



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: LSI4537P

Luminaire Tested: **2VRGC-2U6-ACTF140**

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: LSI4537P  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: EATON (FORMERLY COOPER LIGHTING)  
Product Line: FAIL-SAFE  
Catalog Number: 2VRGC-2U6-ACTF140  
Description: FAIL-SAFE  
Light Source: 2875 LUMENS  
F40CW-U-6  
Ballast/Driver: STANDARD

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: 2875 (2 lamps)  
Luminaire Lumens: 3938.2 lumens  
Efficiency: 68.5%  
Efficacy: 42.8 lumens/watt  
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

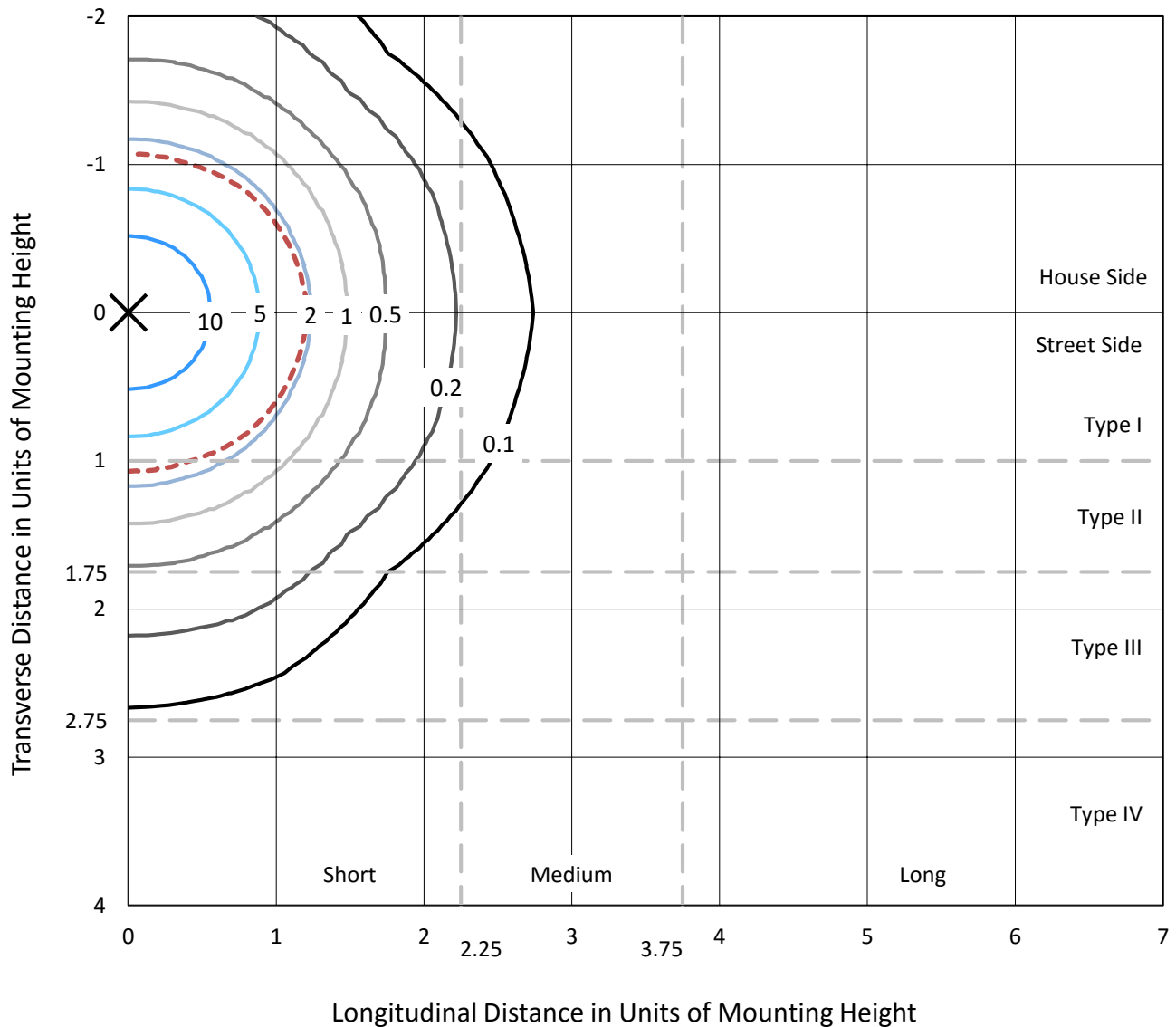
Input Watts (W): 92  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

