

Scaled data based on original data using
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact
Fluorescent Lamps

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: SHAPER

Report Number: 18375

Luminaire Tested: **902-PT-CF1/32**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 18375
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 902-PT-CF1/32
Description: WHITE INTERIOR AND FROSTED PLASTIC TUBE LENS WITH BLUE GLASS TOP LENS
Light Source: ONE SYLVANIA 32 WATT CPFL LAMP

CF32DT/E/841. LUMEN RATING = 2400 LMS.

Ballast/Driver: -

Summary

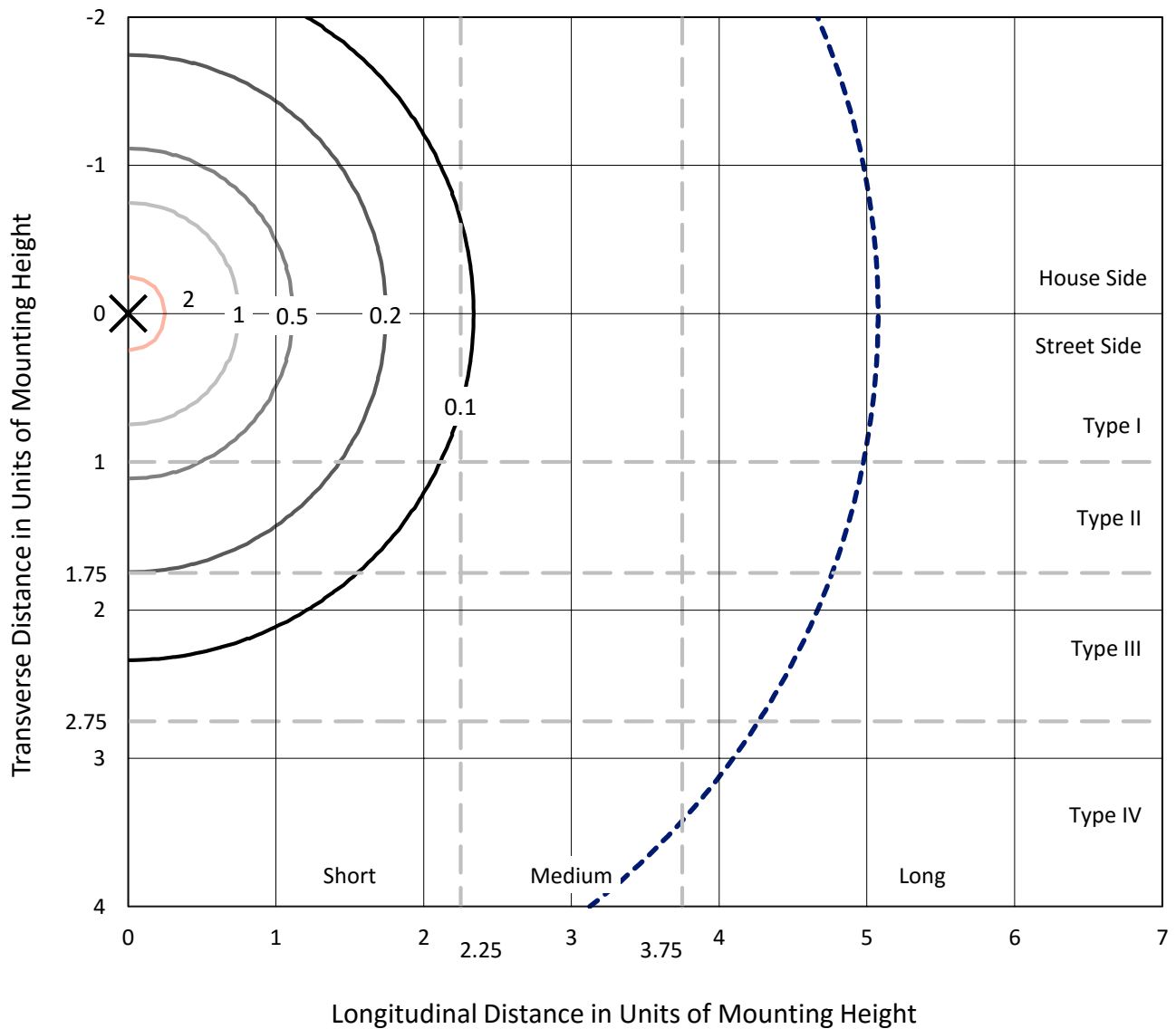
Lumens per Lamp: 2400 (1 lamp)
Luminaire Lumens: 812 lumens
Efficiency: 33.8%
Efficacy: 29.0 lumens/watt
Luminous Opening: (L: 0' x W: -0.67' x H: 0.08'
IES Classification: Type V - Short - Cutoff
BUG Rating: B1 - U1 - G1

