

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: P702283

Luminaire Tested: 340-6C-05-D010 / 340-EU4C-1020-9040-4LBW1LI-GCC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P702283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-16)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-6C-05-D010 / 340-EU4C-1020-9040-4LBW1LI-GCC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE, CLEAR OUTSIDE GLA
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

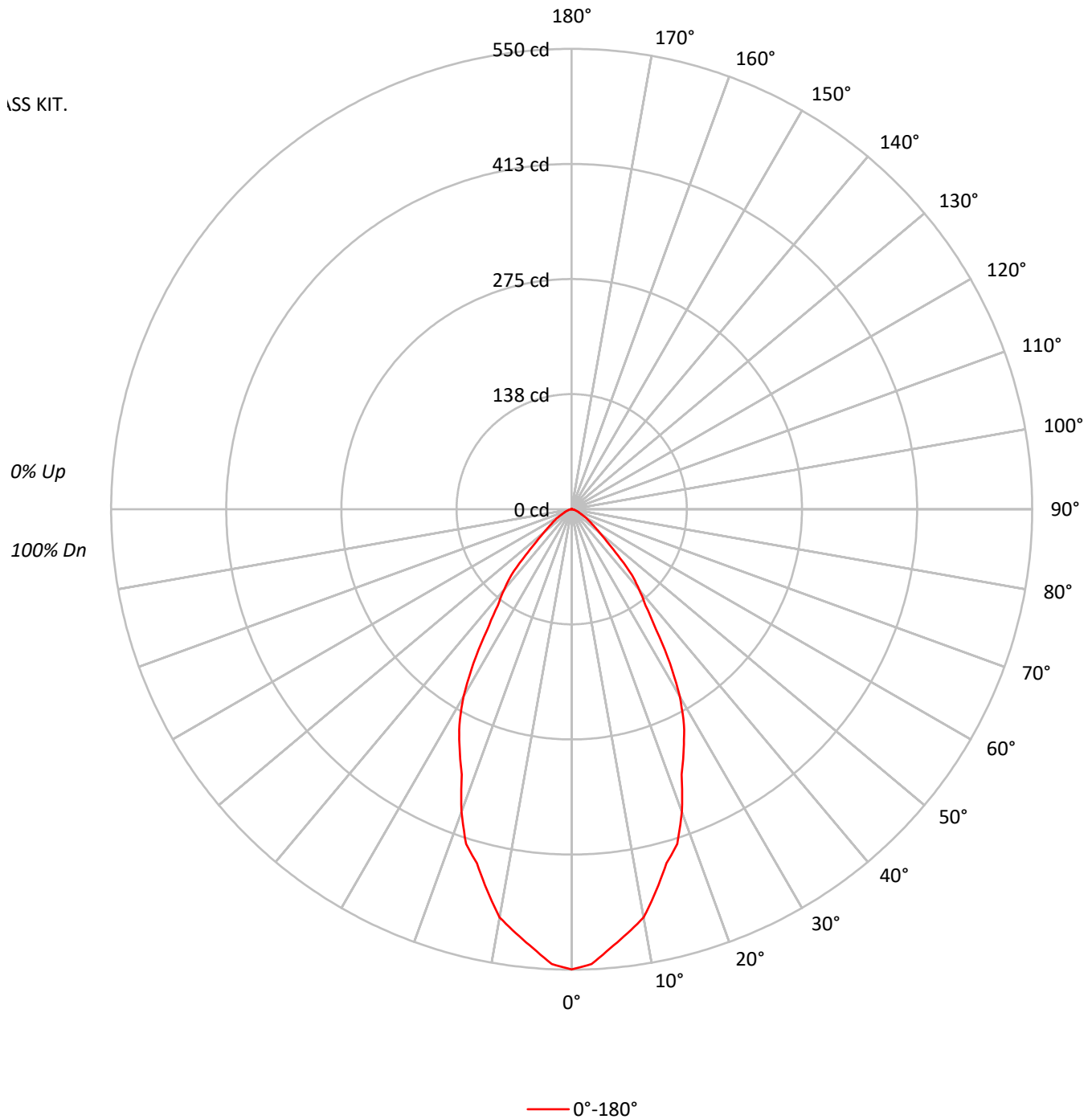
Lumens per Lamp: N/A
Luminaire Lumens: 537.2 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.89
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	101	96	92	104	99	95	91	96	92	89	92	90	87	90	87	85	84
3	100	93	87	83	98	91	86	82	88	84	81	86	82	79	84	81	78	76
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59
7	79	69	62	58	78	68	62	57	67	61	57	66	60	57	64	60	56	55
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35863
5°	34480
10°	32799
15°	29563
20°	26709
25°	22783
30°	19444
35°	14009
40°	10688
45°	7187
50°	4446
55°	3196
60°	2336
65°	1590
70°	1335
75°	1084
80°	1014
85°	823

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7187 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	9.2
10°-20°	123.5	23.0
20°-30°	145.5	27.1
30°-40°	113.2	21.1
40°-50°	62.1	11.6
50°-60°	25.9	4.8
60°-70°	11.0	2.0
70°-80°	4.7	0.9
80°-90°	1.3	0.2
90°-100°	0.5	0.1
100°-110°	0.3	0.1
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°	318.3	59.3
0°-40°	431.5	80.3
0°-60°	519.4	96.7
0°-90°	536.4	99.8
90°-120°	0.9	0.2
90°-150°	0.9	0.2
90°-180°	1.0	0.2
0°-180°	537.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	550	
5°	526	49
15°	438	123
25°	316	146
35°	176	113
45°	78	62
55°	28	26
65°	10	11
75°	4	5
85°	1	1
90°	0	0
95°	0	0
105°	0	0
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°	549.7
2.5°	543.8
5°	526.5
7.5°	510.8
10°	495.1
12.5°	466.4
15°	437.7
17.5°	419.3
20°	384.7
22.5°	343.1
25°	316.5
27.5°	290.6
30°	258.1
32.5°	218.6
35°	175.9
37.5°	145.0
40°	125.5
42.5°	106.6
45°	77.9
47.5°	56.3
50°	43.8
52.5°	34.6
55°	28.1
57.5°	22.7
60°	17.9
62.5°	13.0
65°	10.3
67.5°	8.7
70°	7.0
72.5°	5.4
75°	4.3
77.5°	3.2
80°	2.7
82.5°	1.6
85°	1.1
87.5°	0.5
90°	0.5
92.5°	0.5
95°	0.5
97.5°	0.5
100°	0.5
102.5°	0.5
105°	0.5
107.5°	0.0
110°	0.0

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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)