.5°	108.8
70°	103.1
72.5°	97.4
75°	91.7
77.5°	85.9
80°	80.2
82.5°	74.5
85°	68.7
87.5°	63.0
90°	57.3
92.5°	54.4
95°	48.7
97.5°	37.2
100°	28.6
102.5°	20.0
105°	11.5
107.5°	8.6
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)