



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
Eaton Lighting Division
(formerly Cooper Lighting)

Brand: FAIL-SAFE

Report Number: ITL50367

Luminaire Tested: **2VRGC-417A-DBLPAF**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Eaton or from external interests.



Test Information

Test Method: LM-79-08
Report Number: ITL50367
Test Lab:
Issue Date: 3/3/2020
Manufacturer: EATON (FORMERLY COOPER LIGHTING)
Product Line: FAIL-SAFE
Catalog Number: 2VRGC-417A-DBLPAF
Description: FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH,
FABRICATED WHITE PAINTED METAL BALLAST COVER, CLEAR ACRYLIC
PRISMATIC LENS IN FABRICATED WHITE PAINTED METAL DOOR FRAME.
Light Source: FOUR 17-WATT T-8 F17T8/TL841 LINEAR FLUORESCENTS.
Ballast/Driver: MAGNETEK B432I120RH, L.O.B.F. = 92.0% *

Luminaire Equipment:	<u>Sample No.</u>	<u>Condition</u>	<u>Description</u>
	a	good	reflector
	b	good	lens
	c	good	housing
	d	good	cord

Summary

Lumens per Lamp: 1400 (4 lamps)
Luminaire Lumens: 4222.4 lumens
Efficiency: 75.4%
Efficacy: 70.1 lumens/watt
Luminous Opening: Rectangular (W 1.79' x L: 1.81' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

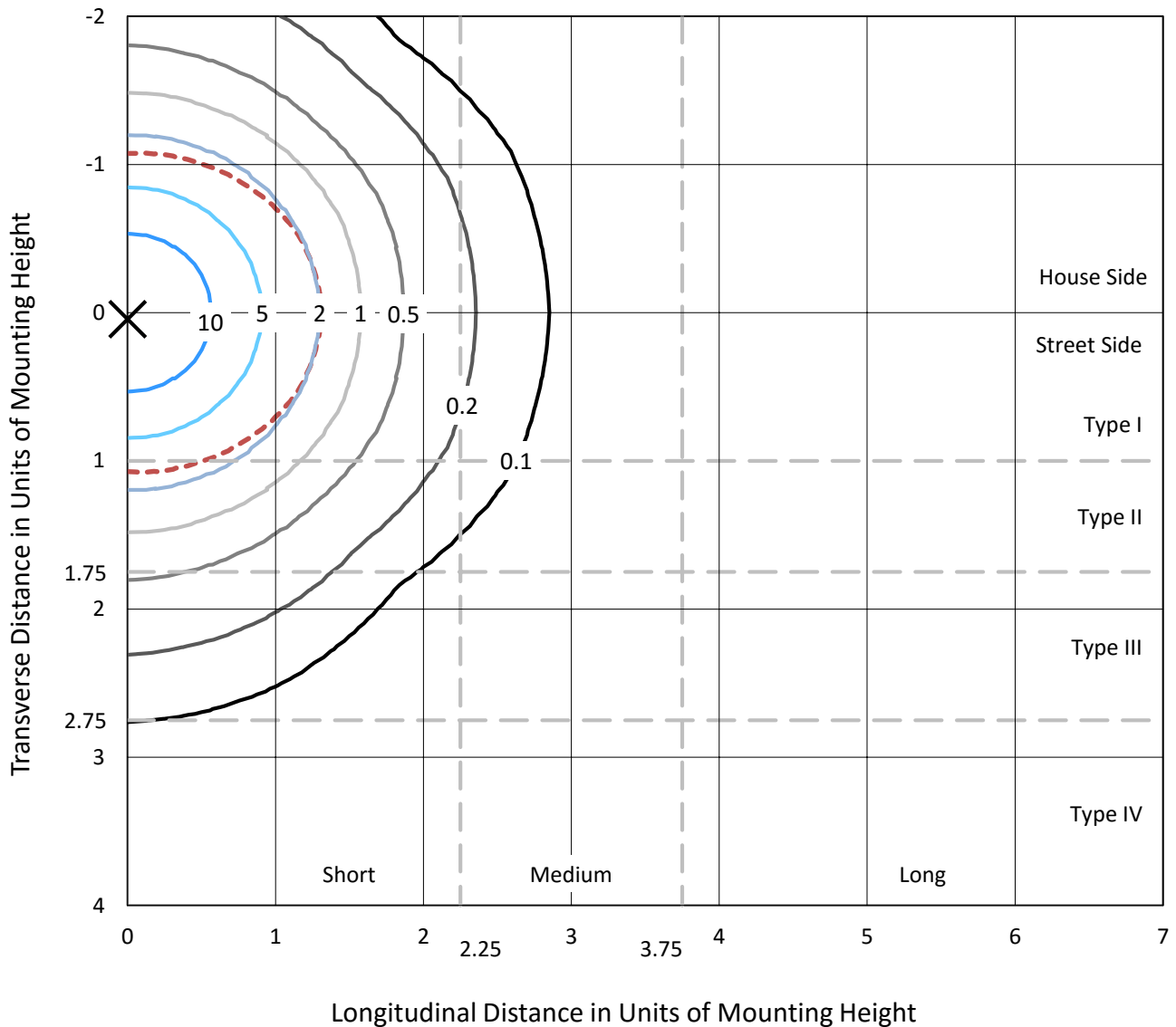
Input Watts (W): 60.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

