

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: P229162

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9027-6LBW1LI-CC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229162
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-20-D010 / 340-EU6B-1020-9027-6LBW1LI-CC
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1208.8 lumens
Efficiency: N/A
Efficacy: 58.1 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

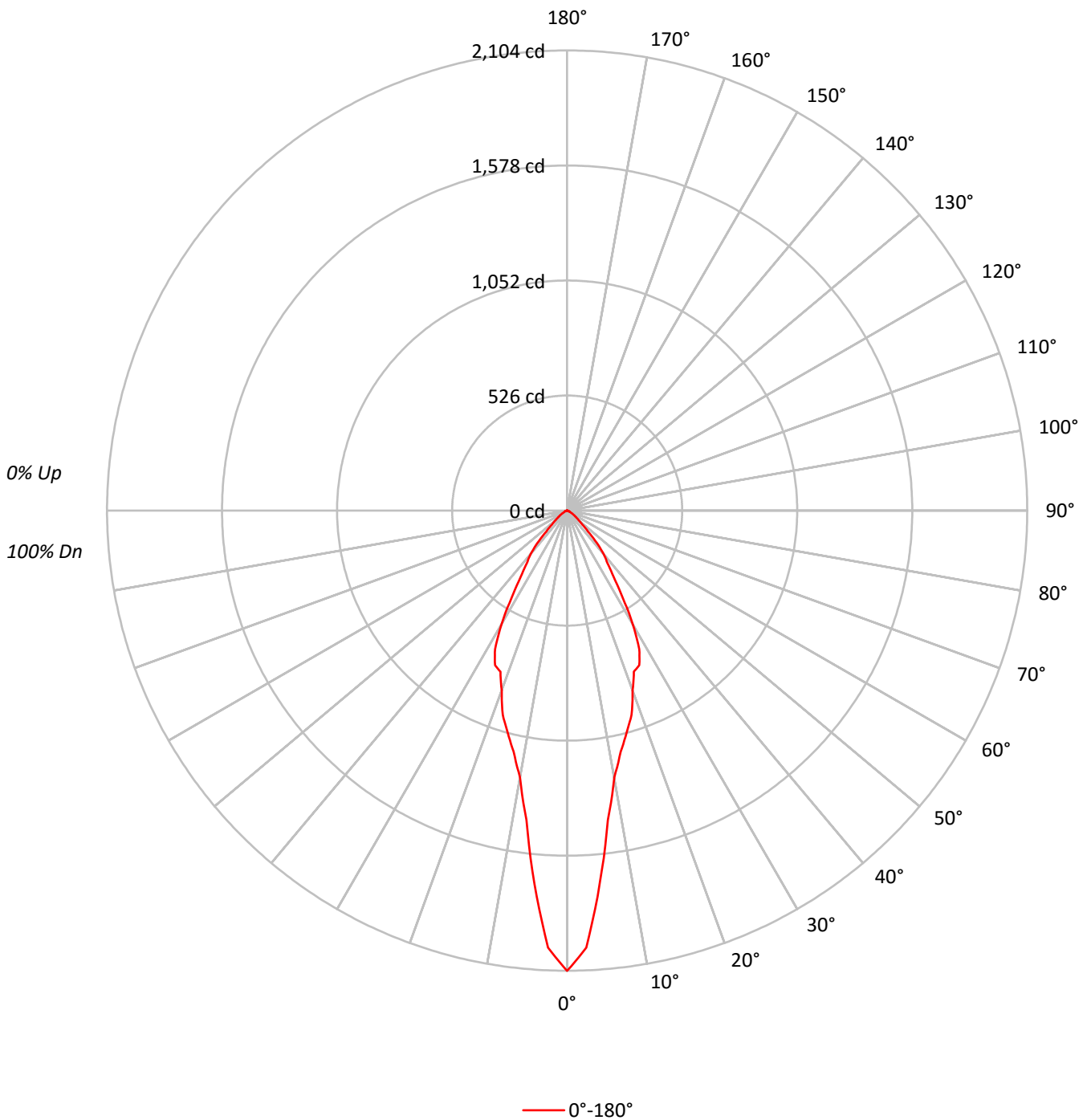
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	137299
5°	112106
10°	82146
15°	70939
20°	60749
25°	56156
30°	45268
35°	29389
40°	22220
45°	12400
50°	7227
55°	4800
60°	3262
65°	2038
70°	1755
75°	1336
80°	977
85°	973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.0	12.2
10°-20°	293.9	24.3
20°-30°	347.4	28.7
30°-40°	243.1	20.1
40°-50°	113.4	9.4
50°-60°	39.4	3.3
60°-70°	14.9	1.2
70°-80°	6.1	0.5
80°-90°	1.4	0.1
90°-100°	0.9	0.1
100°-110°	0.5	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°	789.3	65.3
0°-40°	1032.5	85.4
0°-60°	1185.3	98.1
0°-90°	1207.7	99.9
90°-120°	1.4	0.1
90°-150°	1.4	0.1
90°-180°	1.0	0.1
0°-180°	1208.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2104	
5°	1712	148
15°	1050	294
25°	780	347
35°	369	243
45°	134	113
55°	42	39
65°	13	15
75°	5	6
85°	1	1
90°	0	0
95°	0	1
105°	0	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°	2104.5
2.5°	2000.4
5°	1711.8
7.5°	1427.1
10°	1240.0
12.5°	1129.3
15°	1050.3
17.5°	979.1
20°	875.0
22.5°	797.2
25°	780.1
27.5°	714.2
30°	600.9
32.5°	473.1
35°	369.0
37.5°	301.8
40°	260.9
42.5°	202.9
45°	134.4
47.5°	93.6
50°	71.2
52.5°	54.0
55°	42.2
57.5°	32.9
60°	25.0
62.5°	18.4
65°	13.2
67.5°	11.9
70°	9.2
72.5°	7.9
75°	5.3
77.5°	4.0
80°	2.6
82.5°	1.3
85°	1.3
87.5°	1.3
90°	0.0
92.5°	0.0
95°	0.0
97.5°	1.3
100°	1.3
102.5°	1.3
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)