

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: P594514

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

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594514  
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: ISS-PA1A-AMB-U-5WQ  
Description: IMPACT ELITE LED QUARTER SPHERE 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: 1381 lumens  
Efficiency: N/A  
Efficacy: 43.6 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

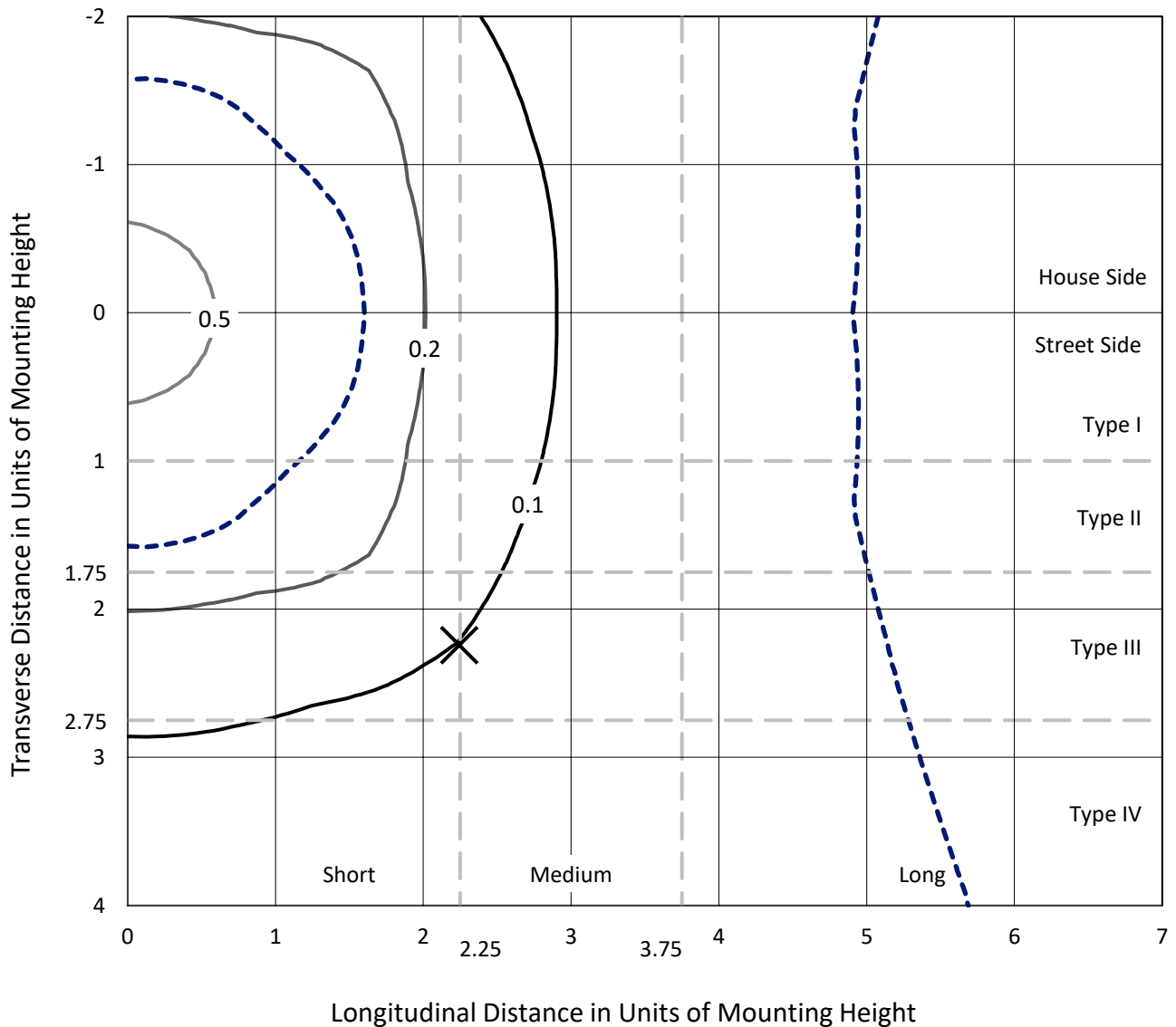
Input Watts (W): 31.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

