

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: P229226

Luminaire Tested: **340-6B-30-D010 / 340-EU6B-3040-9027-6LBW1LI-CQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-13)
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-3040-9027-6LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1636.4 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.54
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

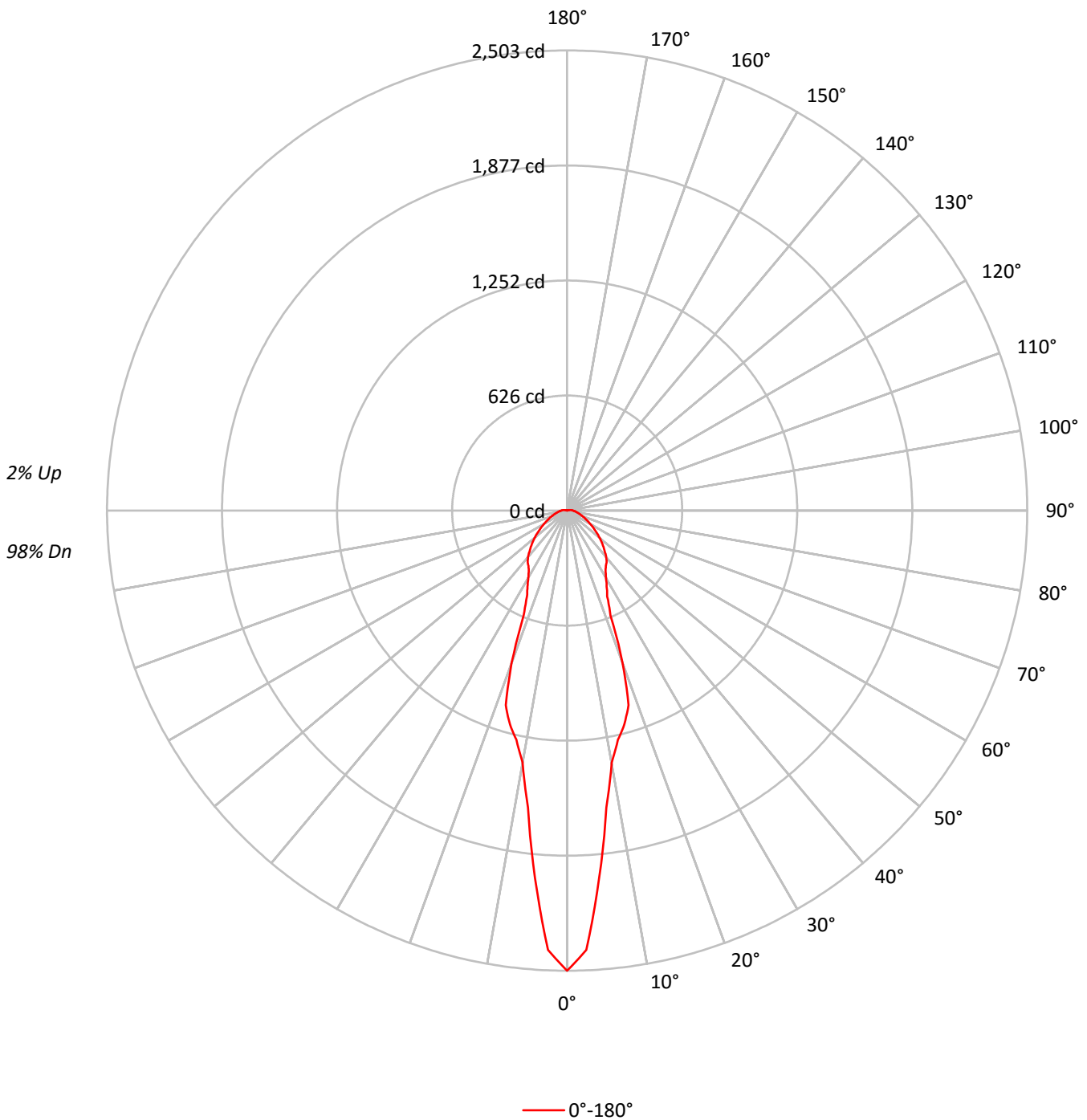
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	110	105	102	98	107	103	100	97	98	96	93		94	92	90		90	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81		85	82	78		82	79	76	74
3	95	86	79	73	92	84	78	72	81	75	71		78	73	70		75	71	68	66
4	88	78	71	65	86	77	70	64	74	68	63		72	67	62		69	65	61	59
5	83	72	64	58	81	71	63	58	68	62	57		66	61	57		64	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48		58	52	48		56	51	47	46
8	69	58	50	45	68	57	50	45	55	49	45		54	48	44		53	48	44	42
9	66	54	47	42	64	53	47	42	52	46	42		51	45	41		50	45	41	40
10	62	51	44	40	61	50	44	39	49	43	39		48	43	39		47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	163284
5°	117292
10°	74422
15°	59581
20°	40992
25°	22721
30°	17816
35°	14963
40°	13145
45°	10903
50°	8954
55°	7090
60°	5646
65°	4442
70°	3540
75°	2854
80°	2307
85°	1900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.3	10.5
10°-20°	328.7	20.1
20°-30°	255.1	15.6
30°-40°	232.1	14.2
40°-50°	215.3	13.2
50°-60°	165.7	10.1
60°-70°	113.4	6.9
70°-80°	73.6	4.5
80°-90°	45.8	2.8
90°-100°	26.6	1.6
100°-110°	8.4	0.5
110°-120°	0.2	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°	755.1	46.1
0°-40°	987.2	60.3
0°-60°	1368.3	83.6
0°-90°	1601.2	97.8
90°-120°	35.2	2.2
90°-150°	35.2	2.2
90°-180°	35.0	2.1
0°-180°	1636.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2503	
5°	2004	171
15°	1204	329
25°	516	255
35°	367	232
45°	279	215
55°	183	166
65°	113	113
75°	69	74
85°	42	37
90°	31	17
95°	25	18
105°	8	8
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°	2502.8
2.5°	2392.0
5°	2004.1
7.5°	1629.7
10°	1392.8
12.5°	1276.2
15°	1203.6
17.5°	1110.0
20°	882.7
22.5°	617.1
25°	515.8
27.5°	466.2
30°	422.2
32.5°	387.8
35°	366.8
37.5°	353.4
40°	330.5
42.5°	303.8
45°	278.9
47.5°	254.1
50°	231.2
52.5°	206.3
55°	183.4
57.5°	164.3
60°	145.2
62.5°	128.0
65°	112.7
67.5°	101.3
70°	87.9
72.5°	78.3
75°	68.8
77.5°	61.1
80°	53.5
82.5°	47.8
85°	42.0
87.5°	36.3
90°	30.6
92.5°	28.7
95°	24.8
97.5°	21.0
100°	15.3
102.5°	11.5
105°	7.6
107.5°	3.8
110°	1.9



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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)