

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: P229140

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9030-6LBW1LI-FF**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-10)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 340-6B-30-D010 / 340-EU6B-3040-9030-6LBW1LI-FF
Description: FARALLON 6" LED GLASS DOWNLIGHT. FLARED FROSTED GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1585.8 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.81
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

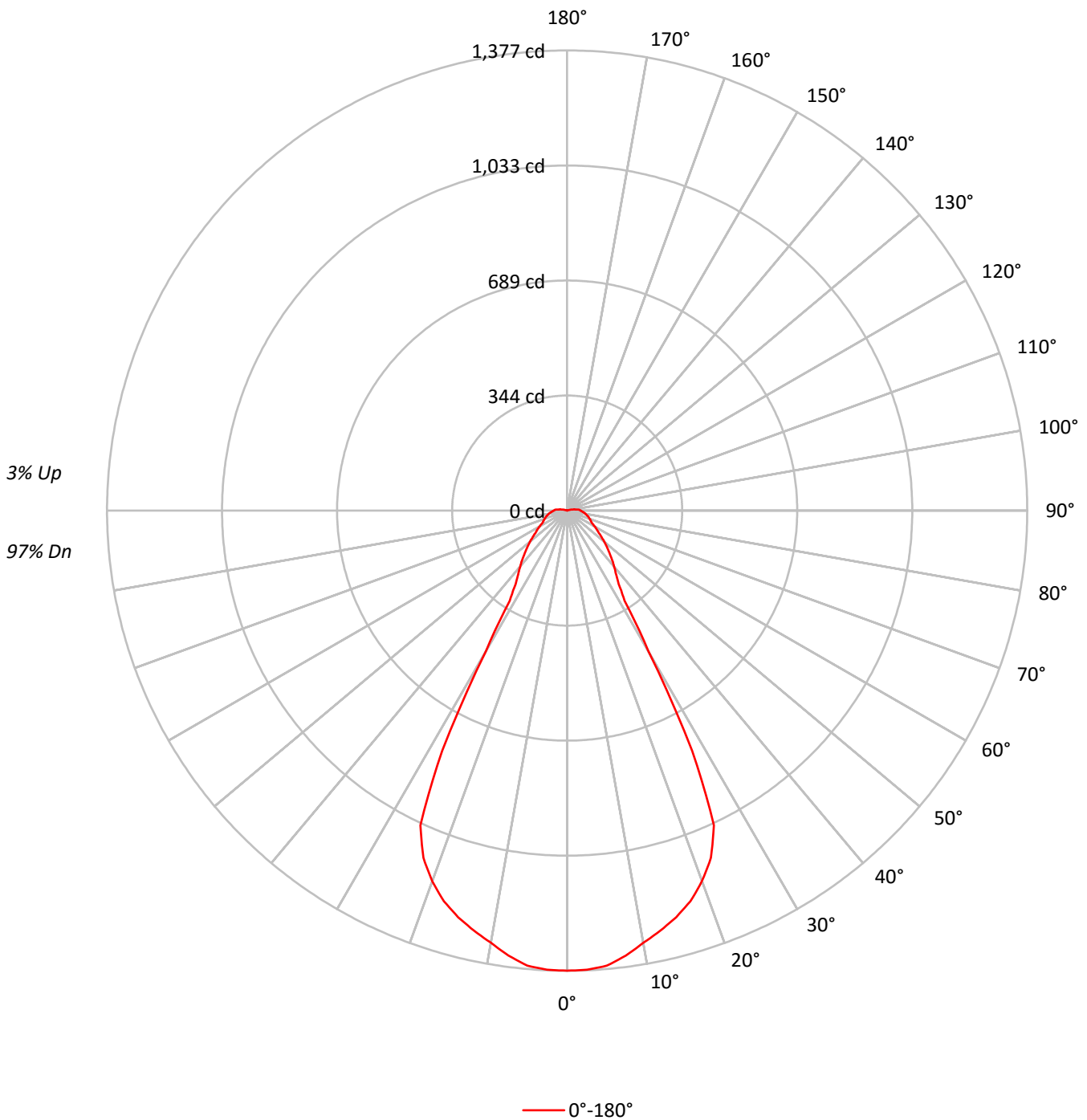
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	110	110	110	104	104	104	99	99	99	97				97
1	110	106	102	99	107	103	100	97	99	96	93	94	92	90	90	89	87	85				85
2	102	96	90	86	100	94	89	84	90	86	82	86	83	80	83	80	78	76				76
3	96	87	81	76	93	86	80	75	82	77	73	80	75	72	77	73	70	68				68
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62				62
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	62	59	57				57
6	80	69	62	57	78	68	61	56	66	60	56	64	59	55	63	58	54	53				53
7	75	64	57	52	74	64	57	52	62	56	52	60	55	51	59	54	51	49				49
8	71	60	53	49	70	60	53	48	58	52	48	57	52	48	56	51	47	46				46
9	68	57	50	45	66	56	50	45	55	49	45	54	48	45	53	48	44	43				43
10	64	53	47	43	63	53	47	42	52	46	42	51	46	42	50	45	42	40				40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89830
5°	80005
10°	70179
15°	62358
20°	54808
25°	45776
30°	20542
35°	10941
40°	8695
45°	6990
50°	5615
55°	4453
60°	3710
65°	3133
70°	2879
75°	2639
80°	2397
85°	2158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	8.1
10°-20°	353.9	22.3
20°-30°	431.6	27.2
30°-40°	182.7	11.5
40°-50°	138.7	8.7
50°-60°	105.0	6.6
60°-70°	80.2	5.1
70°-80°	67.2	4.2
80°-90°	52.0	3.3
90°-100°	34.7	2.2
100°-110°	10.3	0.7
110°-120°	0.8	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°	914.2	57.6
0°-40°	1096.9	69.2
0°-60°	1340.5	84.5
0°-90°	1540.0	97.1
90°-120°	45.8	2.9
90°-150°	45.8	2.9
90°-180°	46.0	2.9
0°-180°	1585.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1377	
5°	1367	129
15°	1260	354
25°	1039	432
35°	268	183
45°	179	139
55°	115	105
65°	80	80
75°	64	67
85°	48	41
90°	40	22
95°	34	24
105°	8	10
115°	0	1
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°	1376.9
2.5°	1375.0
5°	1367.0
7.5°	1343.2
10°	1313.4
12.5°	1287.5
15°	1259.7
17.5°	1225.9
20°	1180.2
22.5°	1124.6
25°	1039.2
27.5°	810.7
30°	486.8
32.5°	319.9
35°	268.2
37.5°	240.4
40°	218.6
42.5°	198.7
45°	178.8
47.5°	160.9
50°	145.0
52.5°	129.1
55°	115.2
57.5°	105.3
60°	95.4
62.5°	85.4
65°	79.5
67.5°	75.5
70°	71.5
72.5°	67.6
75°	63.6
77.5°	59.6
80°	55.6
82.5°	51.7
85°	47.7
87.5°	43.7
90°	39.7
92.5°	37.8
95°	33.8
97.5°	25.8
100°	19.9
102.5°	13.9
105°	7.9
107.5°	6.0
110°	2.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.0
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)