

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: P594973

Luminaire Tested: **IST-PA1A-750-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: IST-PA1A-750-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 5000K, 350mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4206 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G1

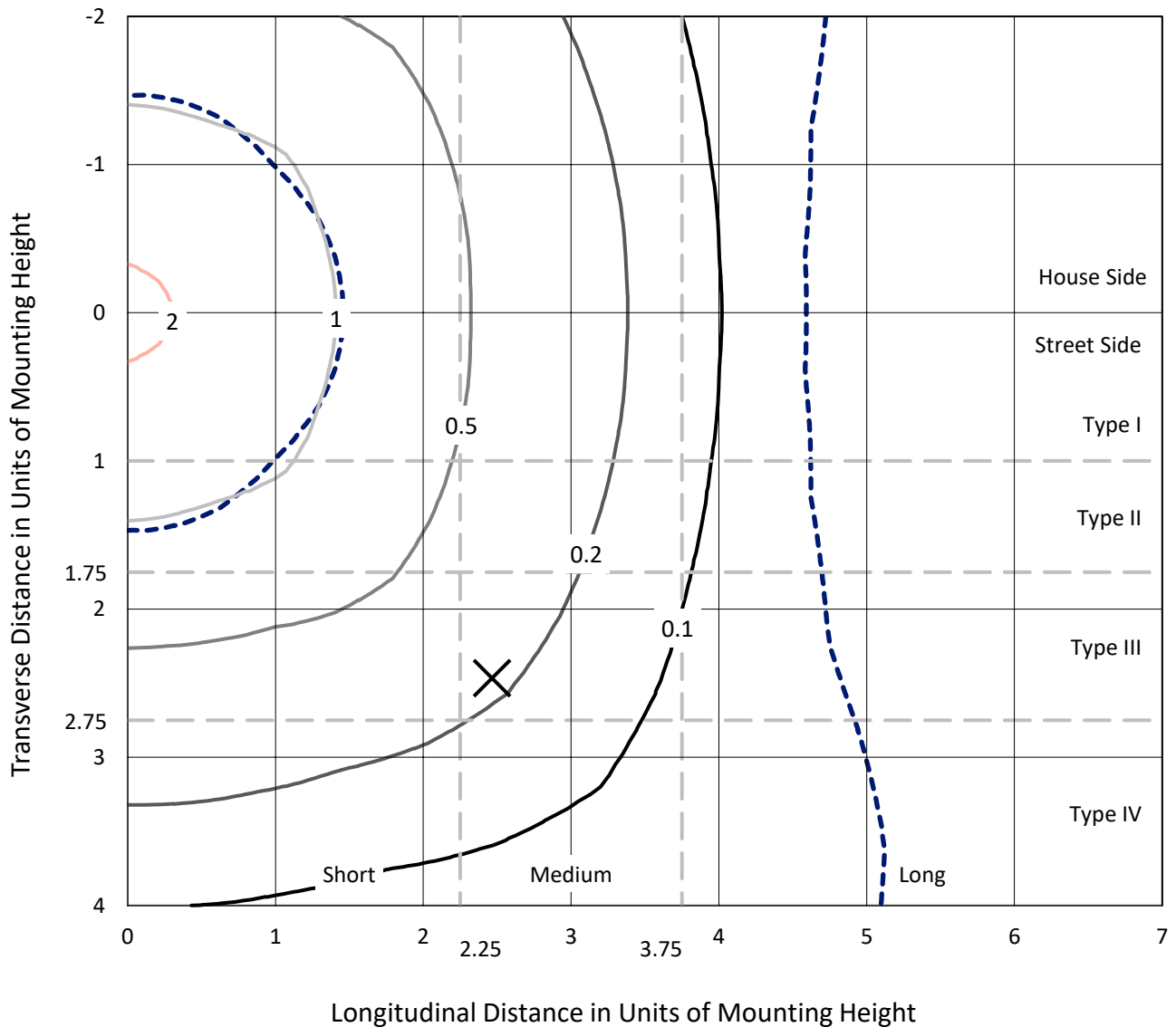
Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

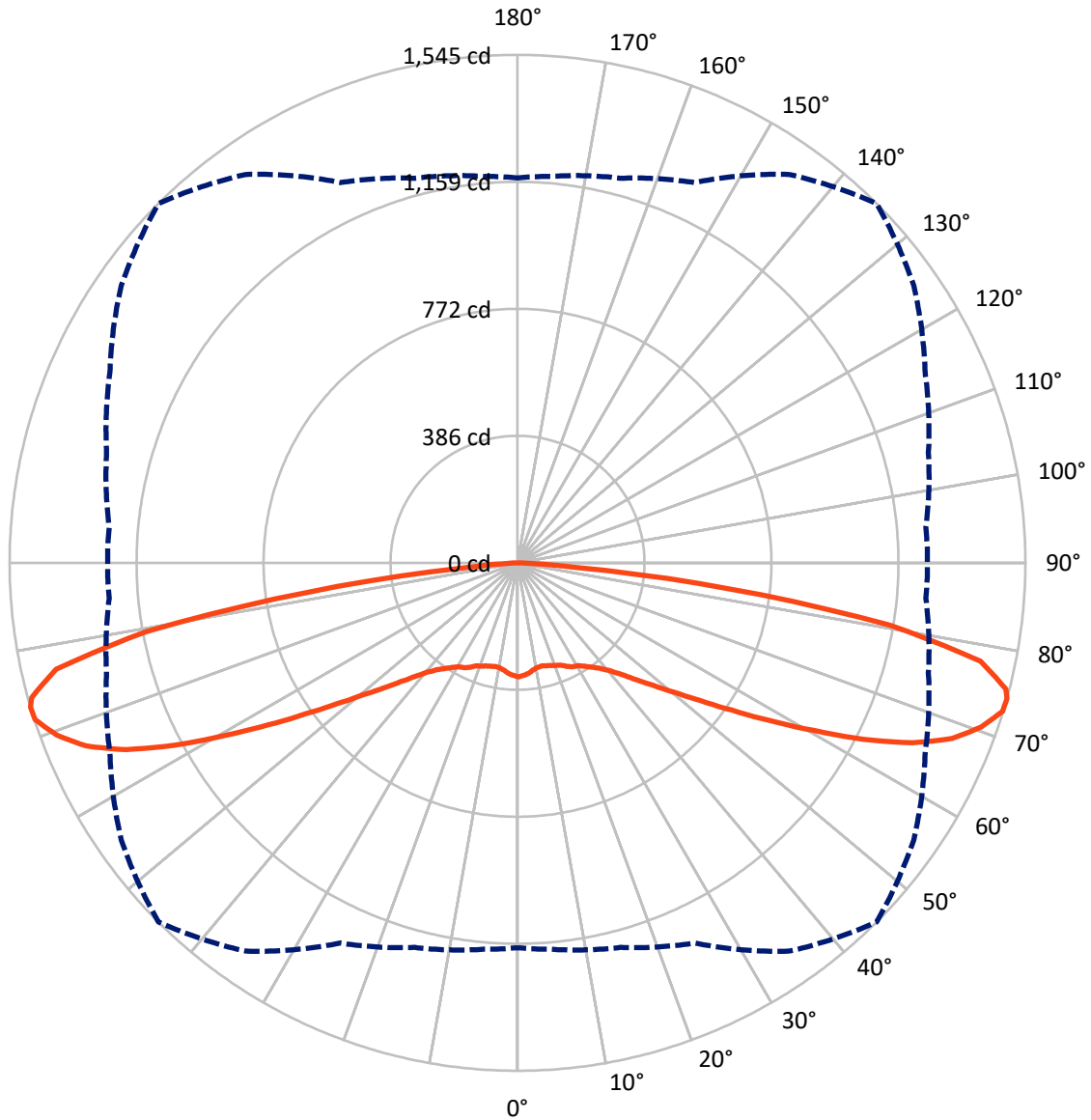
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2103.0	0.0	2103.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2103.0	0.0	2103.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4206.0	0.0	4206.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	0.8
10°-20°	93.2	2.2
20°-30°	160.9	3.8
30°-40°	246.5	5.9
40°-50°	401.0	9.5
50°-60°	695.4	16.5
60°-70°	1151.6	27.4
70°-80°	1246.0	29.6
80°-90°	179.6	4.3
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°	4206.0	100.0
0°-180°	4206.0	100.0

Coefficient of Utilization