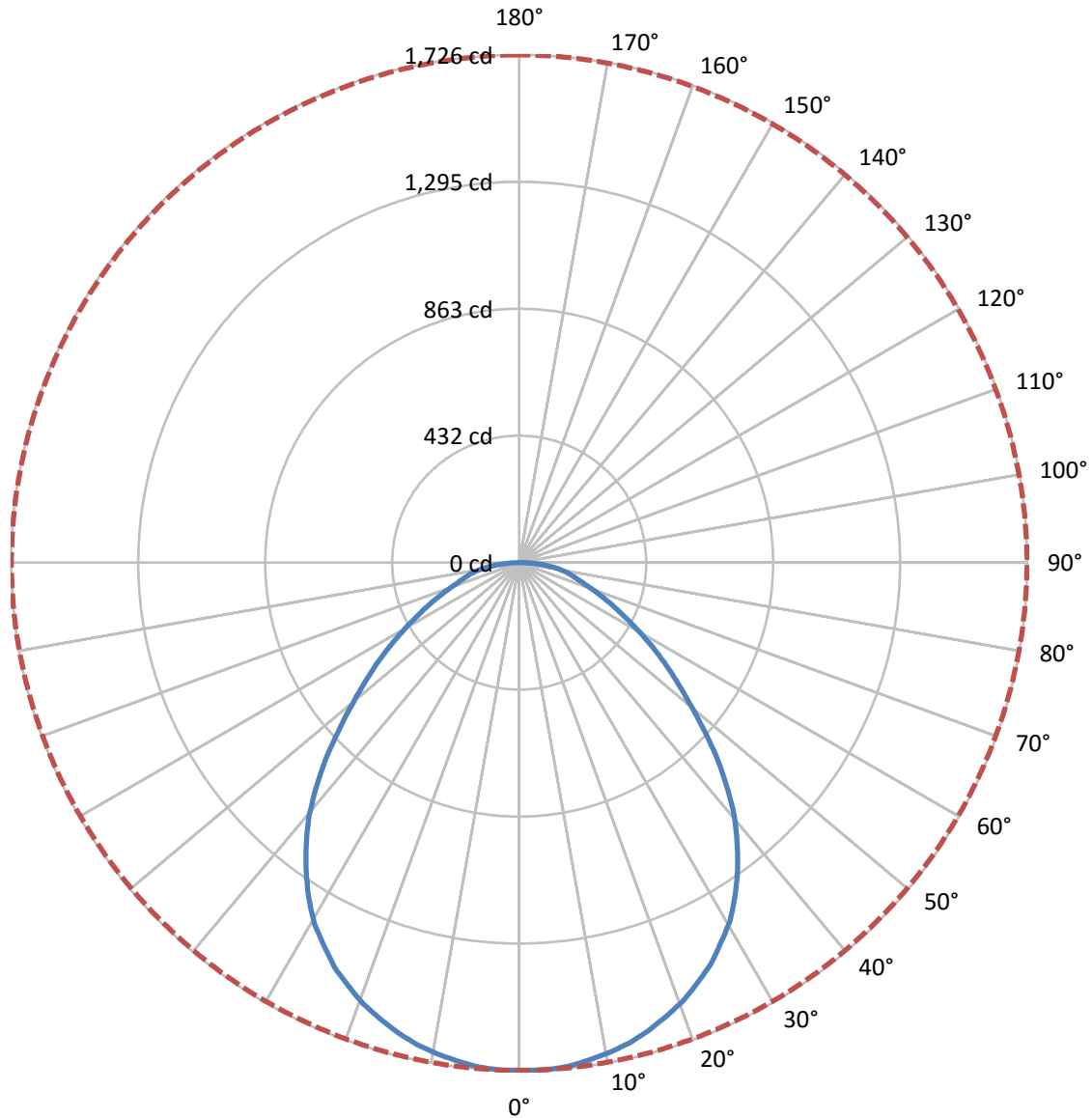


Based on 10 foot mounting height. Maximum calculated value = 17.2 fc
 Type V - Short - Full Cutoff



