

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: P229309

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9035-6LBW1LI-GCC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229309
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-20-D010 / 340-EU6B-1020-9035-6LBW1LI-GCC
Description: FARALLON 6" LED GLASS DOWNLIGHT. GLASS-IN-A-GLASS, CLEAR INSIDE, CLEAR OUTSIDE GLASS KIT.
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1380.6 lumens
Efficiency: N/A
Efficacy: 66.4 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

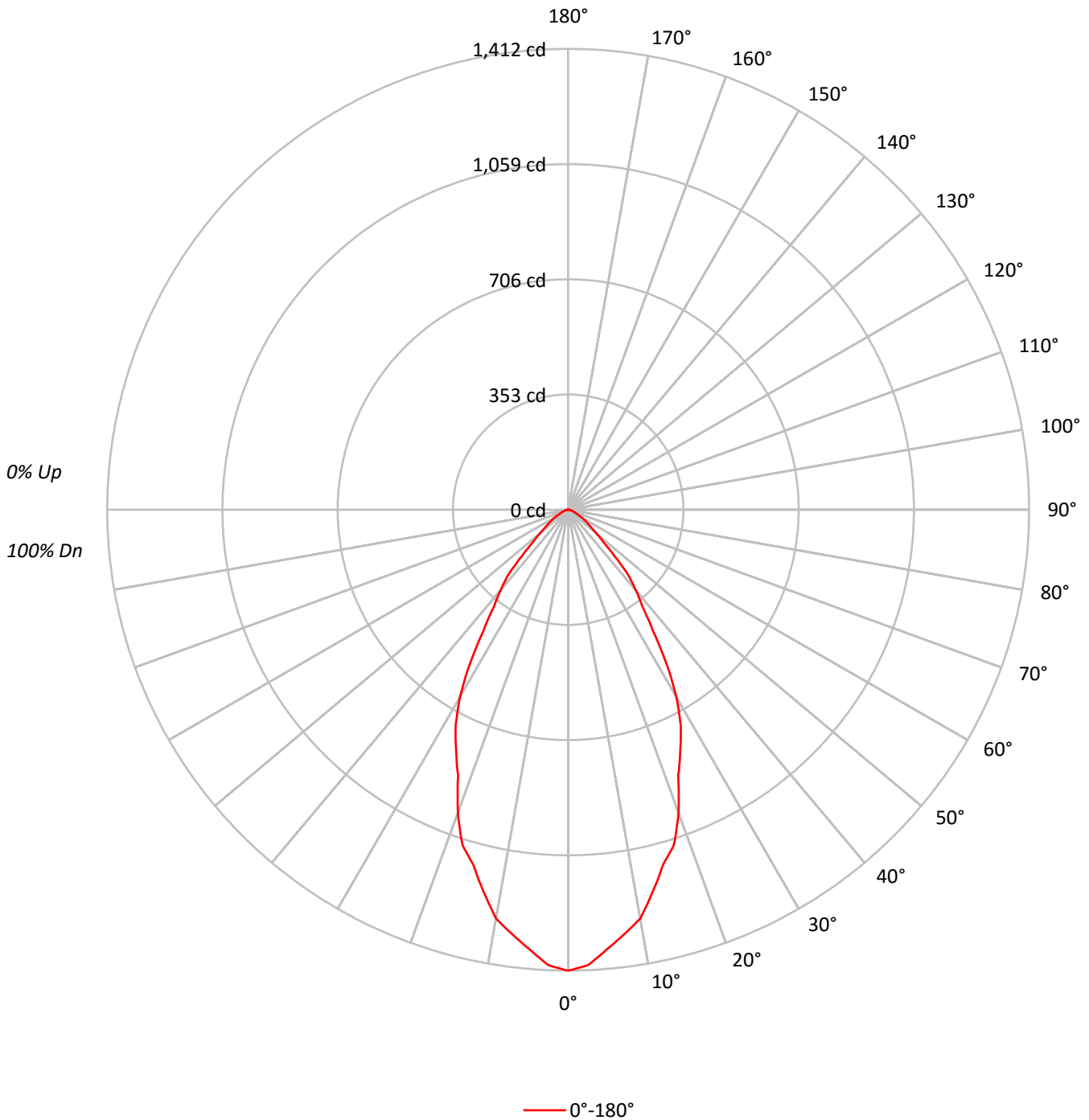
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	92146
5°	88582
10°	84266
15°	75958
20°	68622
25°	58538
30°	49954
35°	35983
40°	27466
45°	18471
50°	11428
55°	8224
60°	5989
65°	4075
70°	3453
75°	2798
80°	2630
85°	2096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	9.2
10°-20°	317.2	23.0
20°-30°	373.9	27.1
30°-40°	290.7	21.1
40°-50°	159.5	11.6
50°-60°	66.5	4.8
60°-70°	28.1	2.0
70°-80°	12.1	0.9
80°-90°	3.4	0.2
90°-100°	1.5	0.1
100°-110°	0.9	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°	817.8	59.2
0°-40°	1108.5	80.3
0°-60°	1334.5	96.7
0°-90°	1378.2	99.8
90°-120°	2.5	0.2
90°-150°	2.5	0.2
90°-180°	2.0	0.1
0°-180°	1380.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1412	
5°	1353	127
15°	1125	317
25°	813	374
35°	452	291
45°	200	159
55°	72	66
65°	26	28
75°	11	12
85°	3	3
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°	1412.4
2.5°	1397.1
5°	1352.6
7.5°	1312.3
10°	1272.0
12.5°	1198.3
15°	1124.6
17.5°	1077.4
20°	988.4
22.5°	881.4
25°	813.2
27.5°	746.5
30°	663.1
32.5°	561.6
35°	451.8
37.5°	372.6
40°	322.5
42.5°	273.9
45°	200.2
47.5°	144.6
50°	112.6
52.5°	89.0
55°	72.3
57.5°	58.4
60°	45.9
62.5°	33.4
65°	26.4
67.5°	22.2
70°	18.1
72.5°	13.9
75°	11.1
77.5°	8.3
80°	7.0
82.5°	4.2
85°	2.8
87.5°	1.4
90°	1.4
92.5°	1.4
95°	1.4
97.5°	1.4
100°	1.4
102.5°	1.4
105°	1.4
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)