

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: P229146

Luminaire Tested: **340-6B-40-D010 / 340-EU6B-3040-9030-6LBW1LI-FF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)
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-3040-9030-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2241.9 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

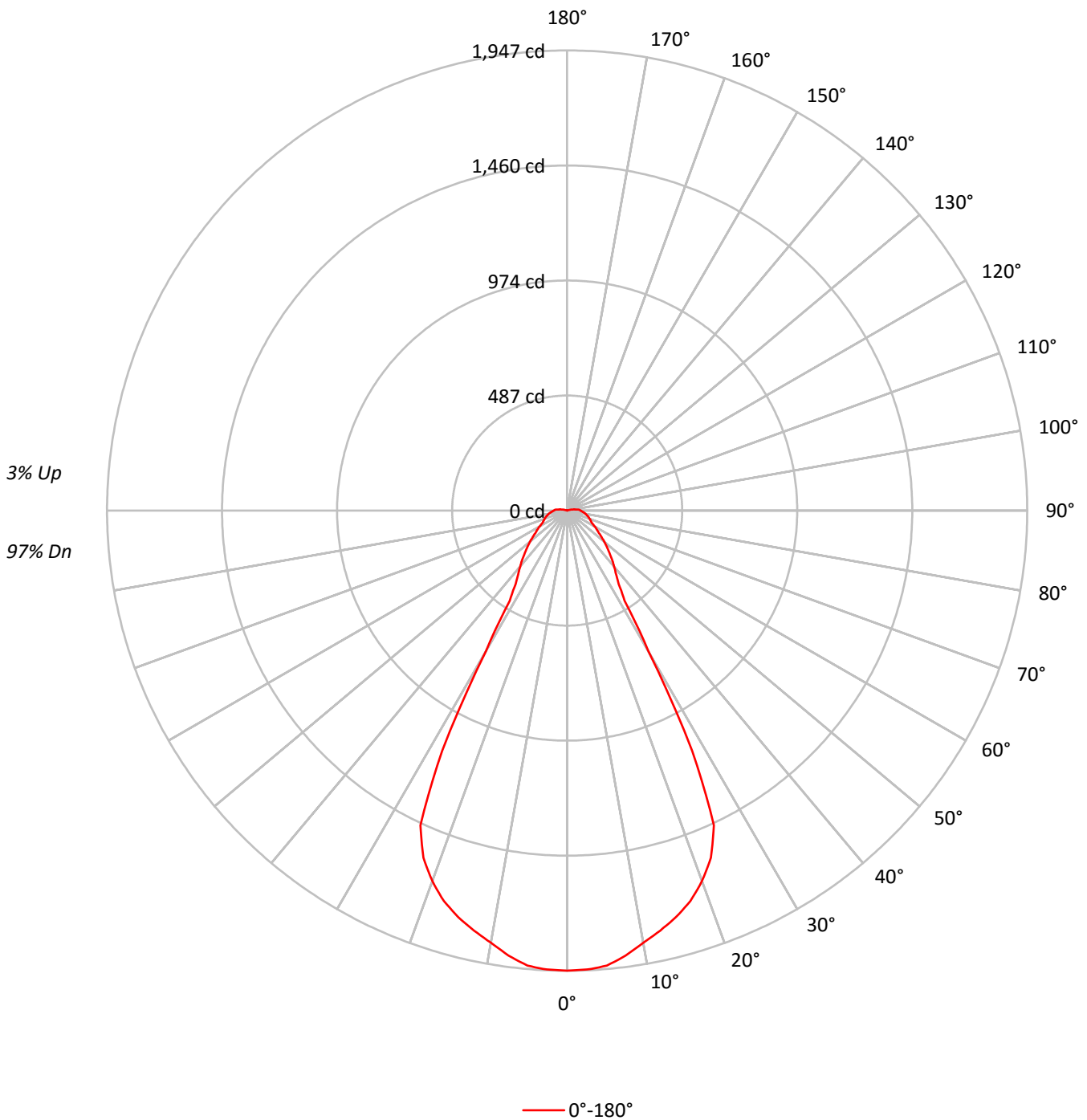
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	110	110	110		104	104	104		99	99	99	97
1	110	106	102	99	107	103	100	97	99	96	93		94	92	90		90	89	87	85
2	102	96	90	86	100	94	89	84	90	86	82		86	83	80		83	80	78	76
3	96	87	81	76	93	86	80	75	82	77	73		80	75	72		77	73	70	68
4	90	80	73	68	88	79	72	67	76	71	66		74	69	65		71	67	64	62
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		67	62	59	57
6	80	69	62	57	78	68	61	56	66	60	56		64	59	55		63	58	54	53
7	75	64	57	52	74	64	57	52	62	56	52		60	55	51		59	54	51	49
8	71	60	53	49	70	60	53	48	58	52	48		57	52	48		56	51	47	46
9	68	57	50	45	66	56	50	45	55	49	45		54	48	45		53	48	44	43
10	64	53	47	43	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126997
5°	113107
10°	99209
15°	88159
20°	77484
25°	64712
30°	29041
35°	15469
40°	12290
45°	9883
50°	7943
55°	6297
60°	5242
65°	4430
70°	4071
75°	3730
80°	3393
85°	3049



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.9	8.1
10°-20°	500.3	22.3
20°-30°	610.2	27.2
30°-40°	258.4	11.5
40°-50°	196.0	8.7
50°-60°	148.4	6.6
60°-70°	113.4	5.1
70°-80°	95.0	4.2
80°-90°	73.5	3.3
90°-100°	49.1	2.2
100°-110°	14.6	0.7
110°-120°	1.1	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°	1292.4	57.6
0°-40°	1550.7	69.2
0°-60°	1895.2	84.5
0°-90°	2177.1	97.1
90°-120°	64.7	2.9
90°-150°	64.7	2.9
90°-180°	65.0	2.9
0°-180°	2241.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1947	
5°	1933	182
15°	1781	500
25°	1469	610
35°	379	258
45°	253	196
55°	163	148
65°	112	113
75°	90	95
85°	67	57
90°	56	31
95°	48	34
105°	11	15
115°	0	1
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°	1946.6
2.5°	1943.8
5°	1932.6
7.5°	1898.8
10°	1856.7
12.5°	1820.2
15°	1780.9
17.5°	1733.1
20°	1668.5
22.5°	1589.9
25°	1469.1
27.5°	1146.0
30°	688.2
32.5°	452.2
35°	379.2
37.5°	339.9
40°	309.0
42.5°	280.9
45°	252.8
47.5°	227.5
50°	205.1
52.5°	182.6
55°	162.9
57.5°	148.9
60°	134.8
62.5°	120.8
65°	112.4
67.5°	106.7
70°	101.1
72.5°	95.5
75°	89.9
77.5°	84.3
80°	78.7
82.5°	73.0
85°	67.4
87.5°	61.8
90°	56.2
92.5°	53.4
95°	47.8
97.5°	36.5
100°	28.1
102.5°	19.7
105°	11.2
107.5°	8.4
110°	2.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.8
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)