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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical



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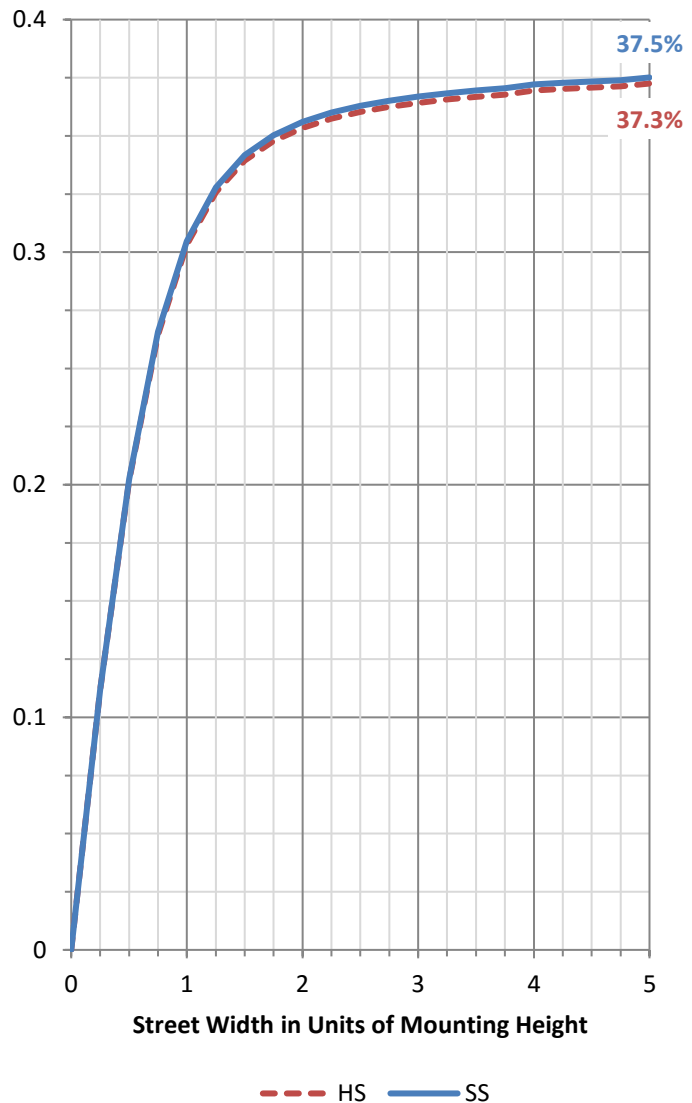
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2111.2	0.0	2111.2
	% Lamp	37.7	0.0	37.7
Street Side	Lumens	2111.2	0.0	2111.2
	% Lamp	37.7	0.0	37.7
Total	Lumens	4222.4	0.0	4222.4
	% Lamp	75.4	0.0	75.4

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	163.5	3.9	2.9
10°-20°	471.9	11.2	8.4
20°-30°	716.8	17.0	12.8
30°-40°	840.2	19.9	15.0
40°-50°	797.5	18.9	14.2
50°-60°	604.6	14.3	10.8
60°-70°	346.6	8.2	6.2
70°-80°	199.6	4.7	3.6
80°-90°	81.5	1.9	1.5
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	4222.4	100.0	75.4
0°-180°	4222.4	100.0	75.4





