

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: McGRAW-EDISON

Report Number: P595009

Luminaire Tested: **IST-PA1A-AMB-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: IST-PA1A-AMB-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1371.9 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

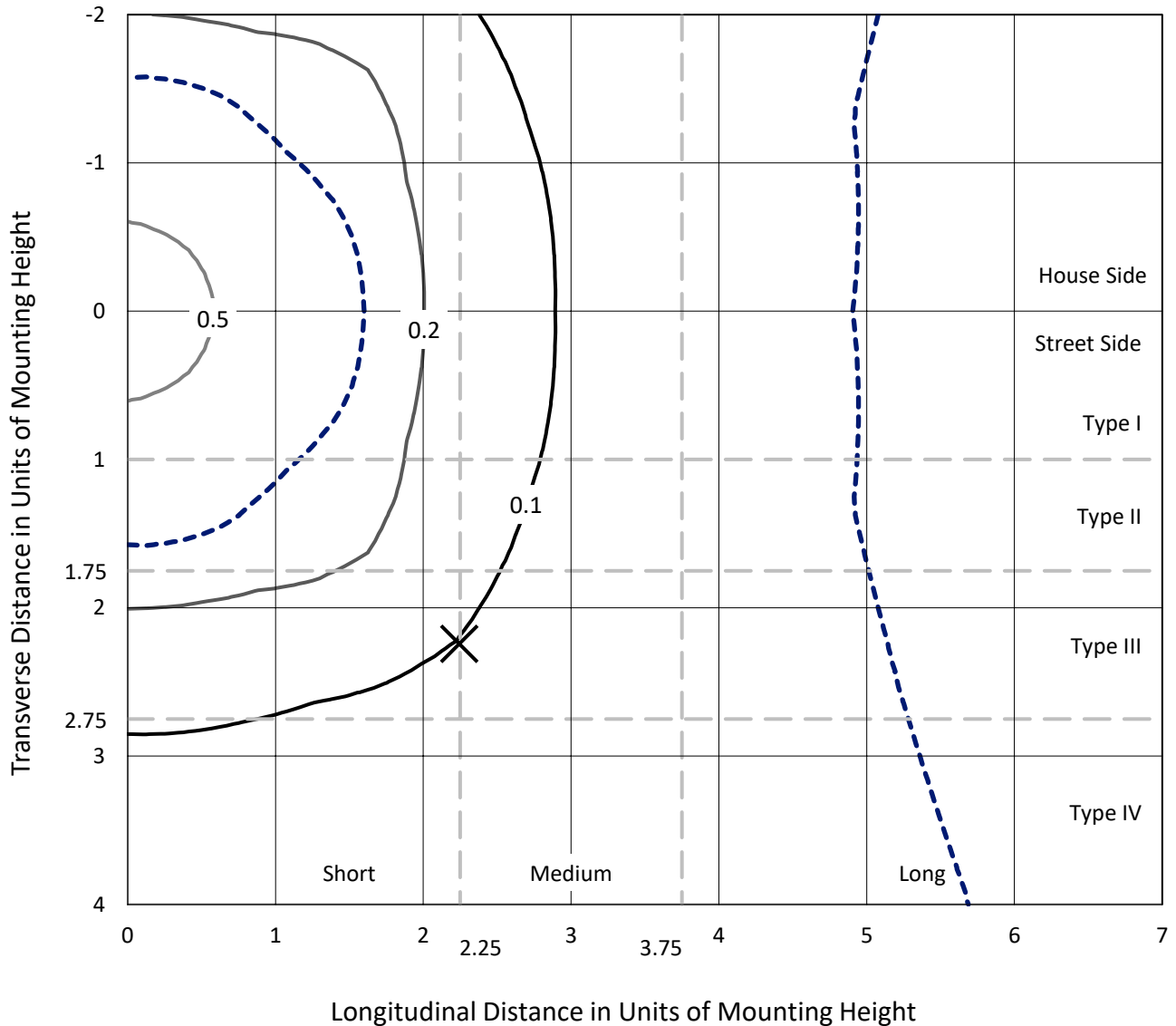
Input Watts (W): 31.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

