

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: P702734

Luminaire Tested: 340-6C-40-D010 / 340-EU4C-3040-9050-4LBW1LI-CC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-11)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-40-D010 / 340-EU4C-3040-9050-4LBW1LI-CC
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

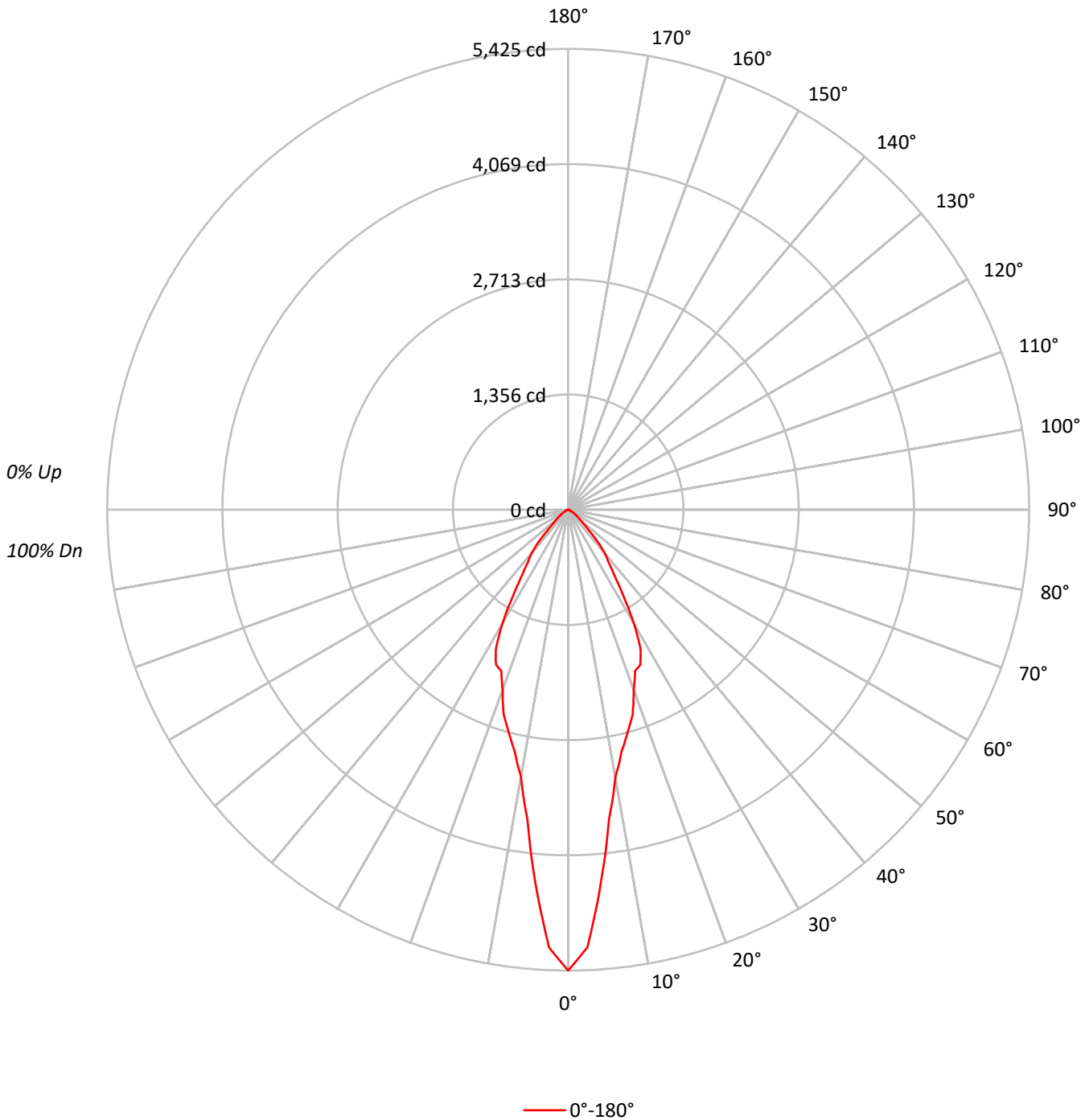
Lumens per Lamp: N/A
Luminaire Lumens: 3116.1 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.71
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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

TEST NUMBER: P702734

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9050-4LBW1LI-CC

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	111	111	111		106	106	106		102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76		83	79	75		81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70		78	73	70		76	72	69	68
6	86	77	71	66	85	76	70	66	74	69	65		73	68	65		72	68	64	63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	61		68	63	60	59
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64	60	56	55
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61	56	53	52
10	70	60	54	50	69	60	54	50	59	54	50		58	53	50		58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	353930
5°	288987
10°	211759
15°	182863
20°	156601
25°	144762
30°	116691
35°	75757
40°	57282
45°	31970
50°	18614
55°	12364
60°	8416
65°	5249
70°	4540
75°	3428
80°	2555
85°	2545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.5	12.2
10°-20°	757.6	24.3
20°-30°	895.7	28.7
30°-40°	626.7	20.1
40°-50°	292.4	9.4
50°-60°	101.5	3.3
60°-70°	38.6	1.2
70°-80°	15.7	0.5
80°-90°	3.7	0.1
90°-100°	2.3	0.1
100°-110°	1.4	0.0
110°-120°	0.0	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°	2034.8	65.3
0°-40°	2661.5	85.4
0°-60°	3055.4	98.1
0°-90°	3113.4	99.9
90°-120°	3.7	0.1
90°-150°	3.7	0.1
90°-180°	4.0	0.1
0°-180°	3116.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5425	
5°	4413	382
15°	2707	758
25°	2011	896
35°	951	627
45°	346	292
55°	109	101
65°	34	39
75°	14	16
85°	3	3
90°	0	0
95°	0	1
105°	0	1
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°	5425.0
2.5°	5156.6
5°	4412.7
7.5°	3678.9
10°	3196.5
12.5°	2911.2
15°	2707.4
17.5°	2523.9
20°	2255.6
22.5°	2055.2
25°	2011.0
27.5°	1841.2
30°	1549.0
32.5°	1219.5
35°	951.2
37.5°	777.9
40°	672.6
42.5°	523.1
45°	346.5
47.5°	241.2
50°	183.4
52.5°	139.3
55°	108.7
57.5°	84.9
60°	64.5
62.5°	47.6
65°	34.0
67.5°	30.6
70°	23.8
72.5°	20.4
75°	13.6
77.5°	10.2
80°	6.8
82.5°	3.4
85°	3.4
87.5°	3.4
90°	0.0
92.5°	0.0
95°	0.0
97.5°	3.4
100°	3.4
102.5°	3.4
105°	0.0
107.5°	0.0
110°	0.0

TEST NUMBER: P702734

CATALOG NUMBER: 340-6C-40-D010 / 340-EU4C-3040-9050-4LBW1LI-CC

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)