

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: P702289

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9050-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702289
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-05-D010 / 340-EU4C-1020-9050-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

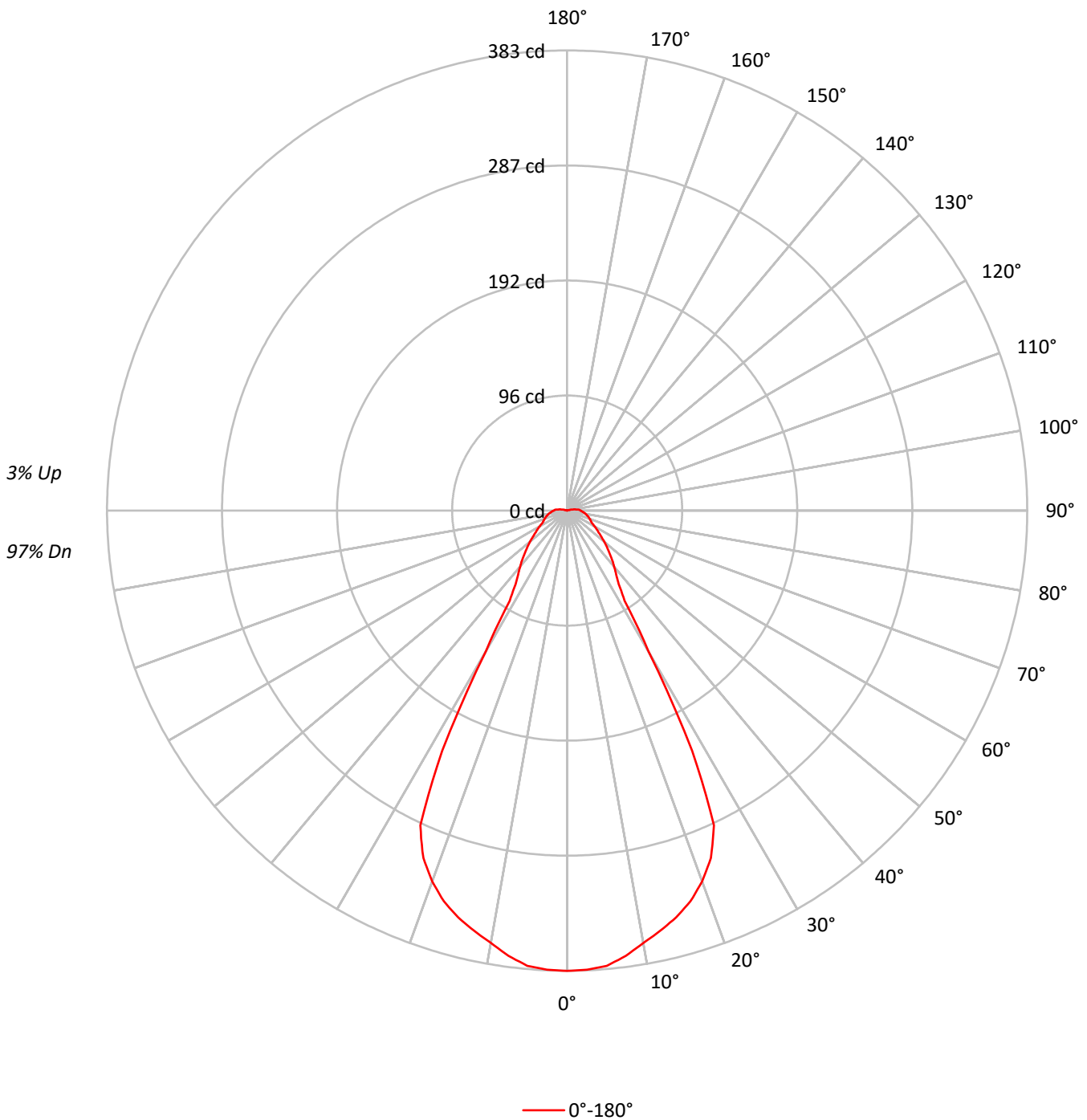
Lumens per Lamp: N/A
Luminaire Lumens: 441.3 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 7.2
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°	24994
5°	22257
10°	19524
15°	17351
20°	15251
25°	12735
30°	5714
35°	3043
40°	2418
45°	1947
50°	1565
55°	1241
60°	1030
65°	871
70°	801
75°	734
80°	668
85°	602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1947 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	8.1
10°-20°	98.5	22.3
20°-30°	120.1	27.2
30°-40°	50.8	11.5
40°-50°	38.6	8.7
50°-60°	29.2	6.6
60°-70°	22.3	5.1
70°-80°	18.7	4.2
80°-90°	14.5	3.3
90°-100°	9.7	2.2
100°-110°	2.9	0.7
110°-120°	0.2	0.1
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°	254.3	57.6
0°-40°	305.2	69.2
0°-60°	373.0	84.5
0°-90°	428.5	97.1
90°-120°	12.8	2.9
90°-150°	12.8	2.9
90°-180°	13.0	2.9
0°-180°	441.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	383	
5°	380	36
15°	350	98
25°	289	120
35°	75	51
45°	50	39
55°	32	29
65°	22	22
75°	18	19
85°	13	11
90°	11	6
95°	9	7
105°	2	3
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	383.1
2.5°	382.5
5°	380.3
7.5°	373.7
10°	365.4
12.5°	358.2
15°	350.5
17.5°	341.1
20°	328.4
22.5°	312.9
25°	289.1
27.5°	225.5
30°	135.4
32.5°	89.0
35°	74.6
37.5°	66.9
40°	60.8
42.5°	55.3
45°	49.8
47.5°	44.8
50°	40.4
52.5°	35.9
55°	32.1
57.5°	29.3
60°	26.5
62.5°	23.8
65°	22.1
67.5°	21.0
70°	19.9
72.5°	18.8
75°	17.7
77.5°	16.6
80°	15.5
82.5°	14.4
85°	13.3
87.5°	12.2
90°	11.1
92.5°	10.5
95°	9.4
97.5°	7.2
100°	5.5
102.5°	3.9
105°	2.2
107.5°	1.7
110°	0.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.6
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)