

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: P229197

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P229197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-12)
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-CF
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL FROSTED GLASS KIT.
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1656.4 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.55
Luminous Opening: Vertical Cylinder (Dia: 0.46' x H: 0.49')
CIE Type: Direct

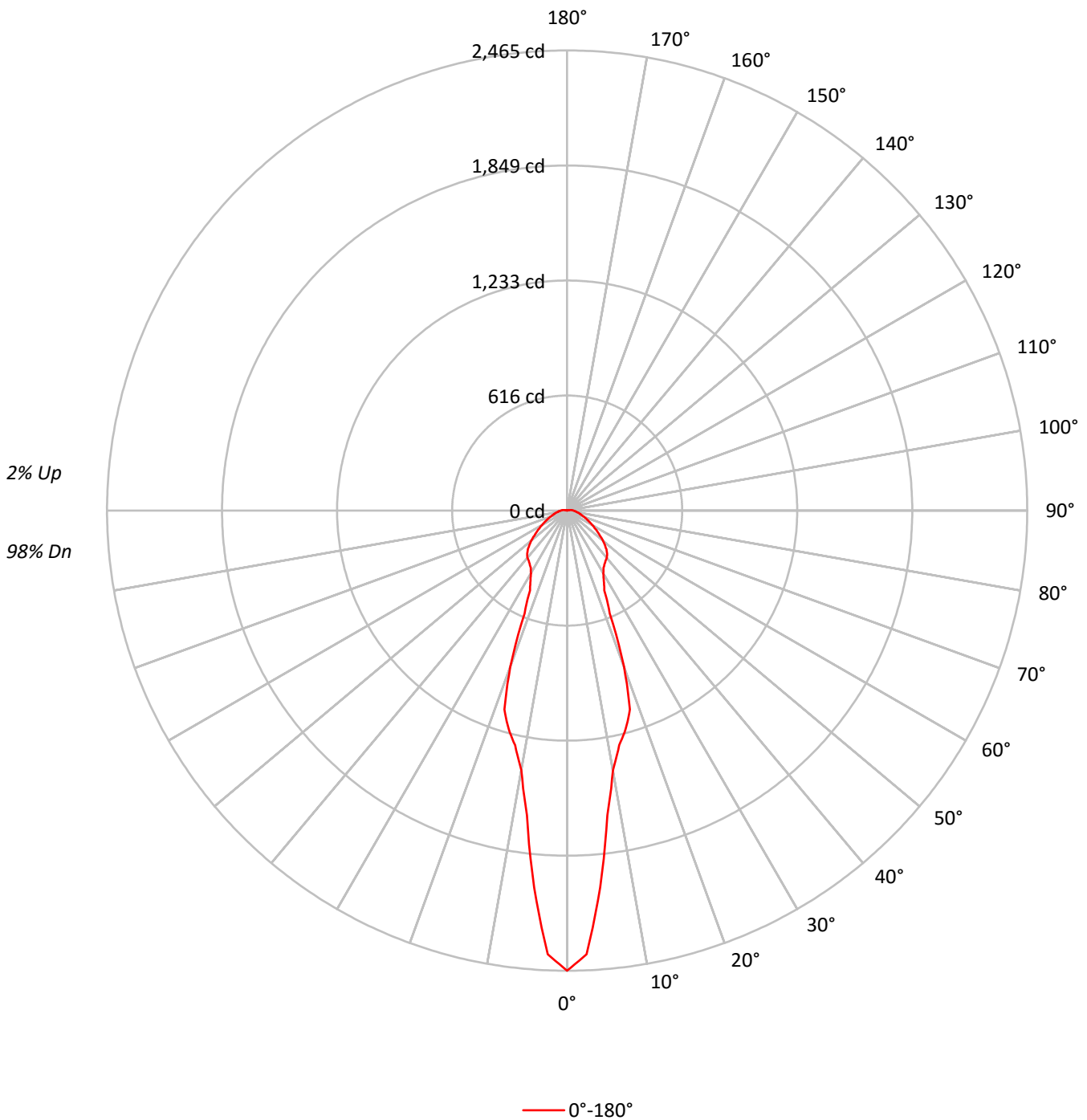
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	98	107	103	99	96	98	95	93	94	92	90	90	88	87	84
2	101	94	88	83	99	92	87	82	88	84	80	85	81	78	82	79	76	74
3	94	85	78	72	92	83	77	72	80	75	70	77	73	69	75	71	67	65
4	88	77	70	64	85	76	69	64	73	67	63	71	66	62	69	64	61	59
5	82	71	63	58	80	70	63	57	68	61	56	66	60	56	64	59	55	53
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50	49
7	73	61	53	48	71	60	53	48	58	52	47	57	51	47	55	50	47	45
8	69	57	50	44	67	56	49	44	55	48	44	53	48	44	52	47	43	42
9	65	53	46	41	64	53	46	41	52	45	41	50	45	41	49	44	40	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	160792
5°	118632
10°	75442
15°	59962
20°	41345
25°	20787
30°	16364
35°	14262
40°	13145
45°	11650
50°	9693
55°	7681
60°	6093
65°	4820
70°	3769
75°	3012
80°	2471
85°	1986



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	10.4
10°-20°	331.4	20.0
20°-30°	240.6	14.5
30°-40°	220.8	13.3
40°-50°	227.7	13.7
50°-60°	179.0	10.8
60°-70°	121.7	7.3
70°-80°	77.9	4.7
80°-90°	48.2	2.9
90°-100°	27.9	1.7
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°	744.6	45.0
0°-40°	965.4	58.3
0°-60°	1372.1	82.8
0°-90°	1619.9	97.8
90°-120°	36.5	2.2
90°-150°	36.5	2.2
90°-180°	37.0	2.2
0°-180°	1656.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2465	
5°	2027	173
15°	1211	331
25°	472	241
35°	350	221
45°	298	228
55°	199	179
65°	122	122
75°	73	78
85°	44	38
90°	32	18
95°	27	19
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°	2464.6
2.5°	2378.6
5°	2027.0
7.5°	1646.9
10°	1411.9
12.5°	1287.7
15°	1211.3
17.5°	1117.6
20°	890.3
22.5°	596.1
25°	471.9
27.5°	424.1
30°	387.8
32.5°	363.0
35°	349.6
37.5°	338.2
40°	330.5
42.5°	317.1
45°	298.0
47.5°	275.1
50°	250.3
52.5°	223.5
55°	198.7
57.5°	175.8
60°	156.7
62.5°	137.6
65°	122.3
67.5°	107.0
70°	93.6
72.5°	82.2
75°	72.6
77.5°	65.0
80°	57.3
82.5°	49.7
85°	43.9
87.5°	38.2
90°	32.5
92.5°	30.6
95°	26.7
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)