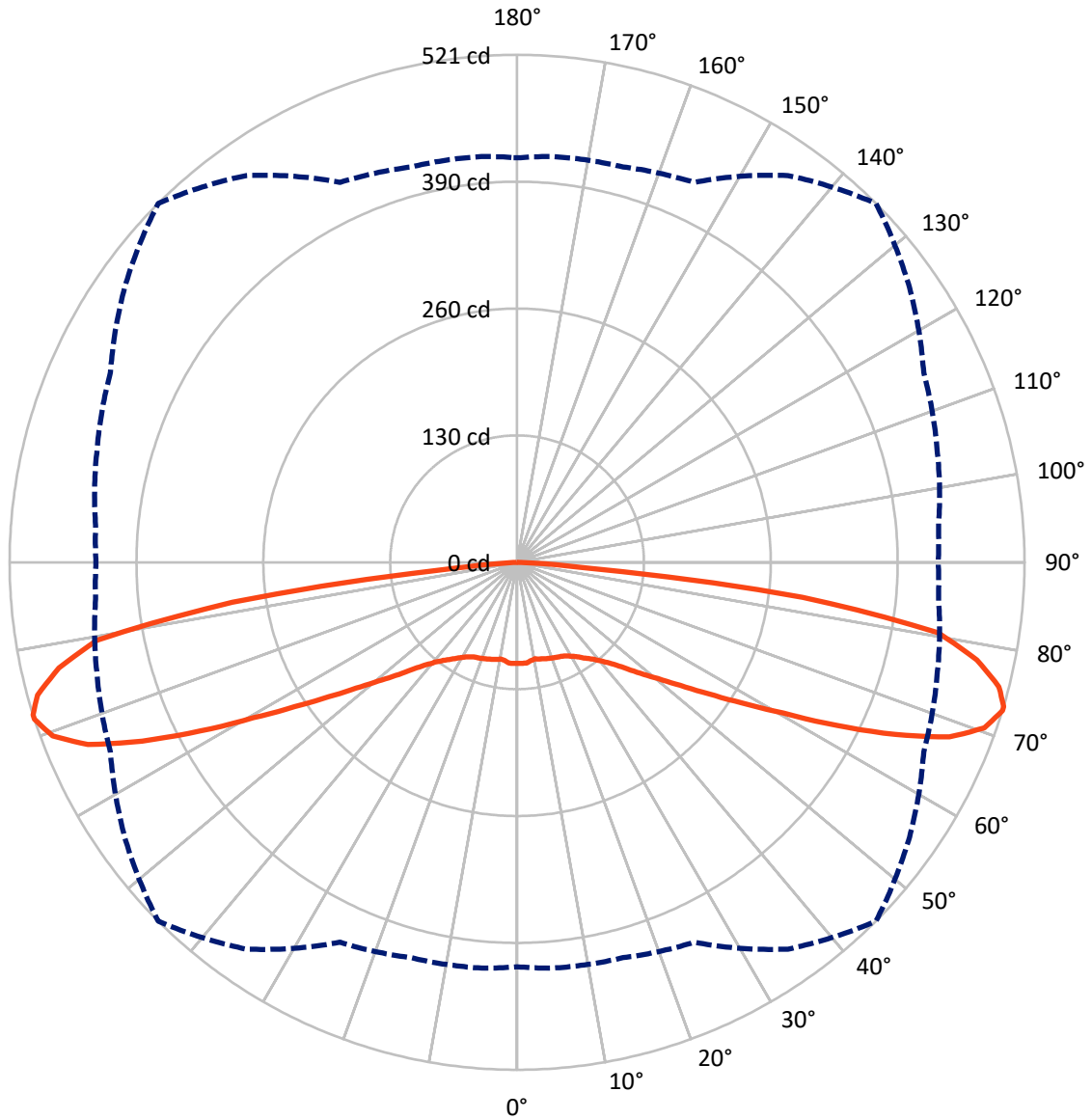
× Max cd  
 - - - 1/2 Max cd



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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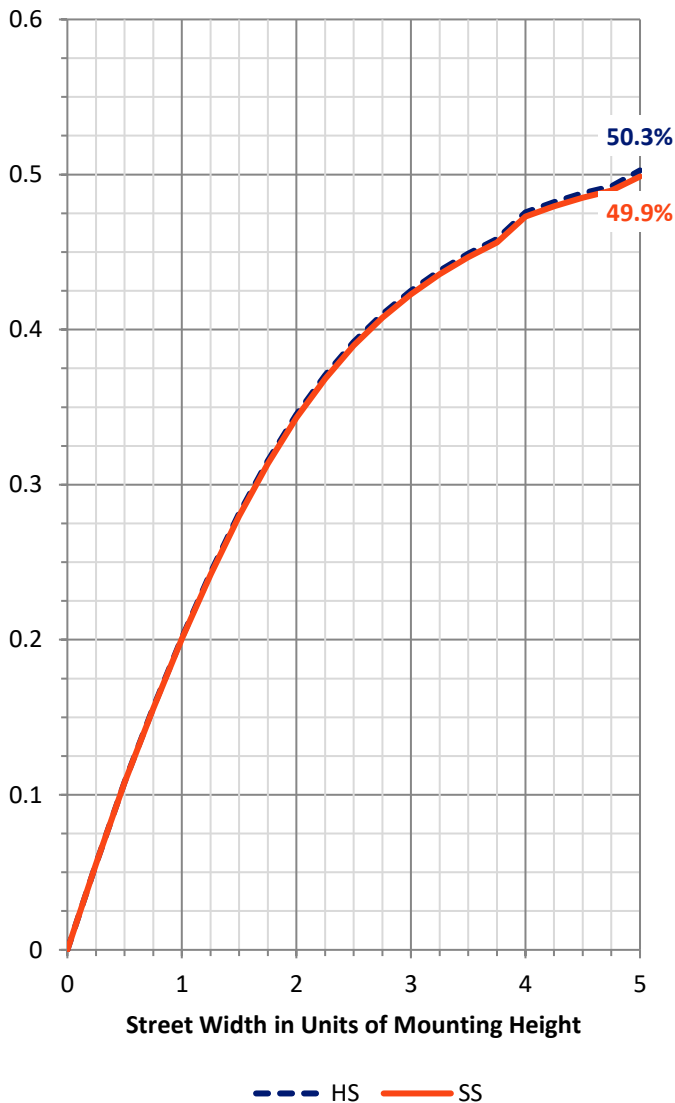
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	690.5	0.0	690.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	690.5	0.0	690.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1381.0	0.0	1381.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.8	0.7
10°-20°	29.2	2.1
20°-30°	49.9	3.6
30°-40°	76.3	5.5
40°-50°	122.5	8.9
50°-60°	211.6	15.3
60°-70°	369.1	26.7
70°-80°	439.3	31.8
80°-90°	73.2	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°	1381.0	100.0
0°-180°	1381.0	100.0