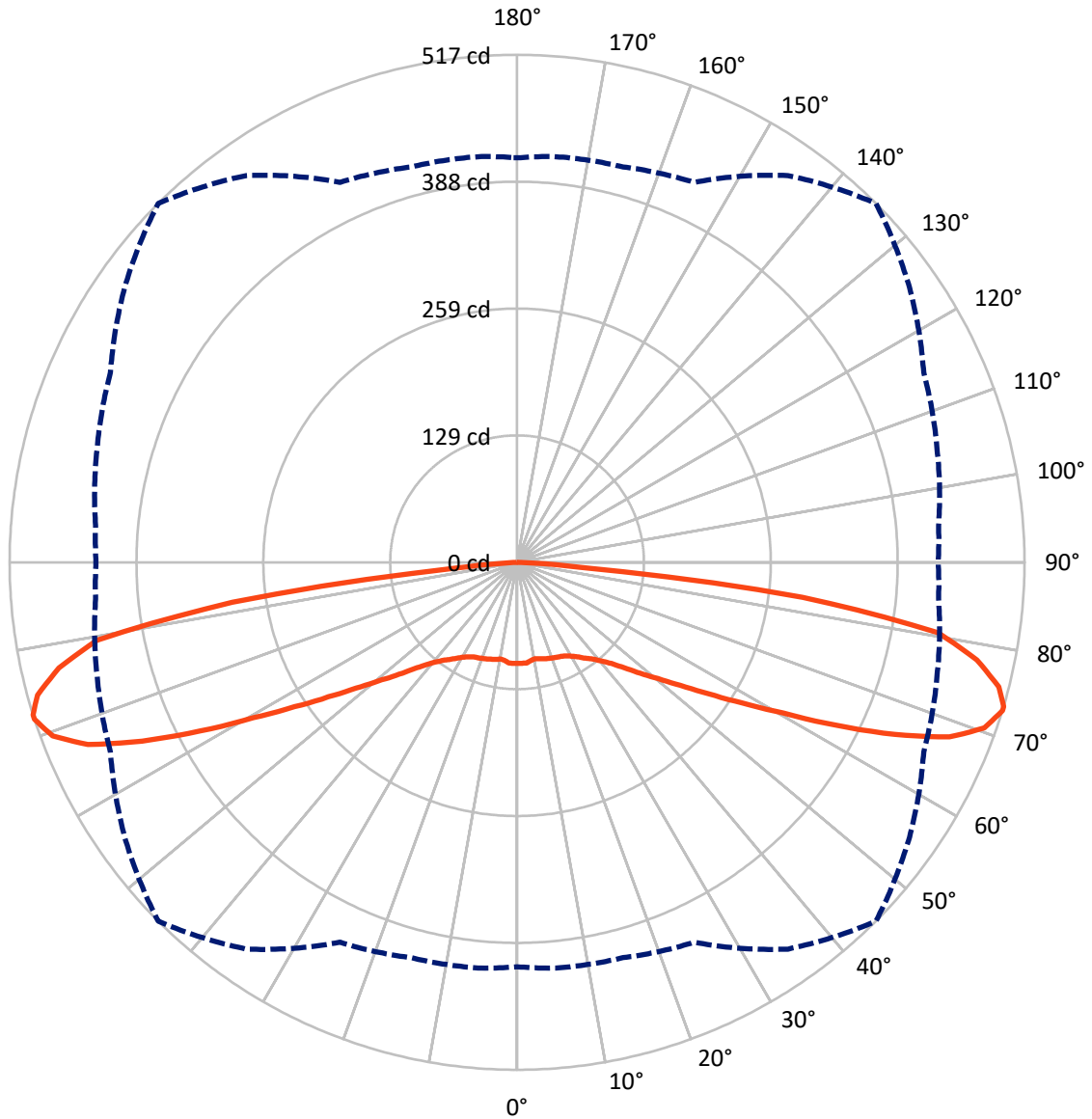
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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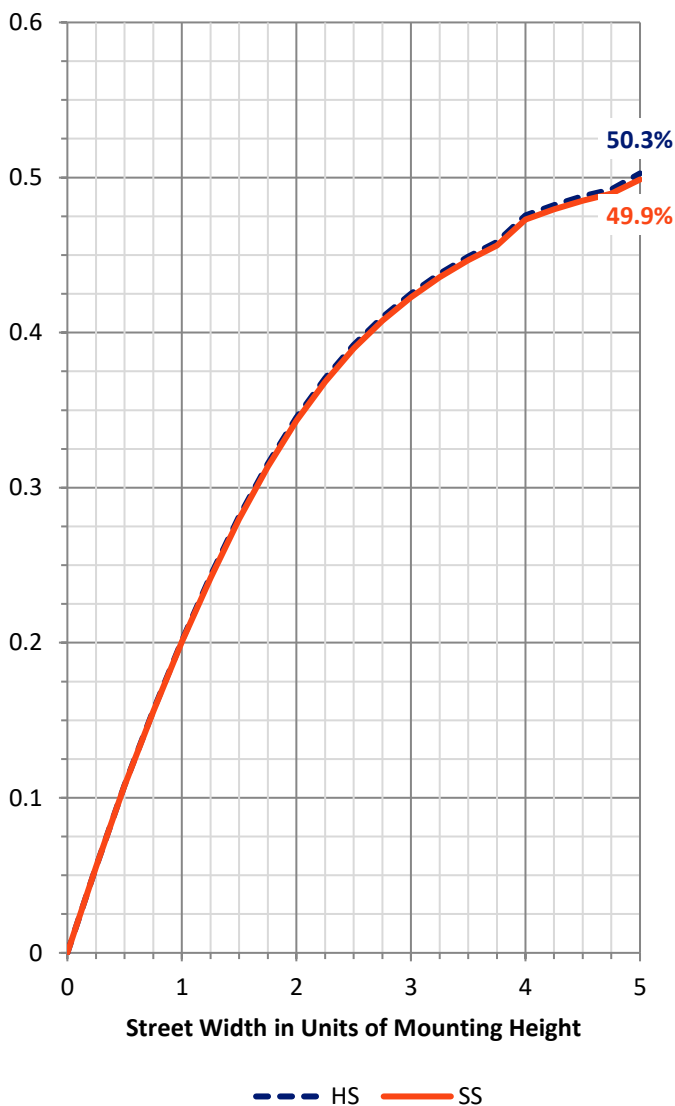
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	686.0	0.0	686.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	686.0	0.0	686.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1371.9	0.0	1371.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.7
10°-20°	29.0	2.1
20°-30°	49.6	3.6
30°-40°	75.8	5.5
40°-50°	121.7	8.9
50°-60°	210.2	15.3
60°-70°	366.7	26.7
70°-80°	436.4	31.8
80°-90°	72.8	5.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	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°-90°	1371.9	100.0
0°-180°	1371.9	100.0

