

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: SHAPER

Report Number: P229173

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-CC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-11)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-CC
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2179.9 lumens
Efficiency: N/A
Efficacy: 52.1 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

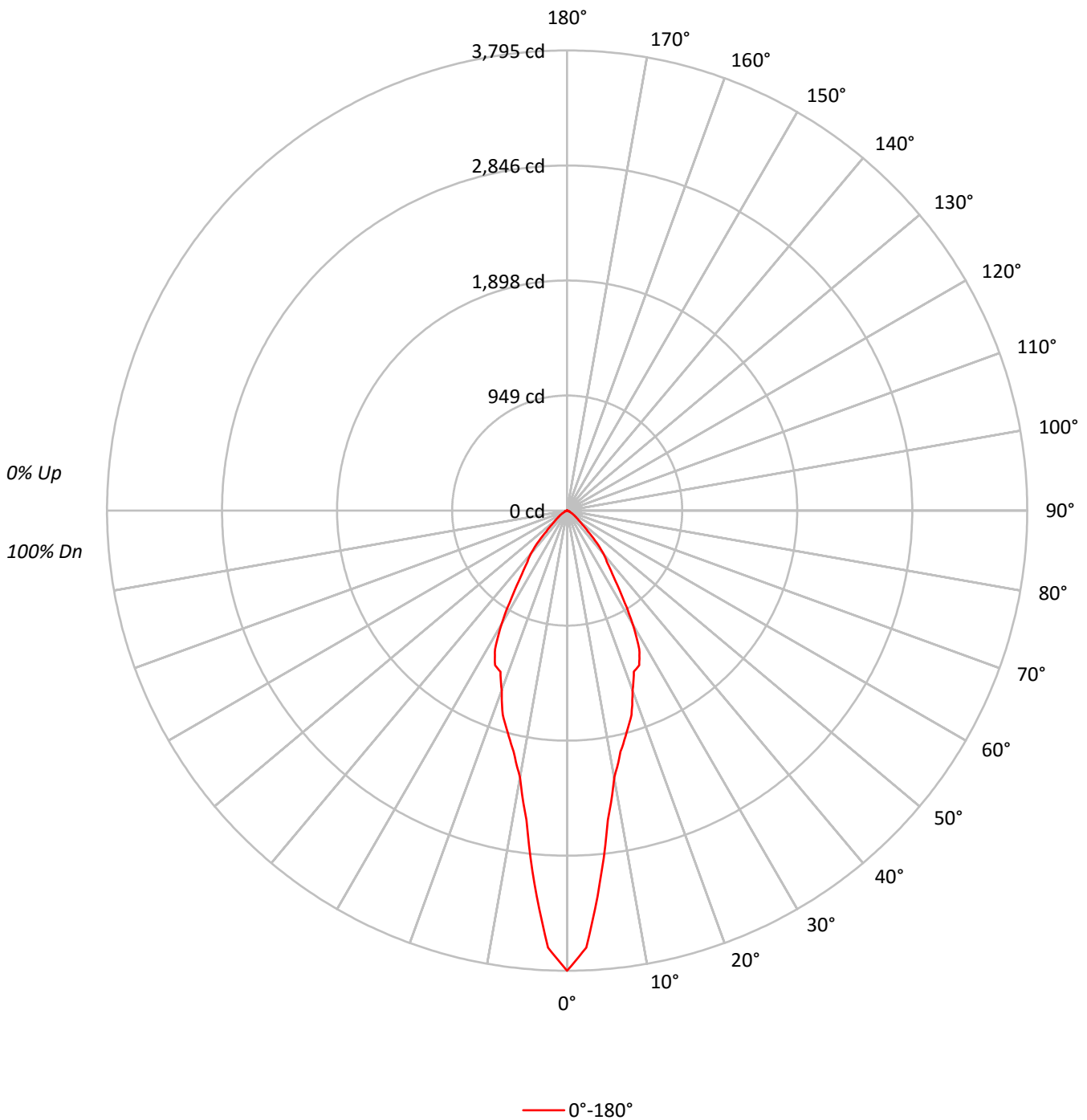
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P229173

CATALOG NUMBER: 340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-CC

Luminous Intensity Polar Plot





TEST NUMBER: P229173

CATALOG NUMBER: 340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-CC

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°	247582
5°	202154
10°	148135
15°	127918
20°	109550
25°	101269
30°	81631
35°	52995
40°	40070
45°	22365
50°	13022
55°	8645
60°	5885
65°	3674
70°	3166
75°	2395
80°	1803
85°	1797



TEST NUMBER: P229173

CATALOG NUMBER: 340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-CC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.9	12.2
10°-20°	530.0	24.3
20°-30°	626.6	28.7
30°-40°	438.4	20.1
40°-50°	204.6	9.4
50°-60°	71.0	3.3
60°-70°	27.0	1.2
70°-80°	11.0	0.5
80°-90°	2.6	0.1
90°-100°	1.6	0.1
100°-110°	1.0	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°	1423.4	65.3
0°-40°	1861.9	85.4
0°-60°	2137.4	98.1
0°-90°	2177.9	99.9
90°-120°	2.6	0.1
90°-150°	2.6	0.1
90°-180°	3.0	0.1
0°-180°	2179.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3795	
5°	3087	267
15°	1894	530
25°	1407	627
35°	665	438
45°	242	205
55°	76	71
65°	24	27
75°	10	11
85°	2	2
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



TEST NUMBER: P229173

CATALOG NUMBER: 340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-CC

CANDELA DISTRIBUTION (FULL):

0°	
0°	3794.9
2.5°	3607.2
5°	3086.8
7.5°	2573.5
10°	2236.1
12.5°	2036.5
15°	1893.9
17.5°	1765.6
20°	1577.9
22.5°	1437.7
25°	1406.8
27.5°	1288.0
30°	1083.6
32.5°	853.1
35°	665.4
37.5°	544.2
40°	470.5
42.5°	365.9
45°	242.4
47.5°	168.7
50°	128.3
52.5°	97.4
55°	76.0
57.5°	59.4
60°	45.1
62.5°	33.3
65°	23.8
67.5°	21.4
70°	16.6
72.5°	14.3
75°	9.5
77.5°	7.1
80°	4.8
82.5°	2.4
85°	2.4
87.5°	2.4
90°	0.0
92.5°	0.0
95°	0.0
97.5°	2.4
100°	2.4
102.5°	2.4
105°	0.0
107.5°	0.0
110°	0.0



TEST NUMBER: P229173

CATALOG NUMBER: 340-6B-40-D010 / 340-EU6B-3040-9024-6LBW1LI-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)