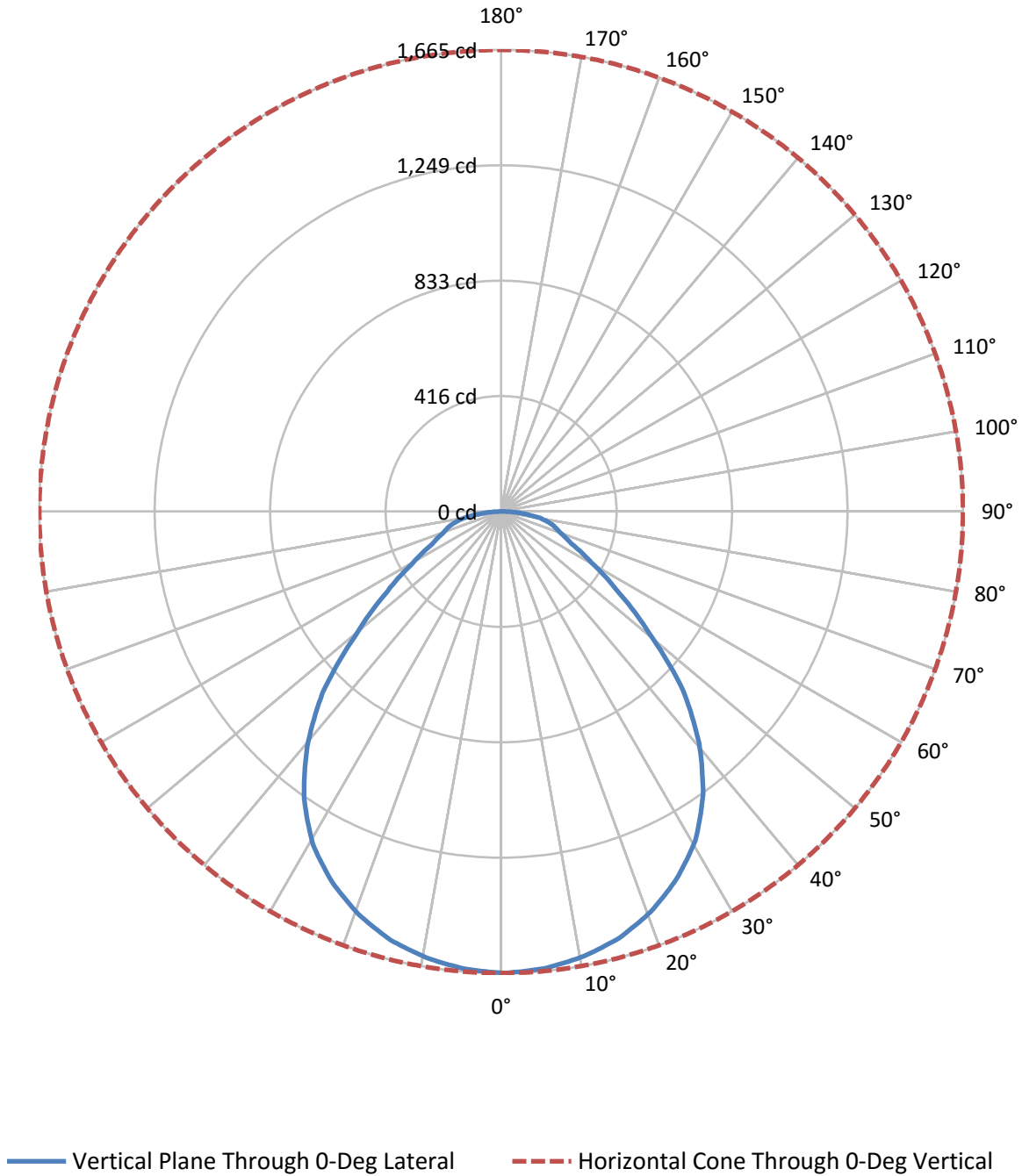
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot