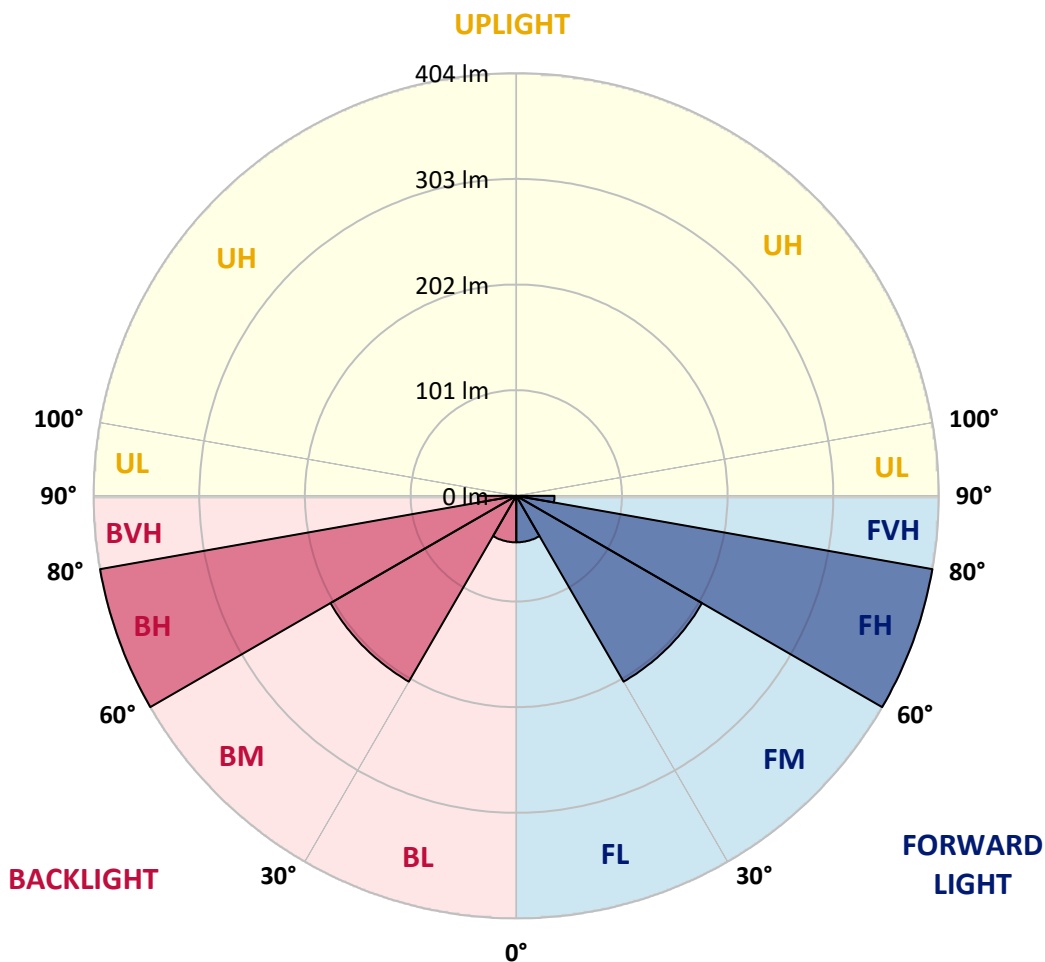


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	44.5	3.2			
FM (30°-60°)	205.2	14.9			
FH (60°-80°)	404.2	29.3			G0/660
FVH (80°-90°)	36.6	2.7			G1/100
BL (0°-30°)	44.5	3.2	B0/110		
BM (30°-60°)	205.2	14.9	B0/220		
BH (60°-80°)	404.2	29.3	B1/500		G0/660
BVH (80°-90°)	36.6	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°	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7
2.5°	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	104.7
5°	103.7	103.7	103.7	102.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7
7.5°	102.7	102.7	102.7	101.7	101.7	101.7	102.7	102.7	102.7	102.7	102.7
10°	102.7	102.7	101.7	101.7	101.7	100.7	100.7	101.7	102.7	102.7	102.7
12.5°	103.7	102.7	102.7	101.7	101.7	101.7	101.7	101.7	102.7	103.7	103.7
15°	103.7	103.7	102.7	101.7	102.7	102.7	102.7	101.7	102.7	103.7	103.7
17.5°	105.7	105.7	103.7	102.7	103.7	103.7	103.7	102.7	103.7	104.7	104.7
20°	106.7	106.7	104.7	104.7	104.7	104.7	104.7	103.7	103.7	105.7	105.7
22.5°	107.7	107.7	105.7	105.7	105.7	105.7	105.7	104.7	104.7	106.7	106.7
25°	108.7	108.7	107.7	106.7	106.7	106.7	106.7	106.7	106.7	107.7	107.7
27.5°	110.8	110.8	108.7	108.7	108.7	108.7	108.7	108.7	108.7	109.7	109.7
30°	113.8	113.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	112.8	112.8
32.5°	117.8	117.8	115.8	114.8	114.8	114.8	114.8	114.8	114.8	115.8	115.8
35°	122.8	121.8	119.8	118.8	118.8	120.8	119.8	118.8	119.8	120.8	120.8
37.5°	127.9	127.9	125.9	123.8	123.8	125.9	125.9	124.8	126.9	127.9	127.9
