

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: P701800

Luminaire Tested: 340-4C-05-D010 / 340-EU4C-1020-9730-4LBW1LI-GCC

Issue Date: 8/30/2023

Test Information

Test Method: LM-79-2019
Report Number: P701800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-8)
Test Lab: INNOVATION CENTER
Issue Date: 8/30/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 340-4C-05-D010 / 340-EU4C-1020-9730-4LBW1LI-GCC
Description: FARALLON 4" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE, CLEAR OUTSIDE GLA
Light Source: 3000K CCT, 97 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

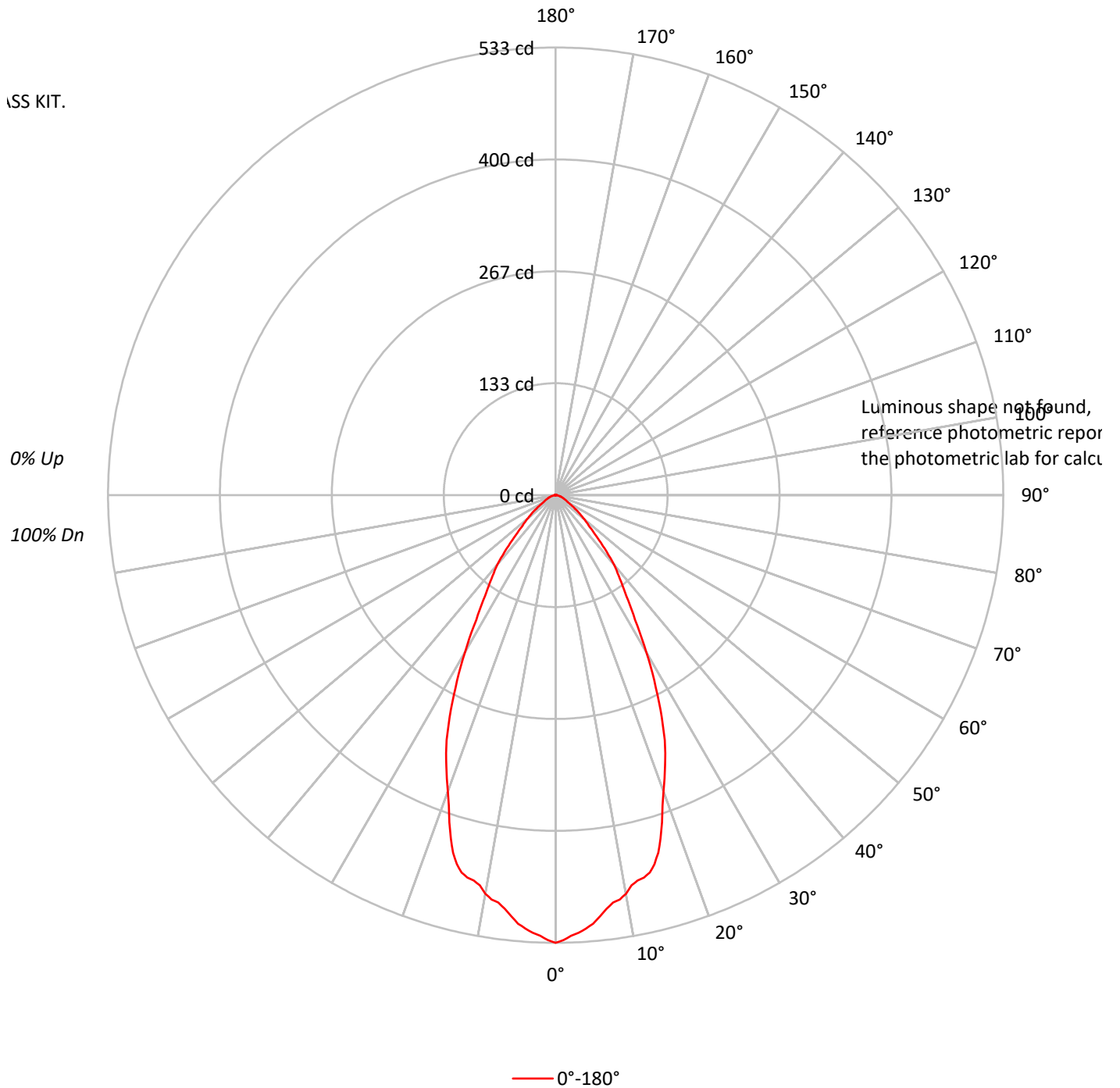
Lumens per Lamp: N/A
Luminaire Lumens: 502.8 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.83
Luminous Opening: (L: -0.34 ' x W: 0 ' x H: 0 '
CIE Type: Direct

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



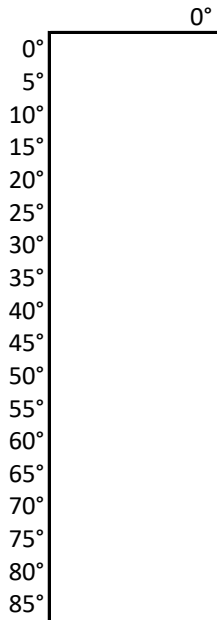
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91
2	106	101	96	92	104	99	95	91	95	92	89	92	89	87	90	87	85	83				83
3	100	93	87	83	98	91	86	82	88	84	80	86	82	79	84	81	78	76				76
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70				70
5	89	80	73	68	87	79	72	68	77	71	67	75	70	67	73	69	66	64				64
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60				60
7	79	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55				55
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	56	53	52				52
9	71	61	55	50	70	61	54	50	60	54	50	59	53	50	58	53	50	48				48
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
 Vertical Angle: -
 Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	9.5
10°-20°	123.9	24.6
20°-30°	136.3	27.1
30°-40°	94.5	18.8
40°-50°	53.9	10.7
50°-60°	25.6	5.1
60°-70°	12.1	2.4
70°-80°	5.9	1.2
80°-90°	1.7	0.3
90°-100°	0.6	0.1
100°-110°	0.4	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°	308.0	61.3
0°-40°	402.5	80.1
0°-60°	482.0	95.9
0°-90°	501.8	99.8
90°-120°	1.0	0.2
90°-150°	1.0	0.2
90°-180°	1.0	0.2
0°-180°	502.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	533	
5°	512	48
15°	455	124
25°	302	136
35°	147	95
45°	66	54
55°	28	26
65°	12	12
75°	6	6
85°	2	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°	533.0
1°	529.9
2°	524.9
3°	521.9
4°	517.3
5°	512.2
6°	504.2
7°	496.1
8°	490.0
9°	487.5
10°	481.9
11°	473.3
12°	469.3
13°	467.2
14°	463.2
15°	454.6
16°	443.0
17°	427.3
18°	409.6
19°	390.9
20°	375.2
21°	361.6
22°	347.9
23°	333.7
24°	319.1
25°	301.9
27.5°	258.4
30°	215.9
32.5°	176.0
35°	146.6
37.5°	125.4
40°	108.2
42.5°	86.5
45°	66.2
47.5°	53.1
50°	44.0
52.5°	35.9
55°	27.8
57.5°	21.2
60°	16.7
62.5°	14.2
65°	12.1
67.5°	10.1
70°	8.6
72.5°	7.1

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CANDELA DISTRIBUTION (continued):

	0°
75°	5.6
77.5°	4.0
80°	3.0
82.5°	2.0
85°	1.5
87.5°	1.0
90°	0.5
92.5°	0.5
95°	0.5
97.5°	0.5
100°	1.0
102.5°	0.5
105°	0.5
107.5°	0.0
110°	0.0
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)