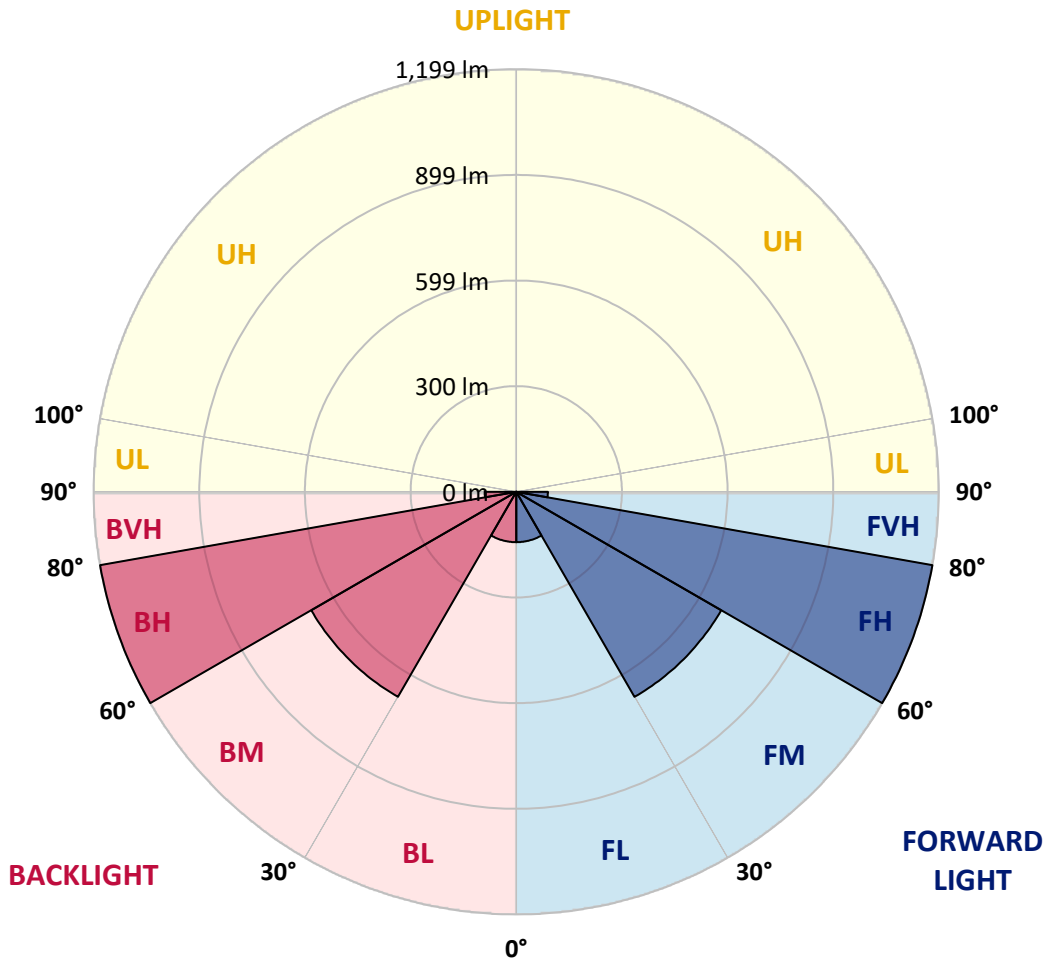
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.0	3.4			
FM (30°-60°)	671.5	16.0			
FH (60°-80°)	1198.8	28.5			G1/1800
FVH (80°-90°)	89.8	2.1			G1/100
BL (0°-30°)	143.0	3.4	B1/500		
BM (30°-60°)	671.5	16.0	B1/1000		
BH (60°-80°)	1198.8	28.5	B3/2500		G1/1800
BVH (80°-90°)	89.8	2.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0
2.5°	342.0	343.0	343.0	342.0	343.0	343.0	343.0	344.0	343.0	345.0	344.0
5°	337.0	337.0	338.0	337.0	337.0	338.0	337.0	339.0	338.0	340.0	338.0
7.5°	329.0	329.0	329.0	329.0	330.0	330.0	330.0	332.0	332.0	332.0	331.0
10°	327.0	326.0	326.0	324.0	324.0	324.0	323.0	326.0	327.0	329.0	328.0
12.5°	328.0	328.0	326.0	324.0	323.0	322.0	322.0	325.0	328.0	329.0	329.0
15°	332.0	332.0	329.0	325.0	325.0	325.0	324.0	325.0	330.0	332.0	330.0
17.5°	335.0	334.0	331.0	329.0	329.0	328.0	328.0	328.0	331.0	334.0	334.0
20°	340.0	340.0	336.0	334.0	334.0	333.0	332.0	331.0	334.0	338.0	337.0
22.5°	347.0	345.0	342.0	340.0	339.0	338.0	336.0	337.0	339.0	342.0	342.0