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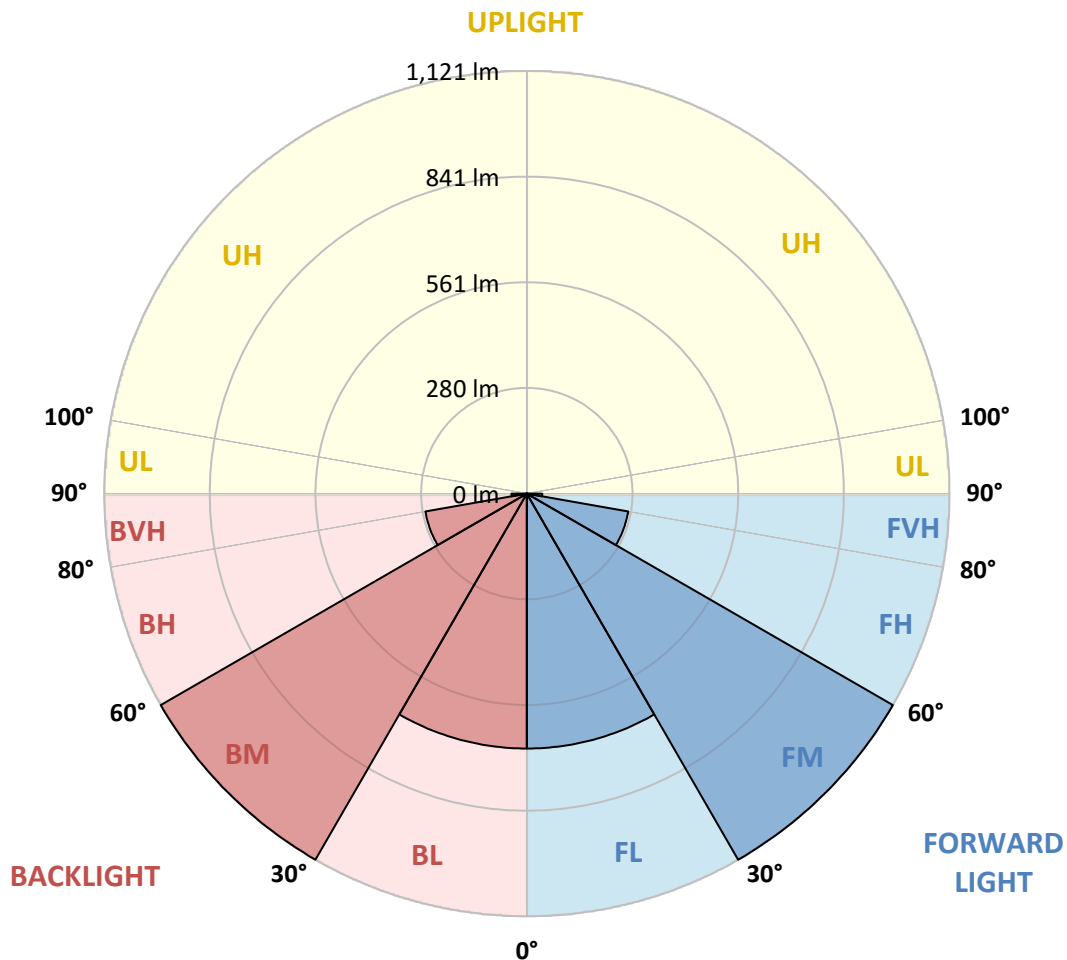
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	676.1	12.1			
FM	(30°-60°)	1121.2	20.0			
FH	(60°-80°)	273.1	4.9			G0/660
FVH	(80°-90°)	40.7	0.7			G1/100
BL	(0°-30°)	676.1	12.1	B2/1000		
BM	(30°-60°)	1121.2	20.0	B2/2500		
BH	(60°-80°)	273.1	4.9	B1/500		G0/660
BVH	(80°-90°)	40.7	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		1377.6	24.6			

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1725	1725	1725	1725	1725
2.5°	1726	1722	1721	1723	1726
5°	1720	1717	1717	1721	1723
7.5°	1707	1707	1710	1717	1720
10°	1692	1693	1700	1710	1714
12.5°	1674	1676	1687	1701	1707
15°	1649	1654	1671	1689	1695
17.5°	1620	1630	1651	1674	1680
20°	1590	1599	1626	1653	1660
22.5°	1551	1565	1597	1627	1631
25°	1512	1528	1561	1592	1598
27.5°	1461	1485	1516	1547	1553
30°	1412	1432	1469	1501	1508
32.5°	1348	1372	1412	1448	1457
35°	1278	1306	1346	1391	1408
37.5°	1203	1231	1276	1332	1352
40°	1124	1153	1199	1262	1297
42.5°	1032	1066	1112	1188	1234
45°	939	970	1017	1100	1156
47.5°	840	880	936	1018	1072
50°	750	790	853	929	977
52.5°	670	703	774	840	873
55°	597	613	679	746	760
57.5°	527	528	574	647	646
60°	460	449	473	540	542
62.5°	398	381	382	447	448
65°	347	326	305	375	374
67.5°	299	276	242	316	324
70°	255	237	194	271	283
72.5°	219	205	166	236	254
75°	192	179	153	206	229
77.5°	169	154	145	179	204
80°	142	128	131	150	171
82.5°	107	99	103	123	132
85°	75	73	70	91	85
87.5°	34	41	33	48	35
90°	0	0	0	0	0

(END OF REPORT)