



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: LSI4570P

Luminaire Tested: **VRGC-240-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: LSI4570P
Test Lab:
Issue Date: 3/3/2020
Manufacturer: EATON (FORMERLY COOPER LIGHTING)
Product Line: FAIL-SAFE
Catalog Number: VRGC-240-ACTF140
Description: FAIL-SAFE
Light Source: 3150 LUMENS
F40T12-CW
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: 3150 (2 lamps)
Luminaire Lumens: 4144.6 lumens
Efficiency: 65.8%
Efficacy: 45.1 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 3.75' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

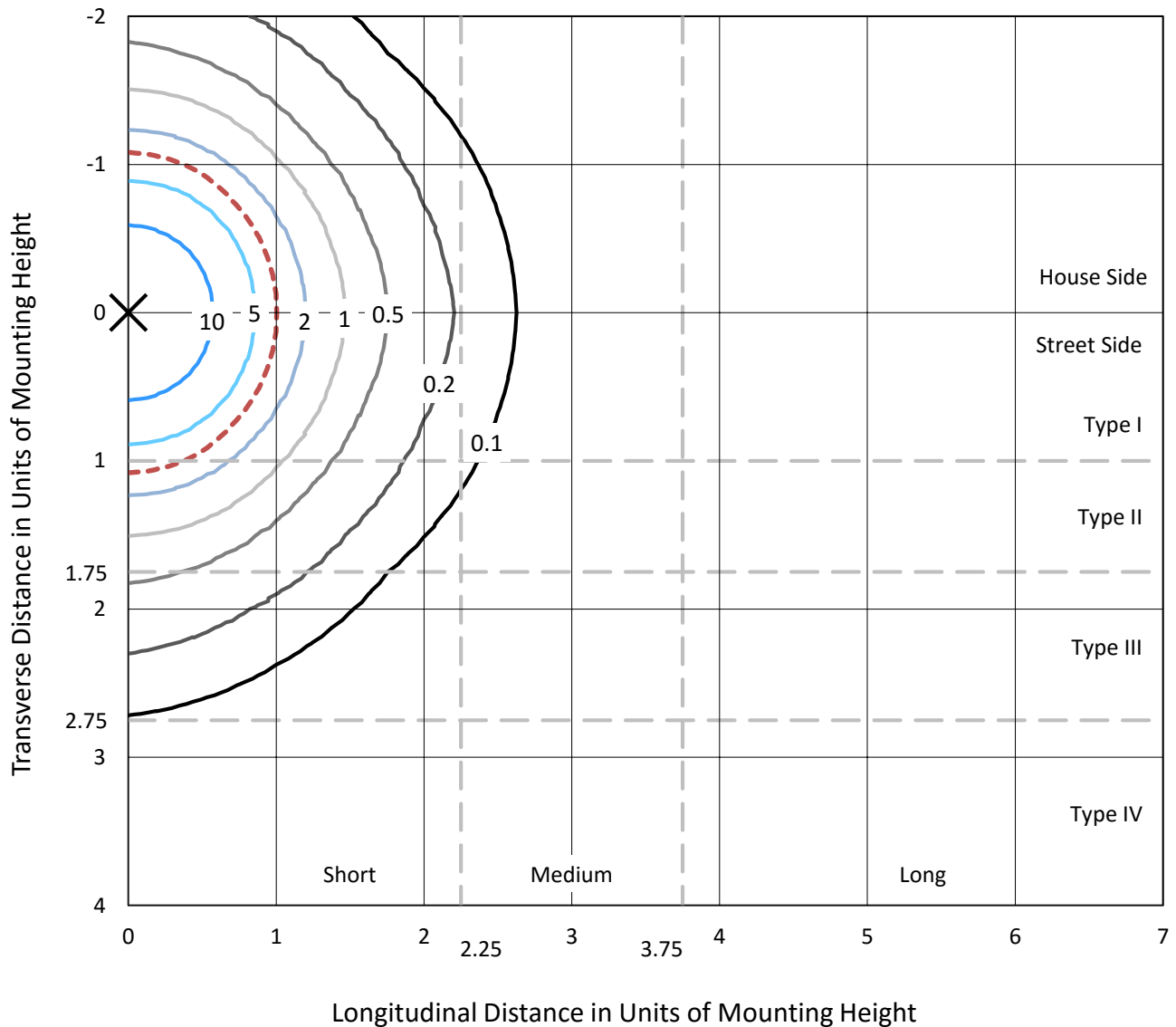
Input Watts (W): 92
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

