

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: P229281

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-GFC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229281
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-20-D010 / 340-EU6B-1020-9040-6LBW1LI-GFC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, FROSTED INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1224.3 lumens
Efficiency: N/A
Efficacy: 58.9 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

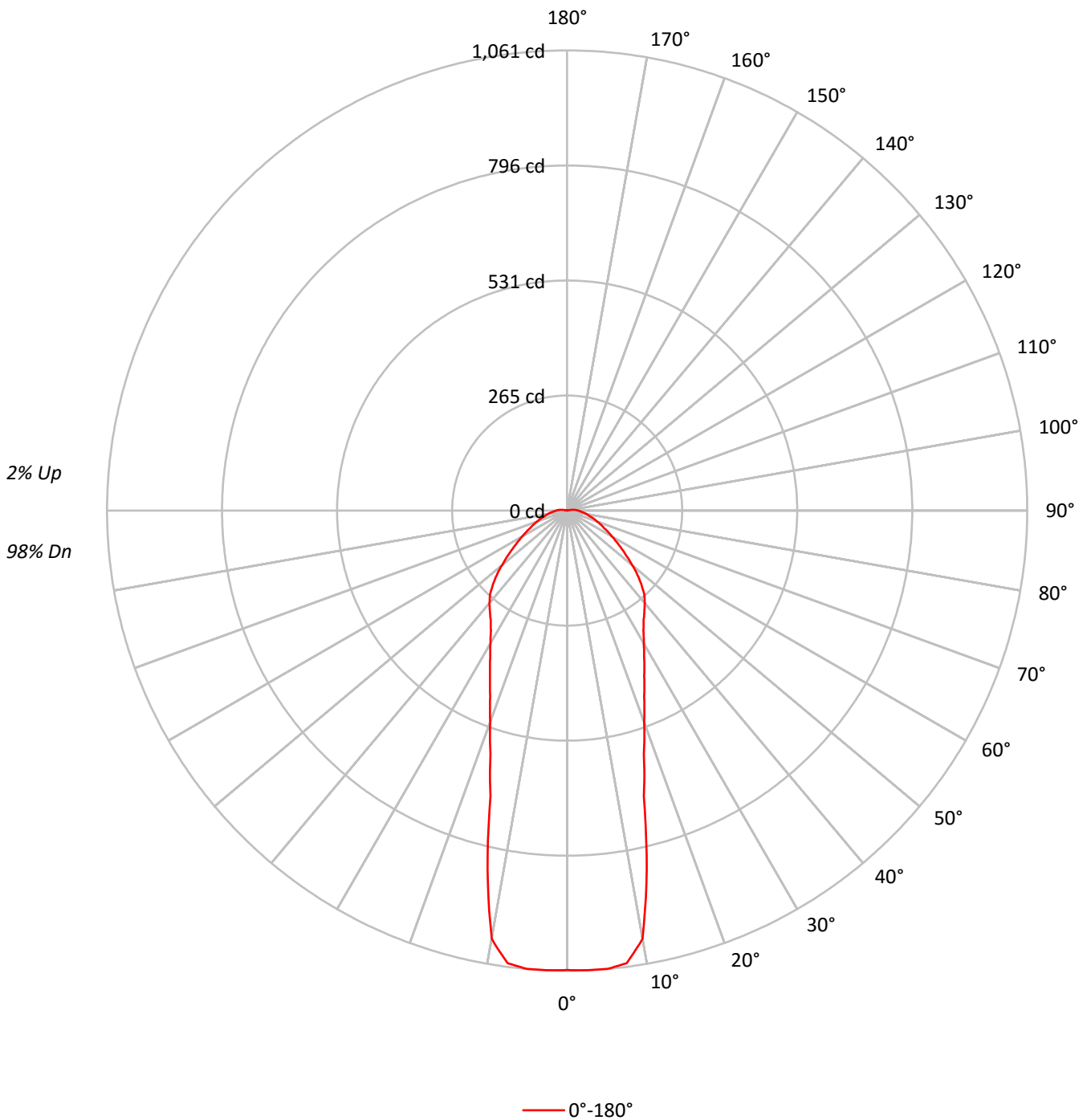
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P229281

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-GFC

Luminous Intensity Polar Plot





TEST NUMBER: P229281

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-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°	69122
5°	62090
10°	53561
15°	33770
20°	24116
25°	18523
30°	14921
35°	12553
40°	11077
45°	9473
50°	7602
55°	5922
60°	4654
65°	3677
70°	2972
75°	2369
80°	1923
85°	1511



TEST NUMBER: P229281

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-GFC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	8.1
10°-20°	196.9	16.1
20°-30°	195.1	15.9
30°-40°	194.4	15.9
40°-50°	185.5	15.2
50°-60°	138.5	11.3
60°-70°	93.8	7.7
70°-80°	61.2	5.0
80°-90°	37.2	3.0
90°-100°	19.4	1.6
100°-110°	2.6	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°	491.7	40.2
0°-40°	686.1	56.0
0°-60°	1010.1	82.5
0°-90°	1202.3	98.2
90°-120°	22.0	1.8
90°-150°	22.0	1.8
90°-180°	22.0	1.8
0°-180°	1224.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1060	
5°	1061	100
15°	682	197
25°	420	195
35°	308	194
45°	242	186
55°	153	138
65°	93	94
75°	57	61
85°	33	30
90°	25	14
95°	18	13
105°	1	3
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: P229281

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-GFC

CANDELA DISTRIBUTION (FULL):

0°	
0°	1059.5
2.5°	1060.9
5°	1060.9
7.5°	1052.6
10°	1002.4
12.5°	847.9
15°	682.2
17.5°	588.9
20°	519.3
22.5°	463.6
25°	420.5
27.5°	384.3
30°	353.6
32.5°	327.2
35°	307.7
37.5°	292.4
40°	278.5
42.5°	263.1
45°	242.3
47.5°	220.0
50°	196.3
52.5°	174.0
55°	153.2
57.5°	135.1
60°	119.7
62.5°	105.8
65°	93.3
67.5°	83.5
70°	73.8
72.5°	65.4
75°	57.1
77.5°	50.1
80°	44.6
82.5°	39.0
85°	33.4
87.5°	29.2
90°	25.1
92.5°	22.3
95°	18.1
97.5°	13.9
100°	8.4
102.5°	4.2
105°	1.4
107.5°	0.0
110°	0.0



TEST NUMBER: P229281

CATALOG NUMBER: 340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-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)