

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: P229220

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229220
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-20-D010 / 340-EU6B-1020-9027-6LBW1LI-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: 1128.7 lumens
Efficiency: N/A
Efficacy: 54.3 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

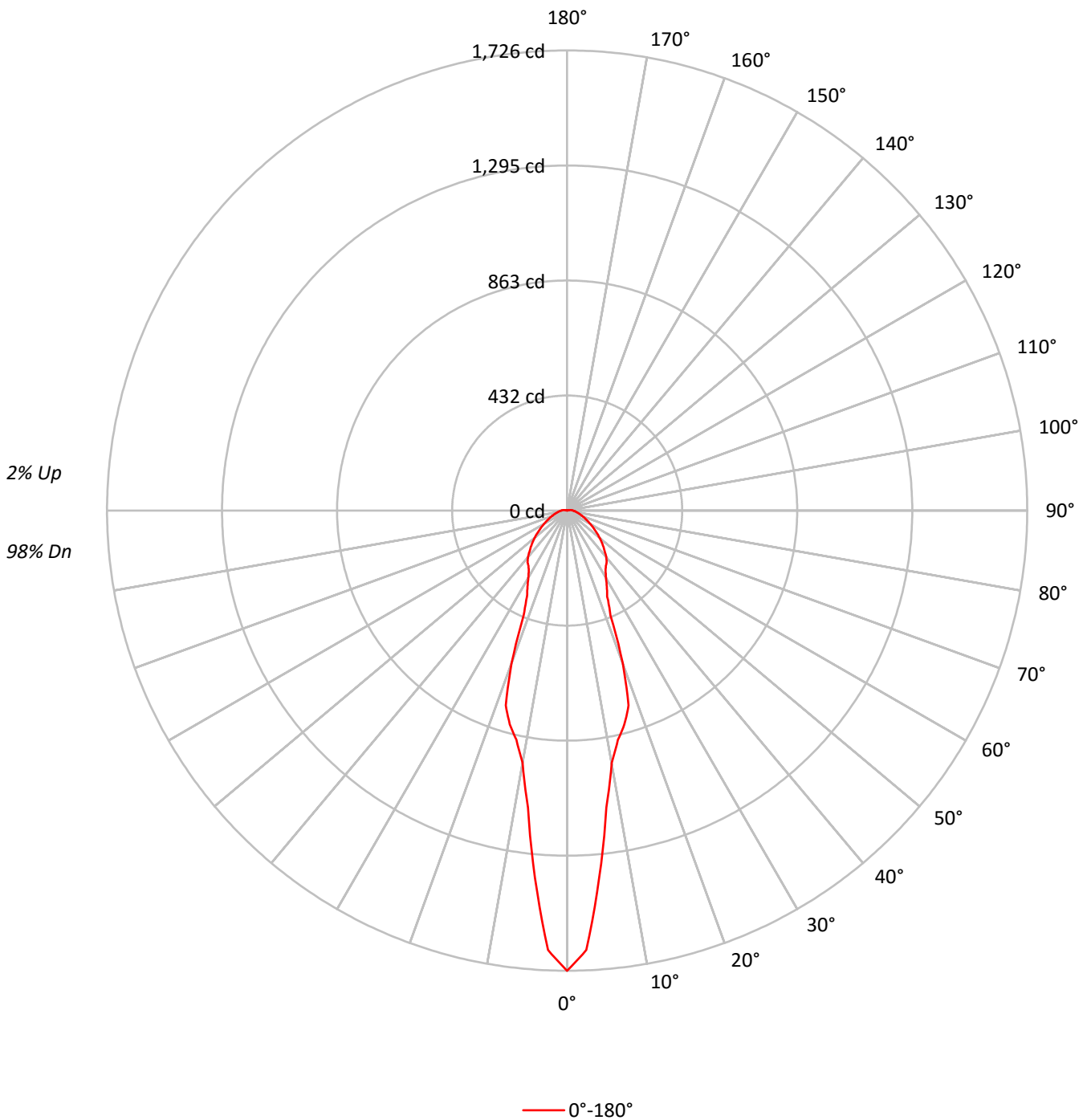
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	112625
5°	80900
10°	51333
15°	41097
20°	28272
25°	15673
30°	12288
35°	10321
40°	9069
45°	7522
50°	6173
55°	4890
60°	3896
65°	3063
70°	2440
75°	1967
80°	1591
85°	1312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	10.5
10°-20°	226.7	20.1
20°-30°	176.0	15.6
30°-40°	160.1	14.2
40°-50°	148.5	13.2
50°-60°	114.3	10.1
60°-70°	78.2	6.9
70°-80°	50.8	4.5
80°-90°	31.6	2.8
90°-100°	18.3	1.6
100°-110°	5.8	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°	520.8	46.1
0°-40°	680.9	60.3
0°-60°	943.8	83.6
0°-90°	1104.4	97.8
90°-120°	24.3	2.2
90°-150°	24.3	2.2
90°-180°	24.0	2.1
0°-180°	1128.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1726	
5°	1382	118
15°	830	227
25°	356	176
35°	253	160
45°	192	149
55°	126	114
65°	78	78
75°	47	51
85°	29	25
90°	21	12
95°	17	13
105°	5	6
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°	1726.3
2.5°	1649.8
5°	1382.3
7.5°	1124.1
10°	960.7
12.5°	880.3
15°	830.2
17.5°	765.6
20°	608.8
22.5°	425.6
25°	355.8
27.5°	321.5
30°	291.2
32.5°	267.5
35°	253.0
37.5°	243.8
40°	228.0
42.5°	209.5
45°	192.4
47.5°	175.3
50°	159.4
52.5°	142.3
55°	126.5
57.5°	113.3
60°	100.2
62.5°	88.3
65°	77.7
67.5°	69.8
70°	60.6
72.5°	54.0
75°	47.4
77.5°	42.2
80°	36.9
82.5°	32.9
85°	29.0
87.5°	25.0
90°	21.1
92.5°	19.8
95°	17.1
97.5°	14.5
100°	10.5
102.5°	7.9
105°	5.3
107.5°	2.6
110°	1.3



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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)