Coefficient of Utilization



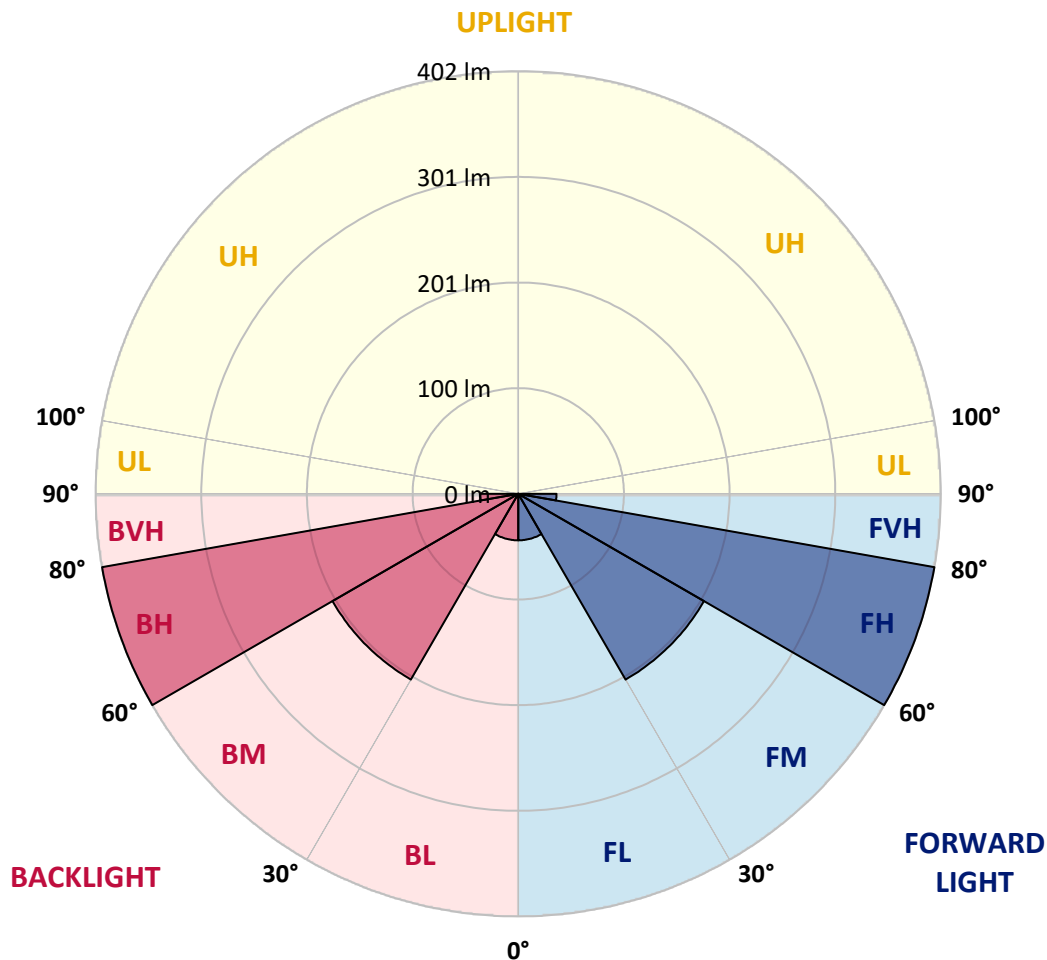
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	44.2	3.2			
FM (30°-60°)	203.8	14.9			
FH (60°-80°)	401.5	29.3			G0/660
FVH (80°-90°)	36.4	2.7			G1/100
BL (0°-30°)	44.2	3.2	B0/110		
BM (30°-60°)	203.8	14.9	B0/220		
BH (60°-80°)	401.5	29.3	B1/500		G0/660
BVH (80°-90°)	36.4	2.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
2.5°	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	104.0
5°	103.0	103.0	103.0	102.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0
7.5°	102.0	102.0	102.0	101.0	101.0	101.0	102.0	102.0	102.0	102.0	102.0
10°	102.0	102.0	101.0	101.0	101.0	100.0	100.0	101.0	102.0	102.0	102.0
12.5°	103.0	102.0	102.0	101.0	101.0	101.0	101.0	101.0	102.0	103.0	103.0
15°	103.0	103.0	102.0	101.0	102.0	102.0	102.0	101.0	102.0	103.0	103.0
17.5°	105.0	105.0	103.0	102.0	103.0	103.0	103.0	102.0	103.0	104.0	104.0
20°	106.0	106.0	104.0	104.0	104.0	104.0	104.0	103.0	103.0	105.0	105.0
22.5°	107.0	107.0	105.0	105.0	105.0	105.0	105.0	104.0	104.0	106.0	106.0
25°	108.0	108.0	107.0	106.0	106.0	106.0	106.0	106.0	106.0	107.0	107.0
27.5°	110.0	110.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	109.0	109.0
30°	113.0	113.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	112.0	112.0
32.5°	117.0	117.0	115.0	114.0	114.0	115.0	114.0	114.0	114.0	115.0	115.0
35°	122.0	121.0	119.0	118.0	118.0	120.0	119.0	118.0	119.0	120.0	120.0
37.5°	127.0	127.0	125.0	123.0	123.0	125.0	125.0	124.0	126.0	127.0	127.0