25°	352.0	352.0	349.0	348.0	349.0	349.0	346.0	344.0	345.0	348.0	348.0
27.5°	354.0	354.0	352.0	352.0	356.0	358.0	354.0	350.0	348.0	351.0	350.0
30°	362.0	362.0	360.0	359.0	362.0	363.0	361.0	358.0	357.0	360.0	359.0
32.5°	376.0	375.0	372.0	369.0	370.0	375.0	371.0	370.0	370.0	373.0	374.0
35°	392.0	390.0	387.0	384.0	385.0	390.0	386.0	386.0	387.0	391.0	391.0
37.5°	415.0	413.0	409.0	402.0	401.0	407.0	406.0	407.0	411.0	413.0	415.0
40°	440.0	439.0	434.0	428.0	427.0	431.0	432.0	434.0	438.0	440.0	441.0
42.5°	476.0	474.0	466.0	460.0	459.0	464.0	466.0	468.0	473.0	475.0	477.0
45°	520.0	519.0	510.0	503.0	500.0	507.0	507.0	509.0	514.0	518.0	518.0
47.5°	568.0	567.0	560.0	552.0	553.0	558.0	557.0	558.0	562.0	566.0	569.0
50°	622.0	619.0	611.0	609.0	614.0	619.0	615.0	614.0	620.0	622.0	621.0
52.5°	681.0	678.0	674.0	674.0	686.0	695.0	692.0	683.0	683.0	682.0	681.0
55°	751.0	749.0	748.0	753.0	773.0	791.0	780.0	763.0	756.0	752.0	754.0
57.5°	824.0	819.0	828.0	839.0	879.0	905.0	888.0	856.0	846.0	838.0	834.0
