

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: P229152

Luminaire Tested: **340-6B-10-D010 / 340-EU6B-1020-9030-6LBW1LI-CC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229152
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-10-D010 / 340-EU6B-1020-9030-6LBW1LI-CC
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 656.0 lumens
Efficiency: N/A
Efficacy: 66.3 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

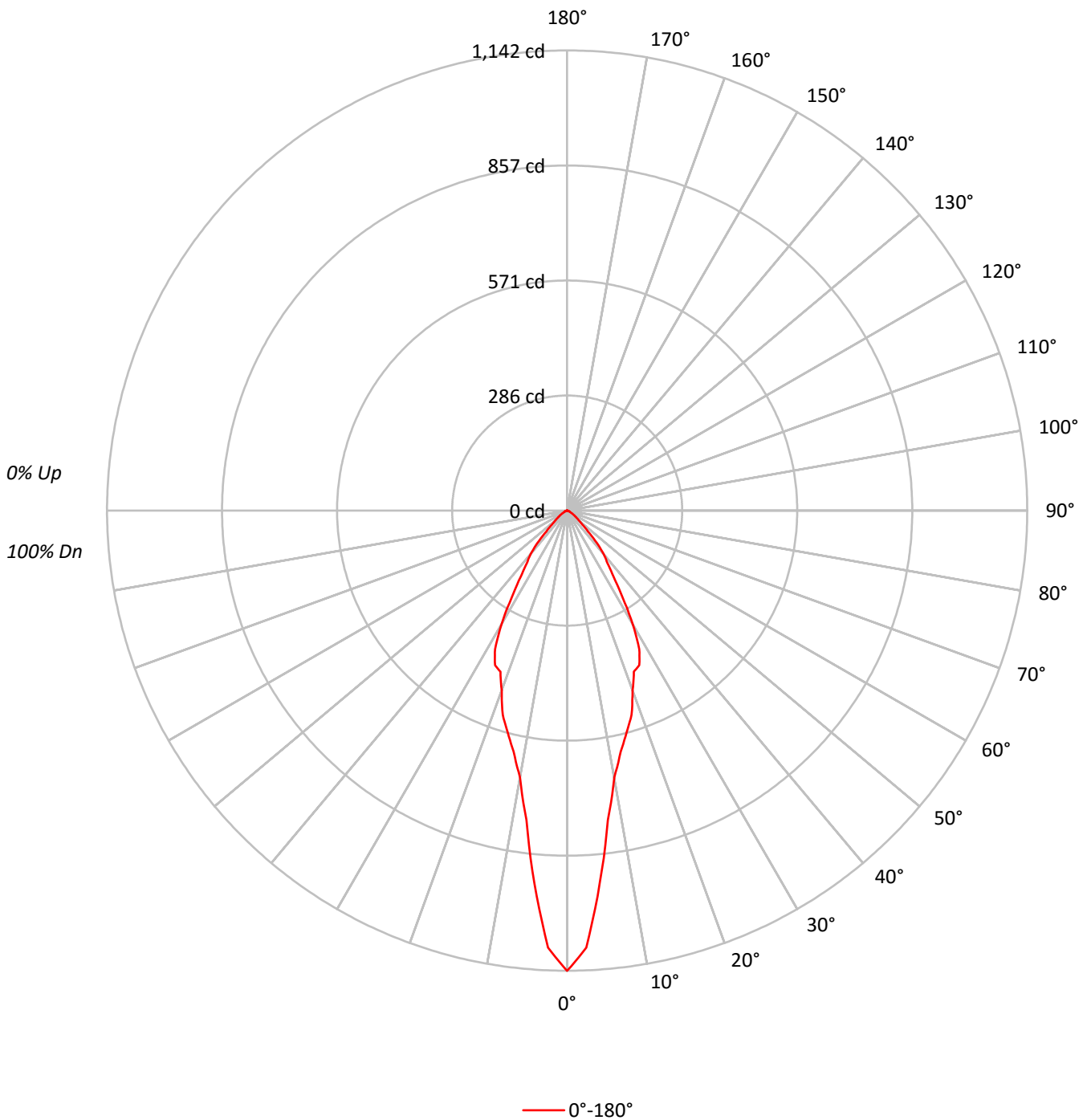
Input Watts (W): 9.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	74518
5°	60840
10°	44584
15°	38499
20°	32971
25°	30478
30°	24566
35°	15953
40°	12059
45°	6735
50°	3918
55°	2605
60°	1775
65°	1111
70°	954
75°	731
80°	526
85°	524



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	12.2
10°-20°	159.5	24.3
20°-30°	188.6	28.7
30°-40°	132.0	20.1
40°-50°	61.6	9.4
50°-60°	21.4	3.3
60°-70°	8.1	1.2
70°-80°	3.3	0.5
80°-90°	0.8	0.1
90°-100°	0.5	0.1
100°-110°	0.3	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°	428.4	65.3
0°-40°	560.4	85.4
0°-60°	643.3	98.1
0°-90°	655.5	99.9
90°-120°	0.8	0.1
90°-150°	0.8	0.1
90°-180°	1.0	0.2
0°-180°	656.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1142	
5°	929	80
15°	570	160
25°	423	189
35°	200	132
45°	73	62
55°	23	21
65°	7	8
75°	3	3
85°	1	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°	1142.2
2.5°	1085.7
5°	929.0
7.5°	774.6
10°	673.0
12.5°	612.9
15°	570.0
17.5°	531.4
20°	474.9
22.5°	432.7
25°	423.4
27.5°	387.6
30°	326.1
32.5°	256.8
35°	200.3
37.5°	163.8
40°	141.6
42.5°	110.1
45°	73.0
47.5°	50.8
50°	38.6
52.5°	29.3
55°	22.9
57.5°	17.9
60°	13.6
62.5°	10.0
65°	7.2
67.5°	6.4
70°	5.0
72.5°	4.3
75°	2.9
77.5°	2.1
80°	1.4
82.5°	0.7
85°	0.7
87.5°	0.7
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.7
100°	0.7
102.5°	0.7
105°	0.0
107.5°	0.0
110°	0.0



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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)