40°	136.0	135.0	132.0	130.0	131.0	132.0	132.0	133.0	134.0	135.0	135.0
42.5°	146.0	145.0	142.0	140.0	140.0	141.0	142.0	142.0	144.0	145.0	146.0
45°	159.0	158.0	154.0	152.0	152.0	153.0	154.0	153.0	155.0	158.0	157.0
47.5°	175.0	174.0	170.0	167.0	167.0	169.0	168.0	168.0	170.0	172.0	173.0
50°	193.1	191.1	187.0	184.0	185.0	186.0	184.0	184.0	186.0	188.0	188.0
52.5°	211.1	210.1	207.1	205.1	207.1	208.1	206.1	204.1	205.1	206.1	206.1
55°	232.1	231.1	228.1	228.1	233.1	236.1	231.1	227.1	226.1	226.1	225.1
57.5°	257.1	255.1	255.1	255.1	265.1	270.1	262.1	254.1	252.1	253.1	252.1
60°	286.1	284.1	285.1	288.1	303.1	312.1	302.1	286.1	283.1	283.1	283.1
62.5°	313.1	312.1	316.1	326.1	349.1	366.1	350.1	325.1	317.1	313.1	312.1
65°	341.1	343.1	348.1	363.1	400.1	423.1	399.1	365.1	352.1	344.1	343.1
67.5°	371.1	374.1	379.1	397.1	444.1	475.1	441.1	405.1	387.1	375.1	372.1
70°	391.1	394.1	400.1	418.1	474.1	505.1	471.1	439.1	420.1	406.1	403.1
72.5°	412.1	415.1	417.1	427.1	481.1	517.1	488.1	457.1	443.1	431.1	429.1
73°	418.1	420.1	420.1	428.1	480.1	517.1	489.1	459.1	444.1	435.1	432.1
75°	432.1	433.1	429.1	432.1	472.1	507.1	479.1	454.1	428.1	422.1	421.1
77.5°	361.1	363.1	378.1	405.1	453.1	479.1	450.1	397.1	346.1	334.1	327.1
80°	109.0	108.0	152.0	258.1	387.1	435.1	370.1	264.1	186.0	162.0	152.0
82.5°	18.0	21.0	36.0	68.0	156.0	293.1	216.1	87.0	51.0	34.0	23.0
85°	8.0	9.0	14.0	20.0	45.0	62.0	41.0	28.0	19.0	8.0	7.0
87.5°	3.0	4.0	6.0	6.0	7.0	4.0	7.0	5.0	7.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)