

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: P702639

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9730-4LBW1LI-FF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702639
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-30-D010 / 340-EU4C-3040-9730-4LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

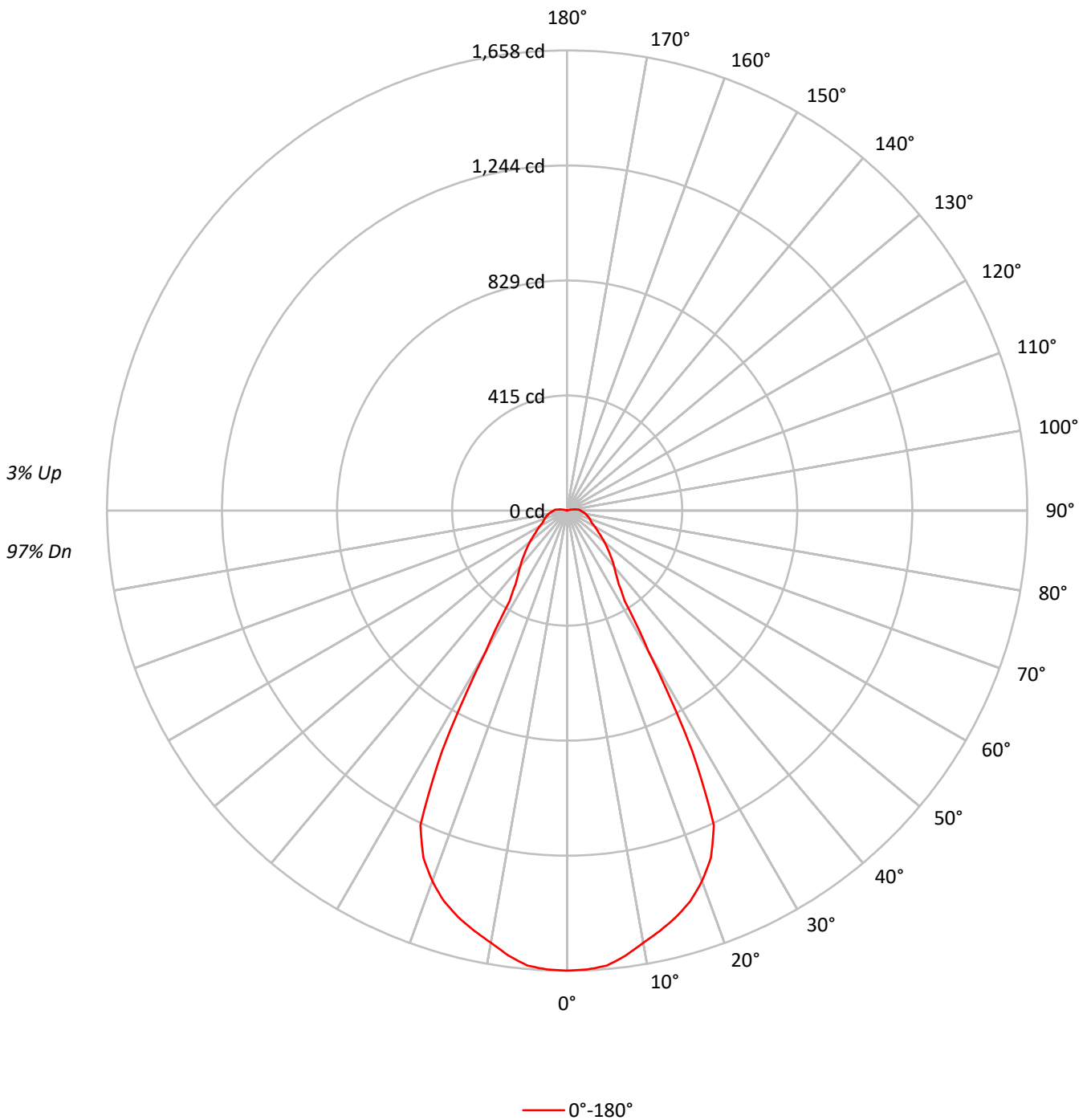
Lumens per Lamp: N/A
Luminaire Lumens: 1909.0 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

Input Watts (W): 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	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°	108143
5°	96310
10°	84478
15°	75070
20°	65981
25°	55105
30°	24728
35°	13173
40°	10465
45°	8417
50°	6762
55°	5362
60°	4464
65°	3772
70°	3467
75°	3174
80°	2889
85°	2597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8417 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.9	8.1
10°-20°	426.0	22.3
20°-30°	519.6	27.2
30°-40°	220.0	11.5
40°-50°	166.9	8.7
50°-60°	126.4	6.6
60°-70°	96.6	5.1
70°-80°	80.9	4.2
80°-90°	62.6	3.3
90°-100°	41.8	2.2
100°-110°	12.4	0.7
110°-120°	0.9	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°	1100.5	57.6
0°-40°	1320.5	69.2
0°-60°	1613.8	84.5
0°-90°	1853.9	97.1
90°-120°	55.1	2.9
90°-150°	55.1	2.9
90°-180°	55.0	2.9
0°-180°	1909.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1658	
5°	1646	155
15°	1516	426
25°	1251	520
35°	323	220
45°	215	167
55°	139	126
65°	96	97
75°	76	81
85°	57	49
90°	48	27
95°	41	29
105°	10	12
115°	0	1
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°	1657.6
2.5°	1655.2
5°	1645.6
7.5°	1616.9
10°	1581.0
12.5°	1550.0
15°	1516.5
17.5°	1475.8
20°	1420.8
22.5°	1353.8
25°	1251.0
27.5°	975.9
30°	586.0
32.5°	385.1
35°	322.9
37.5°	289.4
40°	263.1
42.5°	239.2
45°	215.3
47.5°	193.7
50°	174.6
52.5°	155.5
55°	138.7
57.5°	126.8
60°	114.8
62.5°	102.9
65°	95.7
67.5°	90.9
70°	86.1
72.5°	81.3
75°	76.5
77.5°	71.8
80°	67.0
82.5°	62.2
85°	57.4
87.5°	52.6
90°	47.8
92.5°	45.4
95°	40.7
97.5°	31.1
100°	23.9
102.5°	16.7
105°	9.6
107.5°	7.2
110°	2.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.4
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)