

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: P229266

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9024-6LBW1LI-GFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-15)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 340-6B-10-D010 / 340-EU6B-1020-9024-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 2400K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 532.1 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.74
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

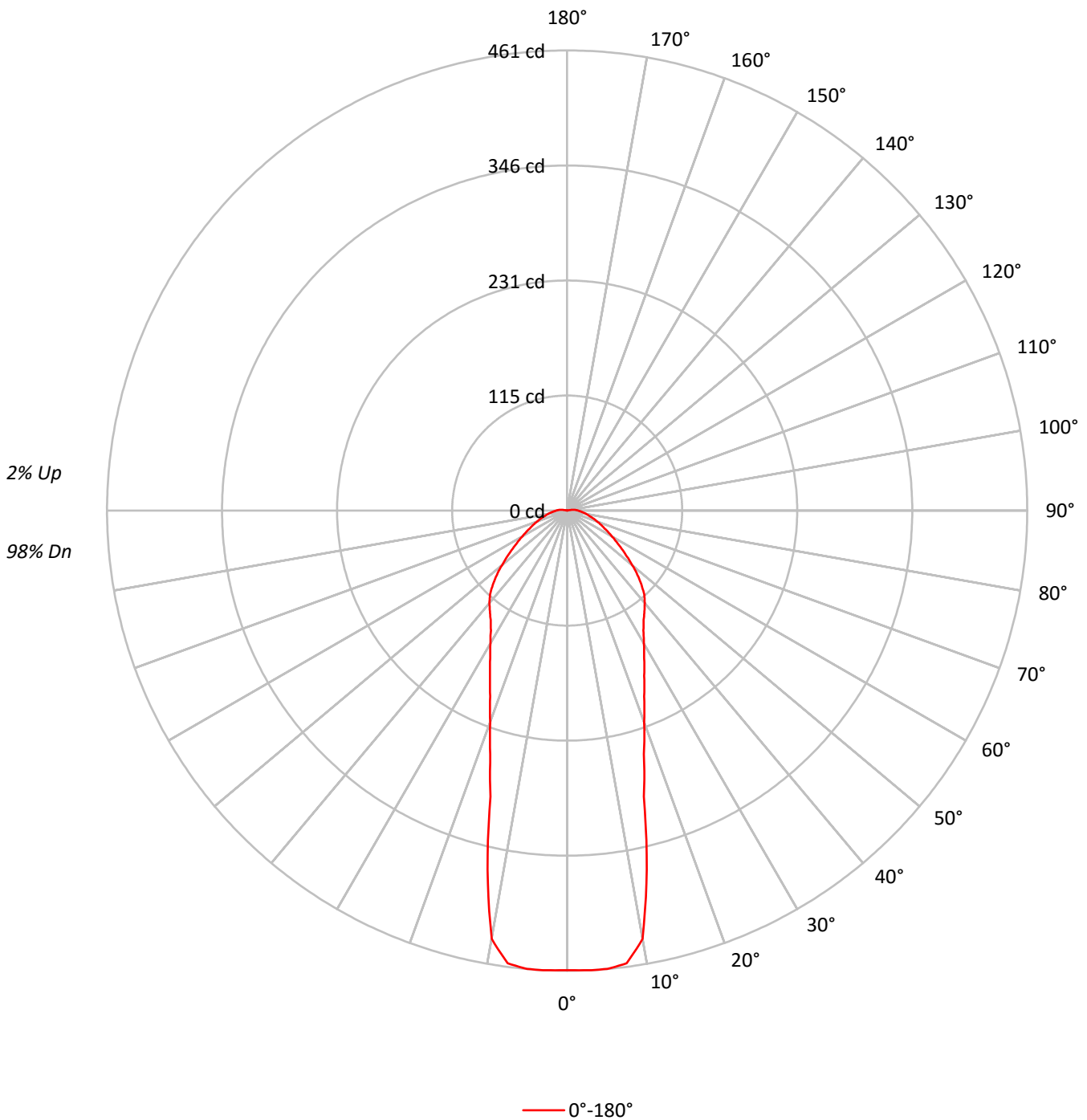
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P229266

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9024-6LBW1LI-GFC

Luminous Intensity Polar Plot





TEST NUMBER: P229266

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9024-6LBW1LI-GFC

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	97	106	102	99	96	98	95	92		94	91	89		90	88	86	84
2	101	93	87	82	98	91	86	81	88	83	79		84	80	77		81	78	75	73
3	93	84	76	71	91	82	75	70	79	73	69		76	71	67		73	69	66	64
4	86	76	68	62	84	74	67	61	72	65	60		69	64	60		67	62	59	57
5	81	69	61	55	78	68	60	55	66	59	54		64	58	53		62	57	53	51
6	75	63	55	50	73	62	55	49	60	54	49		59	53	48		57	52	48	46
7	71	58	51	45	69	58	50	45	56	49	44		54	49	44		53	48	44	42
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	38
9	63	51	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30037
5°	26980
10°	23275
15°	14677
20°	10481
25°	8048
30°	6486
35°	5454
40°	4813
45°	4117
50°	3303
55°	2575
60°	2022
65°	1596
70°	1293
75°	1029
80°	837
85°	656



TEST NUMBER: P229266

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9024-6LBW1LI-GFC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	8.1
10°-20°	85.6	16.1
20°-30°	84.8	15.9
30°-40°	84.5	15.9
40°-50°	80.6	15.2
50°-60°	60.2	11.3
60°-70°	40.8	7.7
70°-80°	26.6	5.0
80°-90°	16.2	3.0
90°-100°	8.5	1.6
100°-110°	1.1	0.2
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°	213.7	40.2
0°-40°	298.2	56.0
0°-60°	439.0	82.5
0°-90°	522.5	98.2
90°-120°	9.6	1.8
90°-150°	9.6	1.8
90°-180°	10.0	1.9
0°-180°	532.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	460	
5°	461	43
15°	296	86
25°	183	85
35°	134	84
45°	105	81
55°	67	60
65°	40	41
75°	25	27
85°	14	13
90°	11	6
95°	8	6
105°	1	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: P229266

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9024-6LBW1LI-GFC

CANDELA DISTRIBUTION (FULL):

0°	
0°	460.4
2.5°	461.0
5°	461.0
7.5°	457.4
10°	435.6
12.5°	368.5
15°	296.5
17.5°	255.9
20°	225.7
22.5°	201.5
25°	182.7
27.5°	167.0
30°	153.7
32.5°	142.2
35°	133.7
37.5°	127.1
40°	121.0
42.5°	114.4
45°	105.3
47.5°	95.6
50°	85.3
52.5°	75.6
55°	66.6
57.5°	58.7
60°	52.0
62.5°	46.0
65°	40.5
67.5°	36.3
70°	32.1
72.5°	28.4
75°	24.8
77.5°	21.8
80°	19.4
82.5°	16.9
85°	14.5
87.5°	12.7
90°	10.9
92.5°	9.7
95°	7.9
97.5°	6.1
100°	3.6
102.5°	1.8
105°	0.6
107.5°	0.0
110°	0.0



TEST NUMBER: P229266

CATALOG NUMBER: 340-6B-10-D010 / 340-EU6B-1020-9024-6LBW1LI-GFC

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)