40°	136.9	135.9	132.9	130.9	131.9	132.9	132.9	133.9	134.9	135.9	135.9
42.5°	147.0	146.0	143.0	141.0	141.0	142.0	143.0	143.0	145.0	146.0	147.0
45°	160.1	159.1	155.1	153.0	153.0	154.0	155.1	154.0	156.1	159.1	158.1
47.5°	176.2	175.2	171.2	168.1	168.1	170.2	169.1	169.1	171.2	173.2	174.2
50°	194.3	192.3	188.3	185.3	186.3	187.3	185.3	185.3	187.3	189.3	189.3
52.5°	212.4	211.4	208.4	206.4	208.4	209.4	207.4	205.4	206.4	207.4	207.4
55°	233.6	232.6	229.6	229.6	234.6	237.6	232.6	228.5	227.5	227.5	226.5
57.5°	258.8	256.7	256.7	256.7	266.8	271.8	263.8	255.7	253.7	254.7	253.7
60°	288.0	285.9	286.9	290.0	305.1	314.1	304.1	288.0	284.9	284.9	284.9
62.5°	315.1	314.1	318.2	328.2	351.4	368.5	352.4	327.2	319.2	315.1	314.1
65°	343.3	345.3	350.4	365.5	402.7	425.9	401.7	367.5	354.4	346.3	345.3
67.5°	373.5	376.6	381.6	399.7	447.0	478.2	444.0	407.8	389.6	377.6	374.5
70°	393.7	396.7	402.7	420.9	477.2	508.4	474.2	442.0	422.9	408.8	405.8
72.5°	414.8	417.8	419.8	429.9	484.3	520.5	491.3	460.1	446.0	433.9	431.9
73°	420.9	422.9	422.9	430.9	483.3	520.5	492.3	462.1	447.0	438.0	434.9
75°	434.9	436.0	431.9	434.9	475.2	510.5	482.3	457.1	430.9	424.9	423.9
77.5°	363.5	365.5	380.6	407.8	456.1	482.3	453.1	399.7	348.4	336.3	329.2
80°	109.7	108.7	153.0	259.8	389.6	438.0	372.5	265.8	187.3	163.1	153.0
82.5°	18.1	21.1	36.2	68.5	157.1	295.0	217.5	87.6	51.3	34.2	23.2
85°	8.1	9.1	14.1	20.1	45.3	62.4	41.3	28.2	19.1	8.1	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)