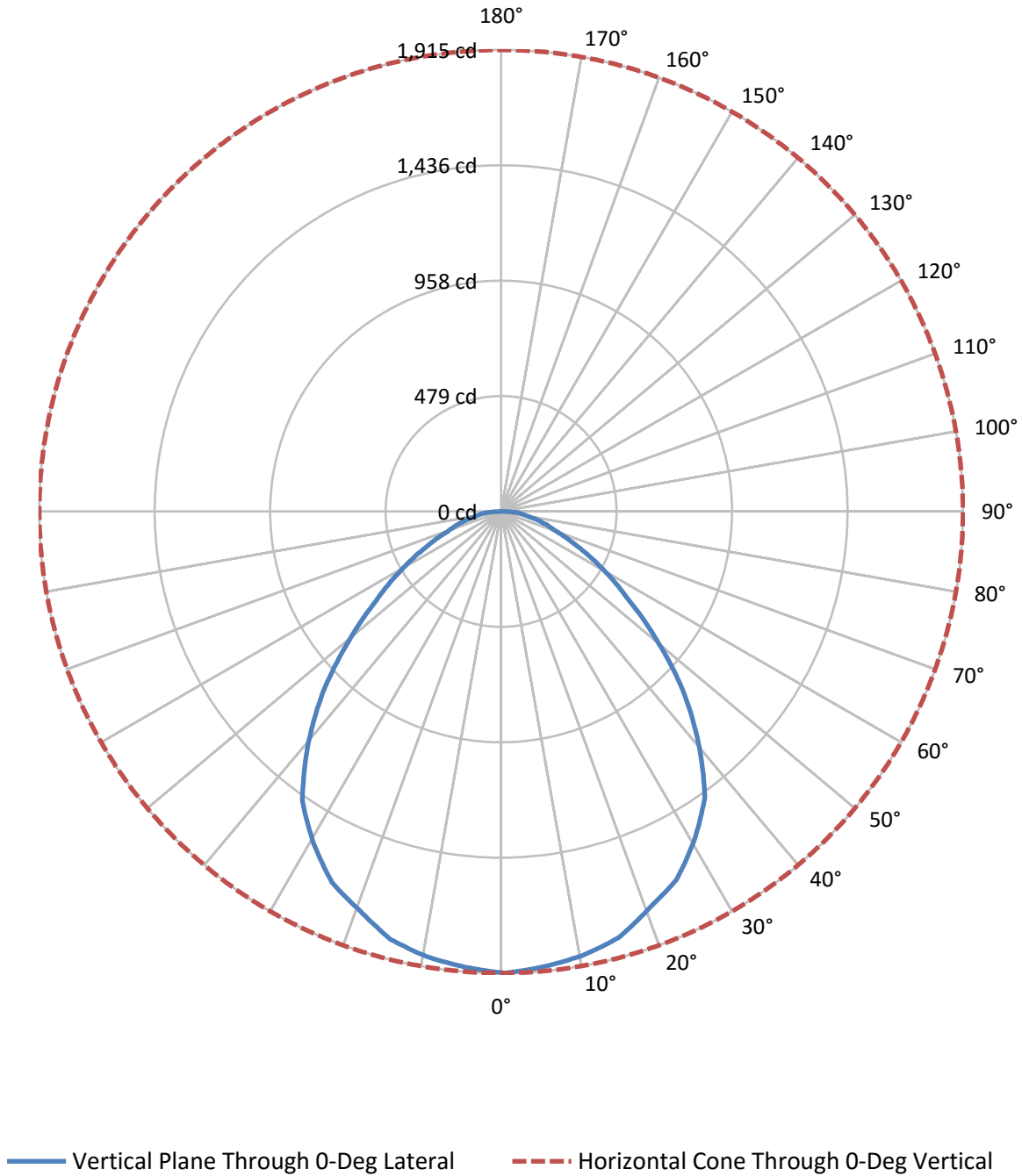


Based on 10 foot mounting height. Maximum calculated value = 19.2 fc
 Type V - Short - Full Cutoff



