

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: P229221

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229221
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-1020-9030-6LBW1LI-CQ
Description: FARALLON 6" LED GLASS DOWNLIGHT CYLINDRICAL FROSTED, QUADRATE ETCHED GLASS KIT.
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1173.9 lumens
Efficiency: N/A
Efficacy: 56.4 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

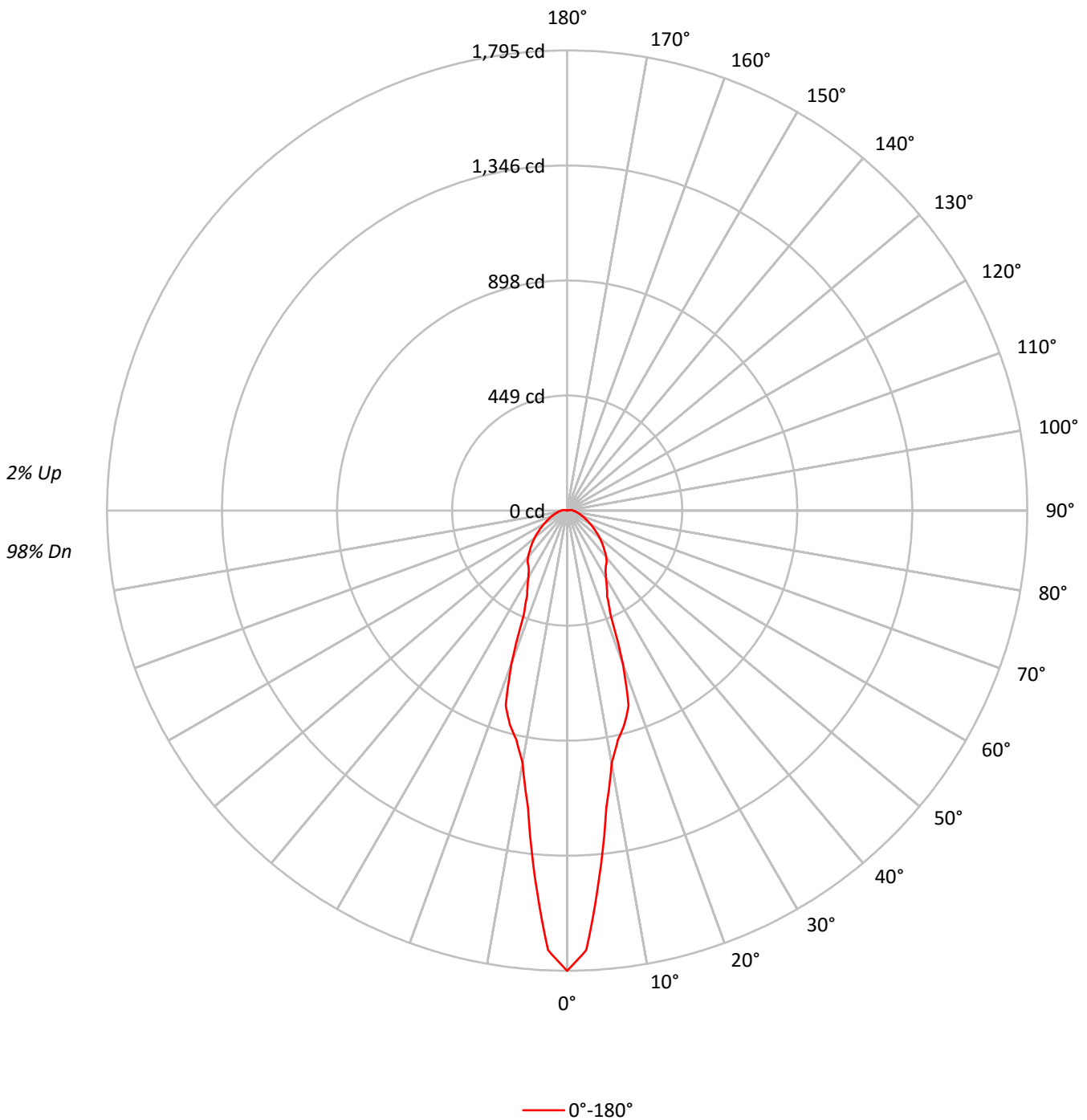
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	117126
5°	84137
10°	53385
15°	42740
20°	29405
25°	16298
30°	12782
35°	10733
40°	9430
45°	7823
50°	6421
55°	5087
60°	4052
65°	3189
70°	2537
75°	2045
80°	1656
85°	1366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	10.5
10°-20°	235.8	20.1
20°-30°	183.0	15.6
30°-40°	166.5	14.2
40°-50°	154.5	13.2
50°-60°	118.9	10.1
60°-70°	81.4	6.9
70°-80°	52.8	4.5
80°-90°	32.9	2.8
90°-100°	19.1	1.6
100°-110°	6.0	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°	541.7	46.1
0°-40°	708.2	60.3
0°-60°	981.6	83.6
0°-90°	1148.7	97.8
90°-120°	25.3	2.2
90°-150°	25.3	2.2
90°-180°	25.0	2.1
0°-180°	1173.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1795	
5°	1438	123
15°	863	236
25°	370	183
35°	263	167
45°	200	154
55°	132	119
65°	81	81
75°	49	53
85°	30	26
90°	22	12
95°	18	13
105°	6	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°	1795.3
2.5°	1715.8
5°	1437.6
7.5°	1169.0
10°	999.1
12.5°	915.5
15°	863.4
17.5°	796.2
20°	633.2
22.5°	442.7
25°	370.0
27.5°	334.4
30°	302.9
32.5°	278.2
35°	263.1
37.5°	253.5
40°	237.1
42.5°	217.9
45°	200.1
47.5°	182.3
50°	165.8
52.5°	148.0
55°	131.6
57.5°	117.9
60°	104.2
62.5°	91.8
65°	80.9
67.5°	72.6
70°	63.0
72.5°	56.2
75°	49.3
77.5°	43.9
80°	38.4
82.5°	34.3
85°	30.2
87.5°	26.0
90°	21.9
92.5°	20.6
95°	17.8
97.5°	15.1
100°	11.0
102.5°	8.2
105°	5.5
107.5°	2.7
110°	1.4



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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)