

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: P229308

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9030-6LBW1LI-GCC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229308
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-1020-9030-6LBW1LI-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: 1361.0 lumens
Efficiency: N/A
Efficacy: 65.4 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

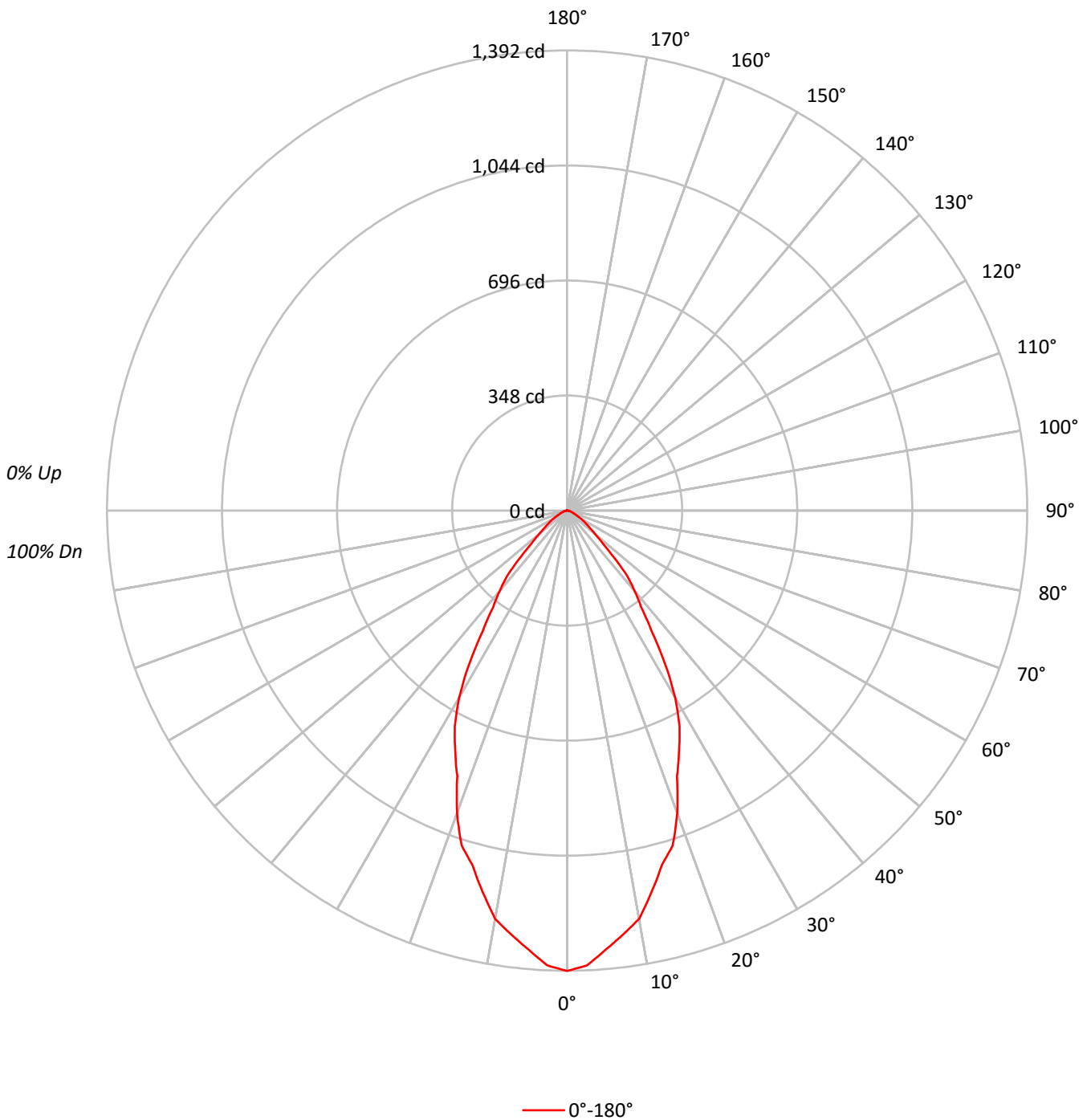
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	90841
5°	87331
10°	83074
15°	74884
20°	67650
25°	57710
30°	49245
35°	35473
40°	27074
45°	18204
50°	11266
55°	8110
60°	5898
65°	4014
70°	3395
75°	2773
80°	2592
85°	2021



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	9.2
10°-20°	312.7	23.0
20°-30°	368.6	27.1
30°-40°	286.6	21.1
40°-50°	157.2	11.5
50°-60°	65.6	4.8
60°-70°	27.7	2.0
70°-80°	11.9	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°	806.2	59.2
0°-40°	1092.8	80.3
0°-60°	1315.6	96.7
0°-90°	1358.6	99.8
90°-120°	2.5	0.2
90°-150°	2.5	0.2
90°-180°	2.0	0.1
0°-180°	1361.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1392	
5°	1334	125
15°	1109	313
25°	802	369
35°	445	287
45°	197	157
55°	71	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°	1392.4
2.5°	1377.3
5°	1333.5
7.5°	1293.7
10°	1254.0
12.5°	1181.3
15°	1108.7
17.5°	1062.1
20°	974.4
22.5°	868.9
25°	801.7
27.5°	735.9
30°	653.7
32.5°	553.7
35°	445.4
37.5°	367.3
40°	317.9
42.5°	270.0
45°	197.3
47.5°	142.5
50°	111.0
52.5°	87.7
55°	71.3
57.5°	57.6
60°	45.2
62.5°	32.9
65°	26.0
67.5°	21.9
70°	17.8
72.5°	13.7
75°	11.0
77.5°	8.2
80°	6.9
82.5°	4.1
85°	2.7
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)