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Luminous Intensity Polar Plot





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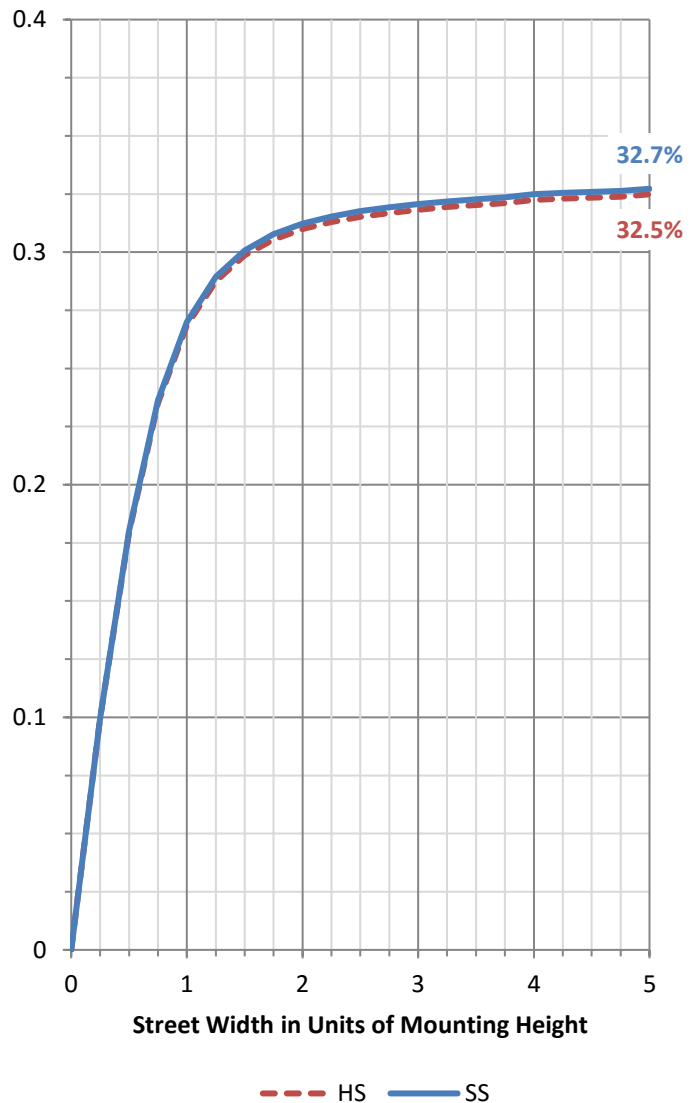
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2072.3	0.0	2072.3
	% Lamp	32.9	0.0	32.9
Street Side	Lumens	2072.3	0.0	2072.3
	% Lamp	32.9	0.0	32.9
Total	Lumens	4144.6	0.0	4144.6
	% Lamp	65.8	0.0	65.8

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	180.6	4.4	2.9
10°-20°	515.7	12.4	8.2
20°-30°	768.7	18.5	12.2
30°-40°	873.7	21.1	13.9
40°-50°	771.6	18.6	12.2
50°-60°	521.0	12.6	8.3
60°-70°	280.1	6.8	4.4
70°-80°	164.5	4.0	2.6
80°-90°	68.8	1.7	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°	4144.6	100.0	65.8
0°-180°	4144.6	100.0	65.8