Input Watts (W): 28
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

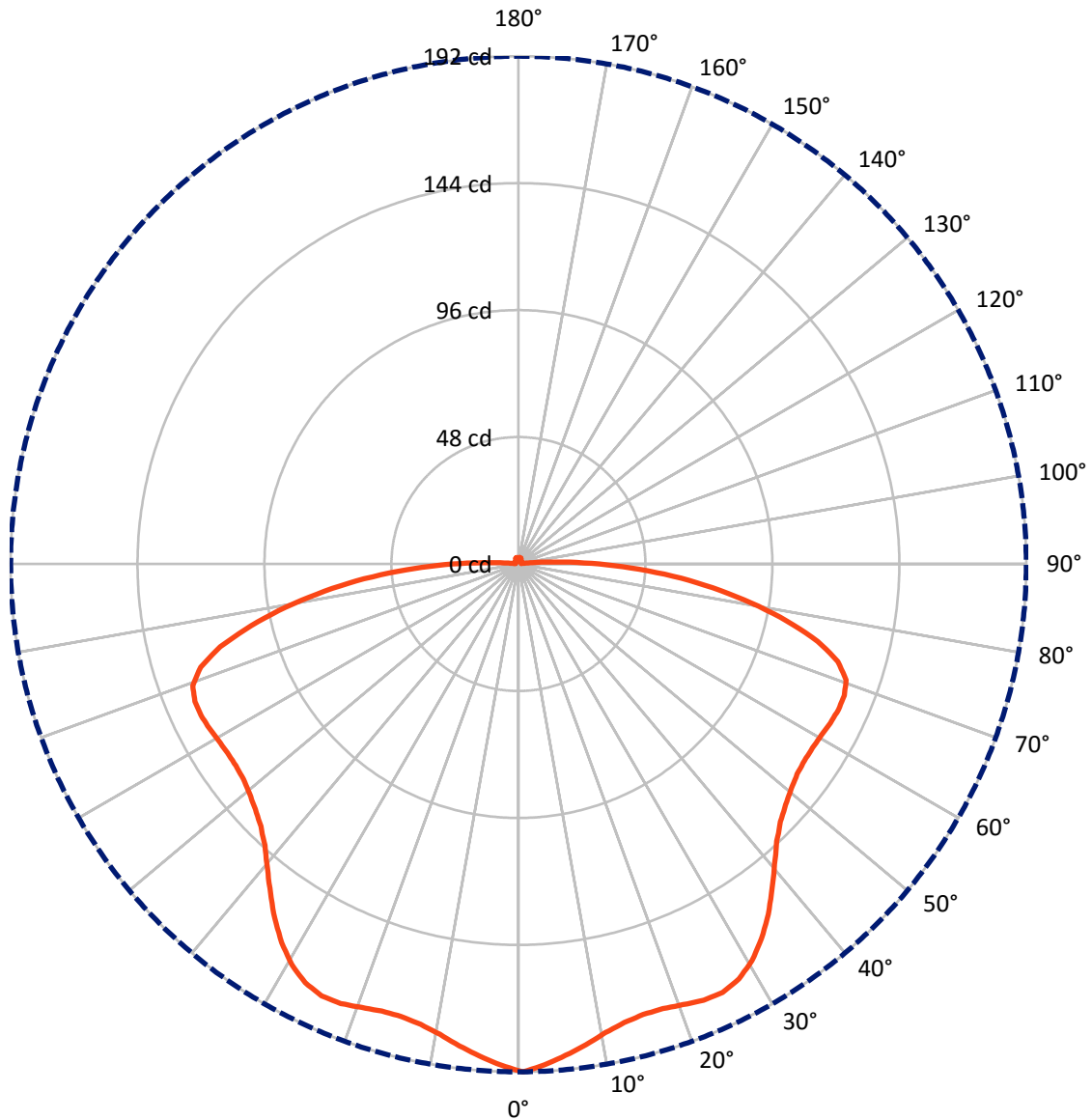
✕ Max cd
 - - - 1/2 Max cd



Based on 9 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Cutoff

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Luminous Intensity Polar Plot