60°	898.0	896.0	909.0	934.9	991.9	1035.9	1012.9	959.9	941.9	924.0	924.0
62.5°	969.9	967.9	986.9	1026.9	1116.9	1181.9	1139.9	1072.9	1037.9	1010.9	1006.9
65°	1056.9	1053.9	1074.9	1117.9	1237.9	1319.9	1266.9	1178.9	1136.9	1099.9	1094.9
67.5°	1127.9	1127.9	1155.9	1208.9	1339.9	1425.9	1359.9	1283.9	1234.9	1196.9	1192.9
70°	1195.9	1201.9	1222.9	1274.9	1417.9	1495.9	1435.9	1367.9	1323.9	1285.9	1281.9
72.5°	1224.9	1232.9	1253.9	1304.9	1451.9	1542.9	1472.9	1394.9	1347.9	1309.9	1304.9
74°	1170.9	1179.9	1210.9	1275.9	1441.9	1544.9	1470.9	1367.9	1293.9	1246.9	1246.9
75°	1109.9	1121.9	1158.9	1228.9	1420.9	1533.9	1449.9	1324.9	1221.9	1166.9	1169.9
77.5°	856.0	882.0	922.0	1031.9	1274.9	1439.9	1288.9	1062.9	898.0	816.0	814.0
80°	244.0	280.0	371.0	616.0	968.9	1146.9	946.9	629.0	444.0	338.0	325.0
82.5°	59.0	69.0	95.0	174.0	414.0	648.0	469.0	206.0	124.0	81.0	65.0
85°	25.0	27.0	43.0	60.0	114.0	172.0	109.0	70.0	51.0	23.0	22.0
87.5°	9.0	10.0	16.0	16.0	24.0	14.0	25.0	17.0	18.0	6.0	6.0
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)