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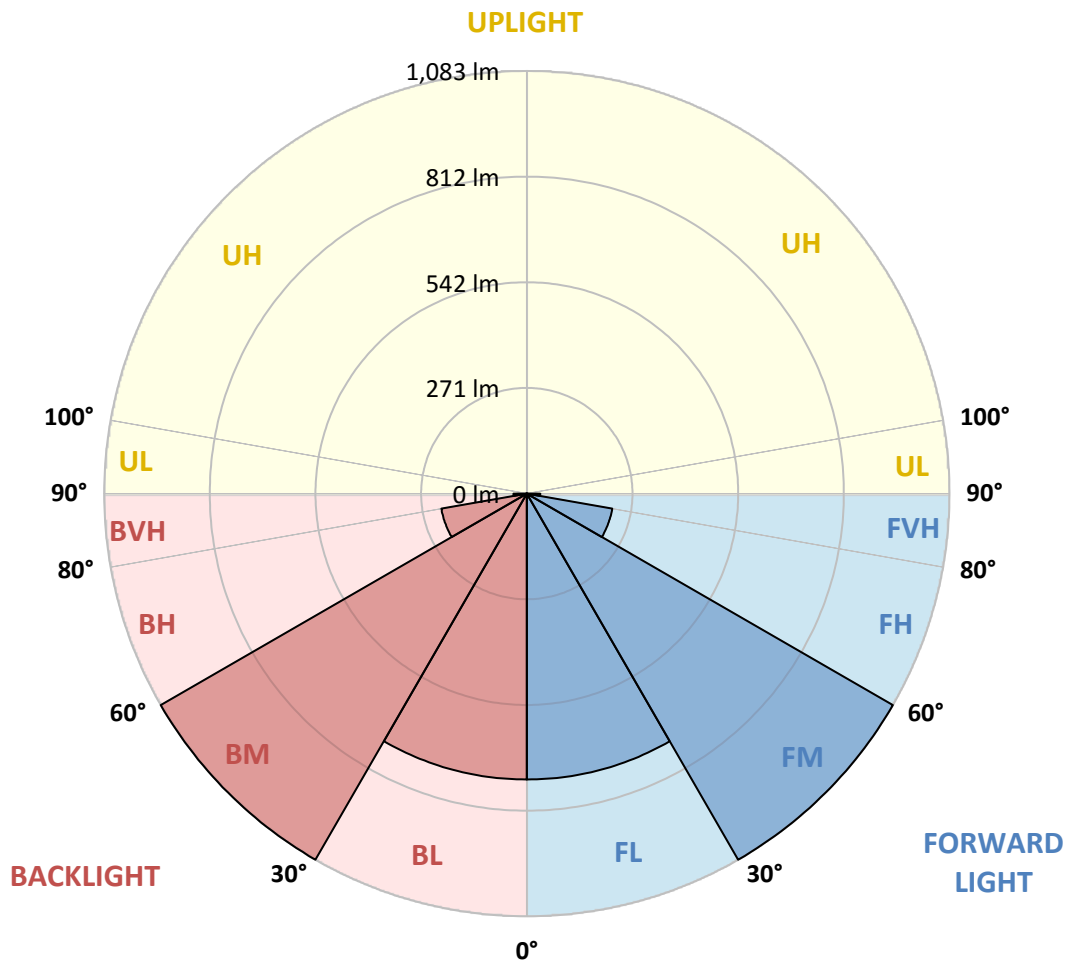
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	732.5	11.6			
FM	(30°-60°)	1083.1	17.2			
FH	(60°-80°)	222.3	3.5			G0/660
FVH	(80°-90°)	34.4	0.5			G1/100
BL	(0°-30°)	732.5	11.6	B2/1000		
BM	(30°-60°)	1083.1	17.2	B2/2500		
BH	(60°-80°)	222.3	3.5	B1/500		G0/660
BVH	(80°-90°)	34.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		2155.4	34.2			

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1915	1915	1915	1915	1915
5°	1896	1887	1903	1907	1910
10°	1872	1861	1878	1879	1877
15°	1833	1821	1830	1838	1824
20°	1756	1767	1769	1762	1756
25°	1691	1683	1681	1662	1645
30°	1580	1566	1547	1541	1528
35°	1455	1442	1415	1371	1358
40°	1260	1260	1218	1176	1151
45°	1055	1044	1000	975	962
50°	833	812	753	747	751
55°	635	611	549	549	575
60°	483	418	363	370	424
65°	347	271	238	250	291
70°	237	193	160	196	208
75°	171	162	148	146	154
80°	105	125	124	125	112
85°	72	60	76	61	62
90°	0	0	0	0	0

(END OF REPORT)