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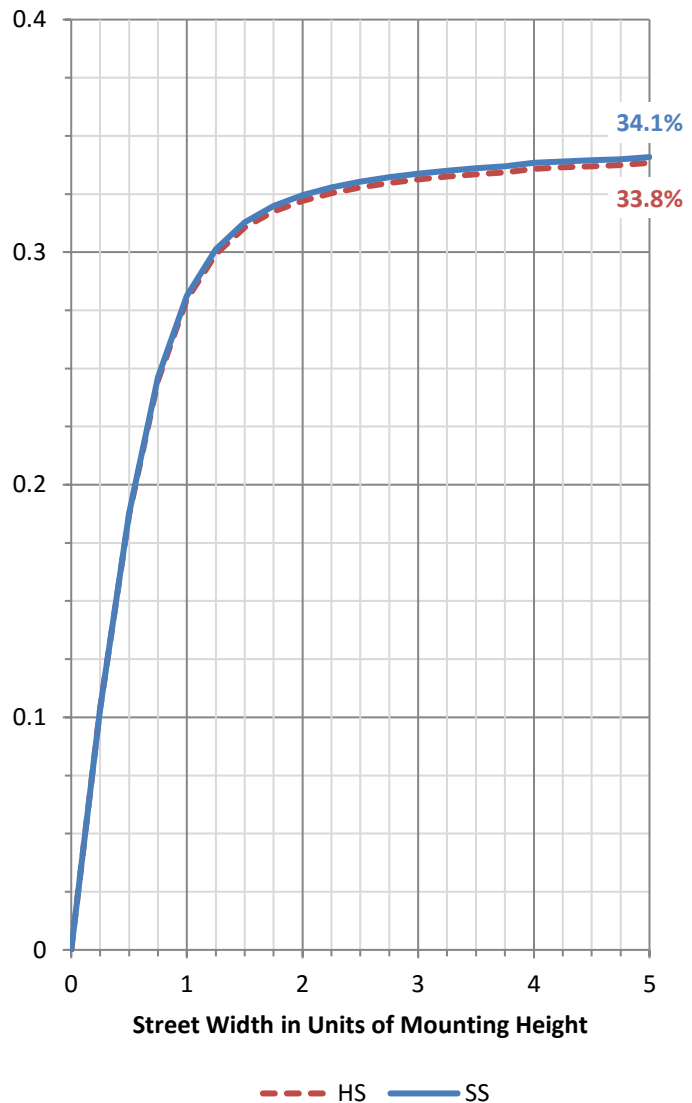
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1969.1	0.0	1969.1
	% Lamp	34.2	0.0	34.2
<b>Street Side</b>	Lumens	1969.1	0.0	1969.1
	% Lamp	34.2	0.0	34.2
<b>Total</b>	Lumens	3938.2	0.0	3938.2
	% Lamp	68.5	0.0	68.5

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	157.8	4.0	2.7
10°-20°	456.0	11.6	7.9
20°-30°	698.0	17.7	12.1
30°-40°	827.8	21.0	14.4
40°-50°	756.5	19.2	13.2
50°-60°	515.9	13.1	9.0
60°-70°	285.7	7.3	5.0
70°-80°	176.5	4.5	3.1
80°-90°	63.9	1.6	1.1
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°	3938.2	100.0	68.5
0°-180°	3938.2	100.0	68.5





