

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: P702609

Luminaire Tested: 340-6C-30-D010 / 340-EU4C-3040-9035-4LBW1LI-CF

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-30-D010 / 340-EU4C-3040-9035-4LBW1LI-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

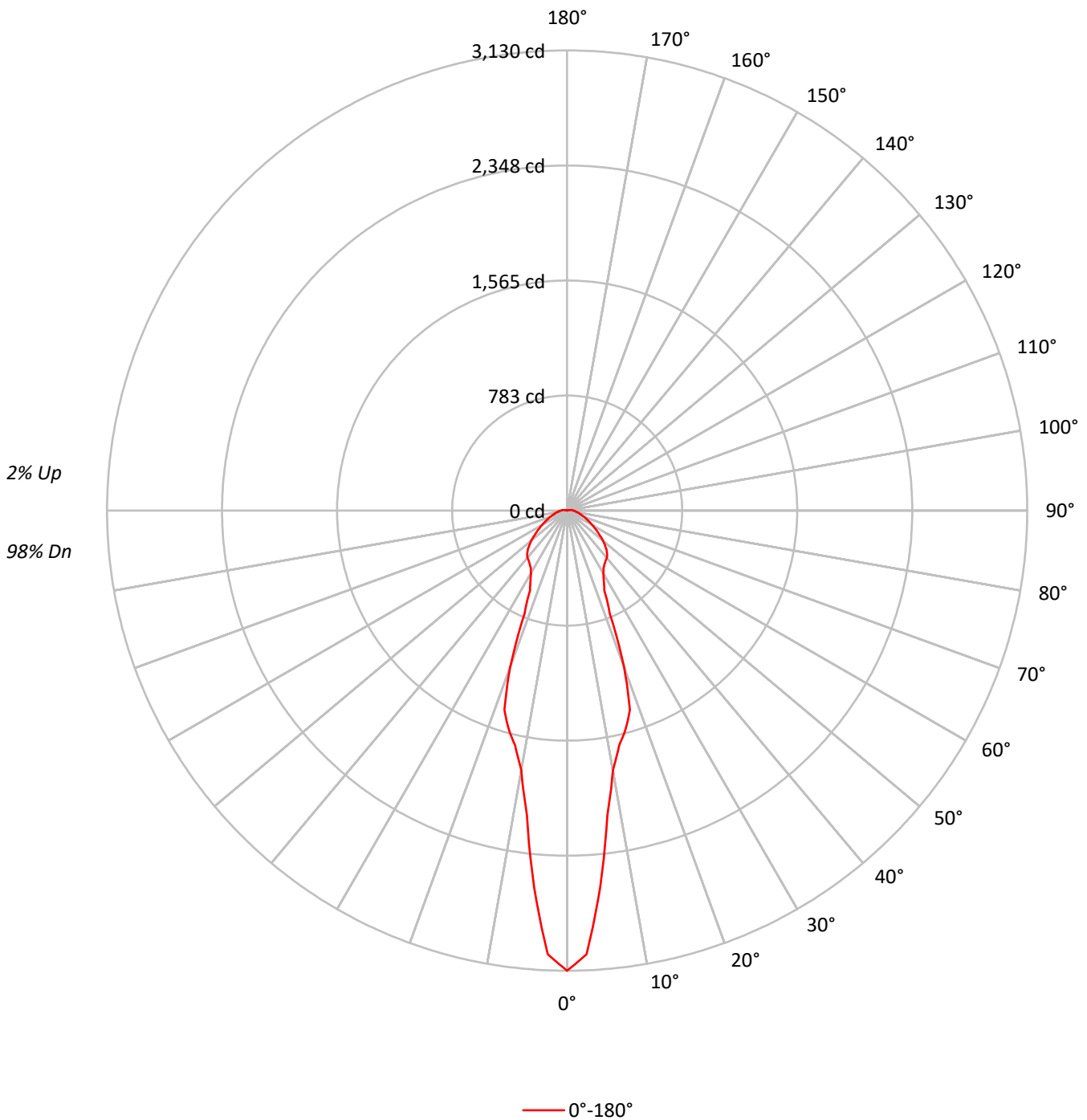
Lumens per Lamp: N/A
Luminaire Lumens: 2103.6 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	109	105	101	98	107	103	99	96	98	95	93		94	92	90		90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80		85	81	78		82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70		77	73	69		75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63		71	66	62		69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56		66	60	56		64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52		61	55	51		59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44		53	48	44		52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41		50	45	41		49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	204203
5°	150663
10°	95811
15°	76149
20°	52509
25°	26399
30°	20783
35°	18113
40°	16697
45°	14797
50°	12307
55°	9753
60°	7738
65°	6121
70°	4788
75°	3825
80°	3139
85°	2525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14797 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.2	10.4
10°-20°	420.9	20.0
20°-30°	305.6	14.5
30°-40°	280.4	13.3
40°-50°	289.2	13.7
50°-60°	227.3	10.8
60°-70°	154.6	7.3
70°-80°	99.0	4.7
80°-90°	61.2	2.9
90°-100°	35.4	1.7
100°-110°	10.7	0.5
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°	945.6	45.0
0°-40°	1226.0	58.3
0°-60°	1742.5	82.8
0°-90°	2057.2	97.8
90°-120°	46.4	2.2
90°-150°	46.4	2.2
90°-180°	46.0	2.2
0°-180°	2103.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3130	
5°	2574	219
15°	1538	421
25°	599	306
35°	444	280
45°	378	289
55°	252	227
65°	155	155
75°	92	99
85°	56	49
90°	41	23
95°	34	24
105°	10	11
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°	3130.0
2.5°	3020.8
5°	2574.3
7.5°	2091.5
10°	1793.1
12.5°	1635.3
15°	1538.3
17.5°	1419.4
20°	1130.7
22.5°	757.0
25°	599.3
27.5°	538.6
30°	492.5
32.5°	461.0
35°	444.0
37.5°	429.5
40°	419.8
42.5°	402.8
45°	378.5
47.5°	349.4
50°	317.8
52.5°	283.9
55°	252.3
57.5°	223.2
60°	199.0
62.5°	174.7
65°	155.3
67.5°	135.9
70°	118.9
72.5°	104.3
75°	92.2
77.5°	82.5
80°	72.8
82.5°	63.1
85°	55.8
87.5°	48.5
90°	41.2
92.5°	38.8
95°	34.0
97.5°	26.7
100°	19.4
102.5°	14.6
105°	9.7
107.5°	4.9
110°	2.4

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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)