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

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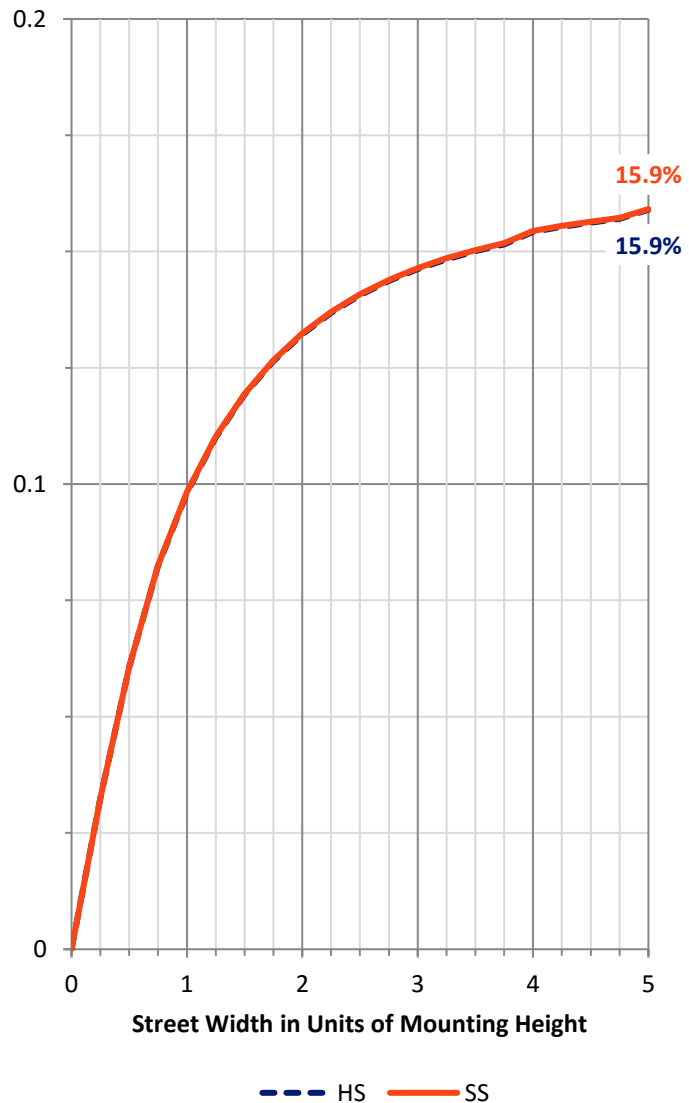
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	397.2	8.8	406.0
	% Lamp	16.6	0.4	16.9
Street Side	Lumens	397.2	8.8	406.0
	% Lamp	16.6	0.4	16.9
Total	Lumens	794.5	17.5	812.0
	% Lamp	33.1	0.7	33.8

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	17.6	2.2	0.7
10°-20°	50.3	6.2	2.1
20°-30°	82.4	10.1	3.4
30°-40°	101.6	12.5	4.2
40°-50°	108.2	13.3	4.5
50°-60°	118.2	14.6	4.9
60°-70°	131.5	16.2	5.5
70°-80°	120.9	14.9	5.0
80°-90°	63.7	7.8	2.7
90°-100°	9.6	1.2	0.4
100°-110°	1.2	0.1	0.0
110°-120°	1.3	0.2	0.1
120°-130°	1.2	0.2	0.1
130°-140°	1.1	0.1	0.0
140°-150°	1.2	0.1	0.0
150°-160°	1.1	0.1	0.0
160°-170°	0.7	0.1	0.0
170°-180°	0.2	0.0	0.0
0°-90°	794.5	97.8	33.1
0°-180°	812.0	100.0	33.8

