

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: P229303

Luminaire Tested: **340-6B-15-D010 / 340-EU6B-1020-9030-6LBW1LI-GCC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-16)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 340-6B-15-D010 / 340-EU6B-1020-9030-6LBW1LI-GCC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE,
CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 979.1 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.89
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

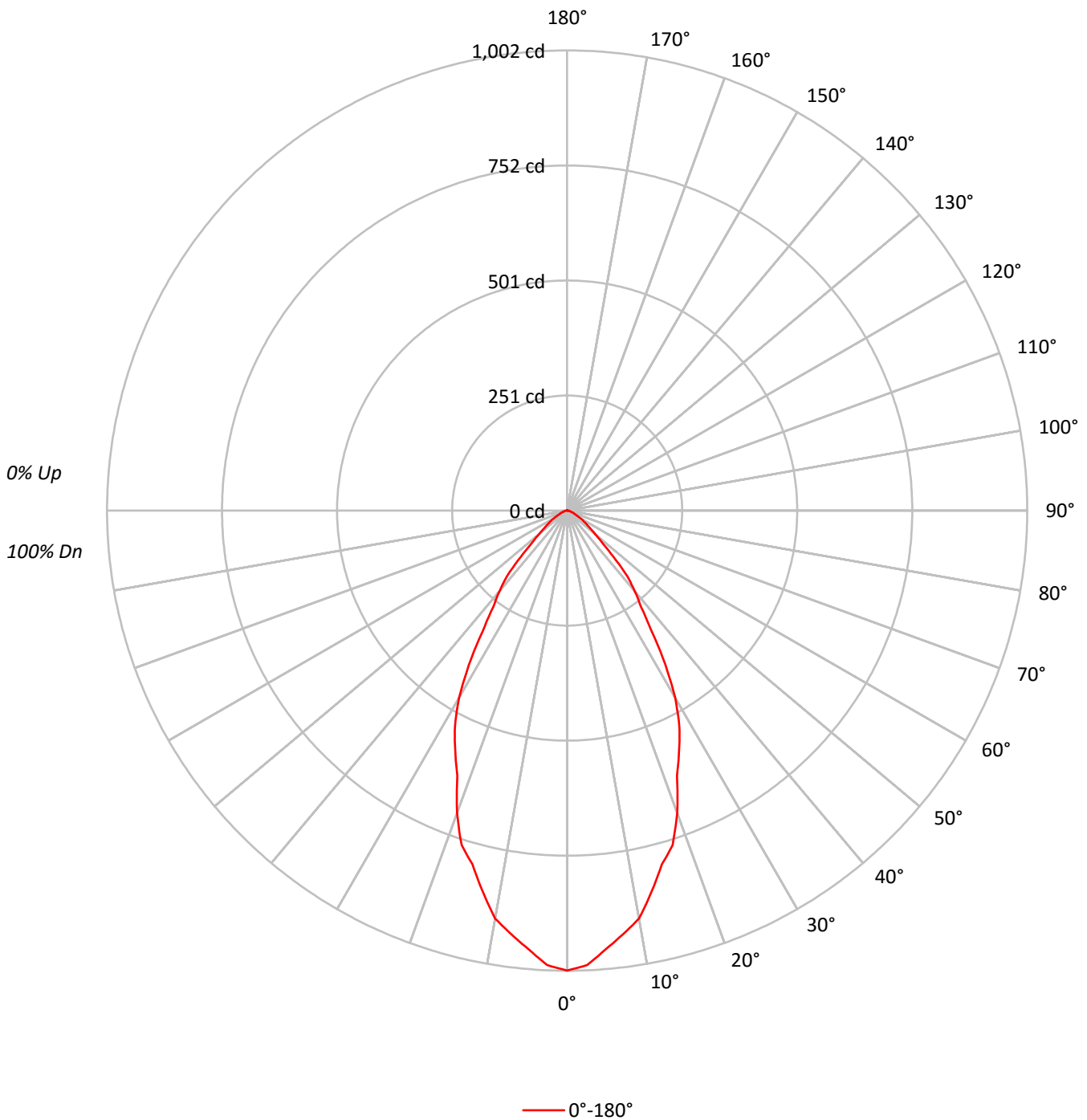
Input Watts (W): 14.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	101	96	92	104	99	95	91	95	92	89		92	90	87		90	87	85	83
3	100	93	87	83	98	91	86	82	88	84	81		86	82	79		84	81	78	76
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	74	71	70
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69	64	61	59
7	79	69	62	58	78	68	62	57	67	61	57		66	60	57		64	60	56	55
8	75	64	58	53	74	64	58	53	63	57	53		62	56	53		61	56	52	51
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57	52	49	48
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	65345
5°	62818
10°	59755
15°	53865
20°	48662
25°	41514
30°	35422
35°	25518
40°	19477
45°	13102
50°	8110
55°	5835
60°	4241
65°	2887
70°	2442
75°	1991
80°	1841
85°	1497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	9.2
10°-20°	224.9	23.0
20°-30°	265.2	27.1
30°-40°	206.2	21.1
40°-50°	113.1	11.6
50°-60°	47.2	4.8
60°-70°	19.9	2.0
70°-80°	8.6	0.9
80°-90°	2.4	0.2
90°-100°	1.1	0.1
100°-110°	0.7	0.1
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°	580.0	59.2
0°-40°	786.1	80.3
0°-60°	946.4	96.7
0°-90°	977.3	99.8
90°-120°	1.8	0.2
90°-150°	1.8	0.2
90°-180°	2.0	0.2
0°-180°	979.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1002	
5°	959	90
15°	798	225
25°	577	265
35°	320	206
45°	142	113
55°	51	47
65°	19	20
75°	8	9
85°	2	2
90°	1	1
95°	1	1
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



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1001.6
2.5°	990.8
5°	959.2
7.5°	930.6
10°	902.0
12.5°	849.8
15°	797.5
17.5°	764.0
20°	700.9
22.5°	625.0
25°	576.7
27.5°	529.4
30°	470.2
32.5°	398.3
35°	320.4
37.5°	264.2
40°	228.7
42.5°	194.2
45°	142.0
47.5°	102.5
50°	79.9
52.5°	63.1
55°	51.3
57.5°	41.4
60°	32.5
62.5°	23.7
65°	18.7
67.5°	15.8
70°	12.8
72.5°	9.9
75°	7.9
77.5°	5.9
80°	4.9
82.5°	3.0
85°	2.0
87.5°	1.0
90°	1.0
92.5°	1.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	1.0
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)