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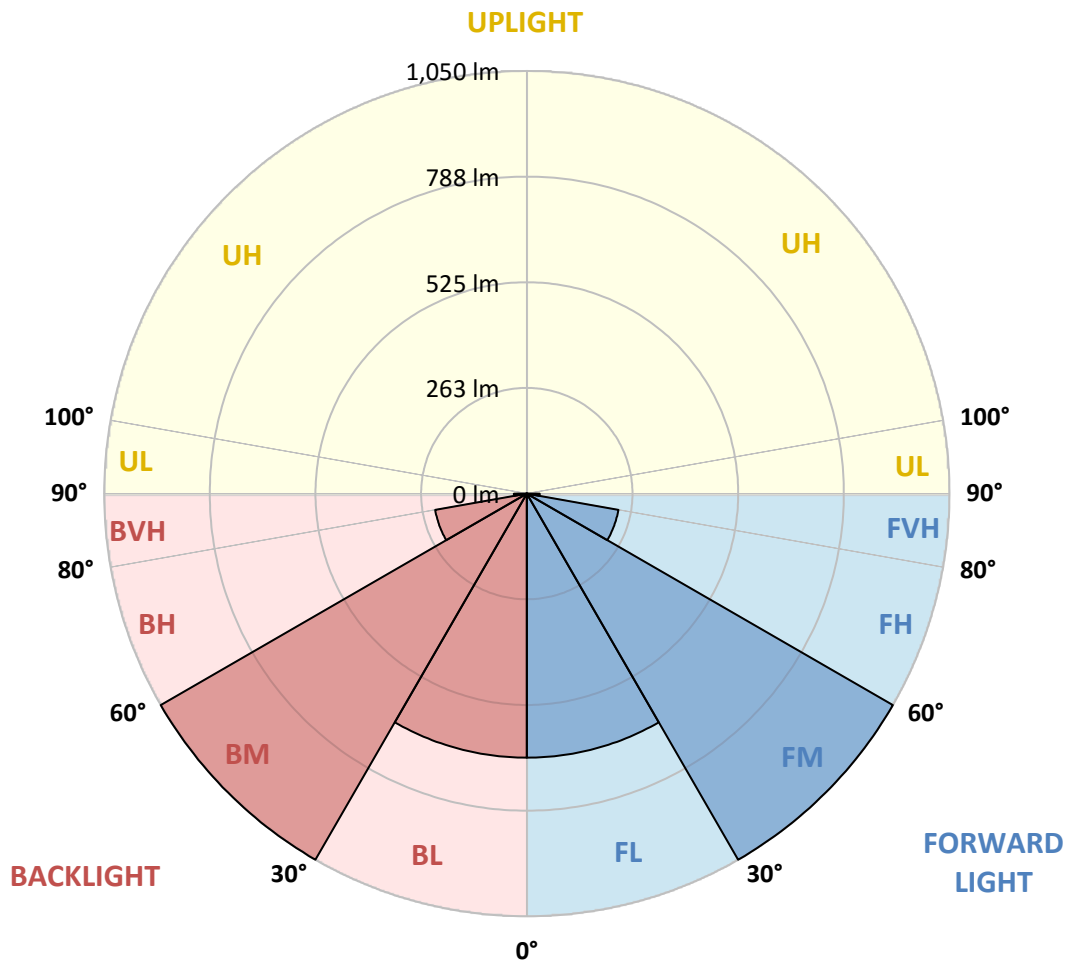
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	655.9	11.4			
FM (30°-60°)	1050.1	18.3			
FH (60°-80°)	231.1	4.0			G0/660
FVH (80°-90°)	32.0	0.6			G1/100
BL (0°-30°)	655.9	11.4	B2/1000		
BM (30°-60°)	1050.1	18.3	B2/2500		
BH (60°-80°)	231.1	4.0	B1/500		G0/660
BVH (80°-90°)	32.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	1811.8	31.5			

**BUG Rating: B2-U0-G1**

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1665	1665	1665	1665	1665
5°	1655	1651	1662	1657	1663
10°	1632	1637	1641	1651	1651
15°	1596	1601	1613	1633	1641
20°	1541	1547	1567	1598	1607
25°	1469	1481	1517	1549	1561
30°	1379	1394	1446	1486	1504
35°	1254	1282	1342	1378	1391
40°	1099	1124	1189	1237	1266
45°	919	916	977	1034	1086
50°	693	731	786	818	855
55°	513	536	579	601	601
60°	373	387	395	421	405
65°	277	283	240	291	293
70°	224	220	159	216	247
75°	191	165	151	174	205
80°	142	110	107	110	138
85°	63	58	54	61	63
90°	0	0	0	0	0

(END OF REPORT)