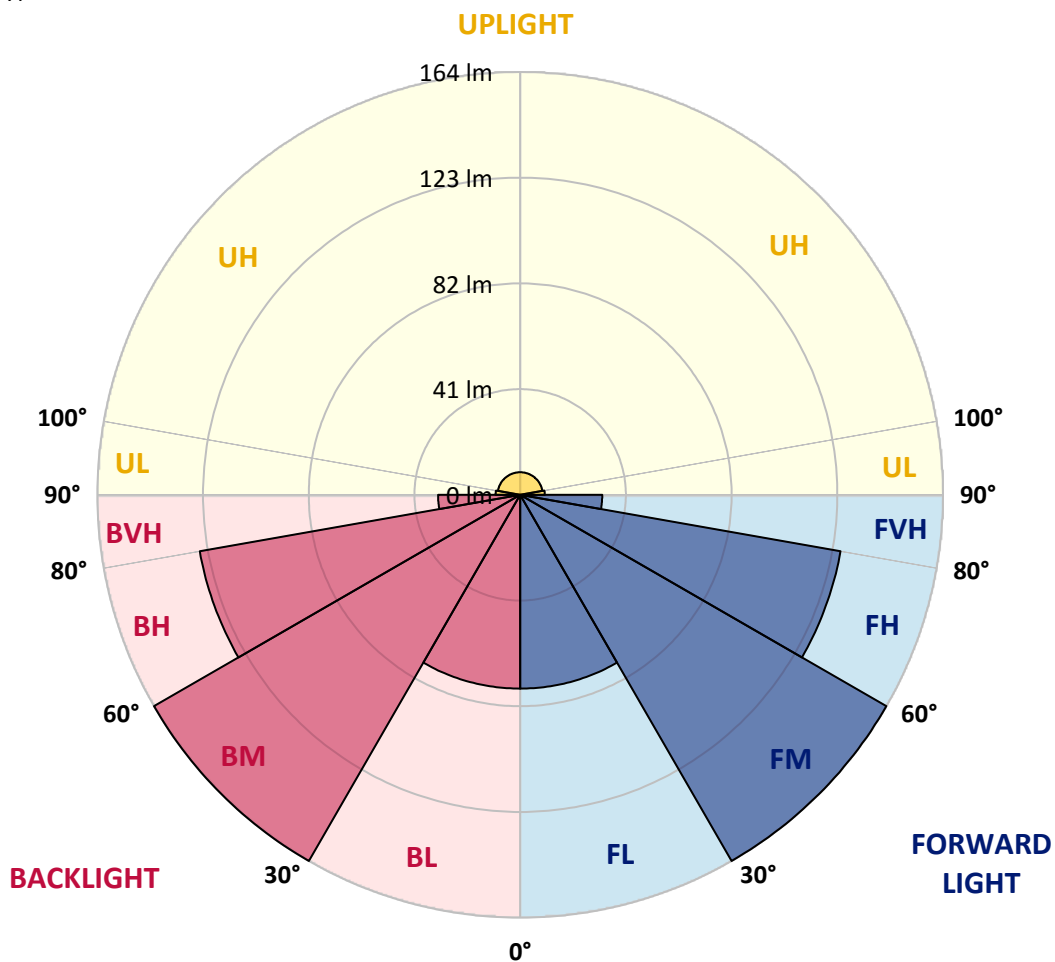


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.2	3.1			
FM (30°-60°)	164.0	6.8			
FH (60°-80°)	126.2	5.3			G0/660
FVH (80°-90°)	31.8	1.3			G1/100
BL (0°-30°)	75.2	3.1	B0/110		
BM (30°-60°)	164.0	6.8	B0/220		
BH (60°-80°)	126.2	5.3	B1/500		G0/660
BVH (80°-90°)	31.8	1.3			G1/100
UL (90°-100°)	9.6	0.4		U1/10	
UH (100°-180°)	8.8	0.4		U1/10	
Trapped Light	1588.0	66.2			

BUG Rating: B1-U1-G1
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	192.1
2.5°	189.7
5°	186.7
7.5°	183.6
10°	180.3
12.5°	178.0
15°	176.8
17.5°	176.8
20°	177.9
22.5°	179.3
25°	179.5
27.5°	177.7
30°	174.1
32.5°	168.9
35°	162.7
37.5°	155.8
40°	149.2
42.5°	143.3
45°	139.0
47.5°	136.0
50°	133.7
52.5°	132.0
55°	131.3
57.5°	131.2
60°	131.6
62.5°	132.4
65°	133.0
67.5°	132.9
70°	131.5
72.5°	126.4
75°	117.0
77.5°	103.8
80°	89.5
82.5°	74.0
85°	58.7
87.5°	42.4
90°	27.7
92.5°	13.7
95°	5.3
97.5°	1.5
100°	1.1
102.5°	1.1
105°	1.1
107.5°	1.1
110°	1.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.2
115°	1.3
117.5°	1.3
120°	1.3
122.5°	1.4
125°	1.4
127.5°	1.4
130°	1.4
132.5°	1.4
135°	1.5
137.5°	1.5
140°	1.6
142.5°	1.7
145°	1.9
147.5°	2.0
150°	2.1
152.5°	2.2
155°	2.3
157.5°	2.4
160°	2.5
162.5°	2.5
165°	2.5
167.5°	2.5
170°	2.5
172.5°	2.3
175°	2.2
177.5°	2.2
180°	2.1

(END OF REPORT)