

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: P595045

Luminaire Tested: **IST-PA1B-735-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595045
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-PA1B-735-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3500K, 450mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4915 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G2

Input Watts (W): 36.4
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

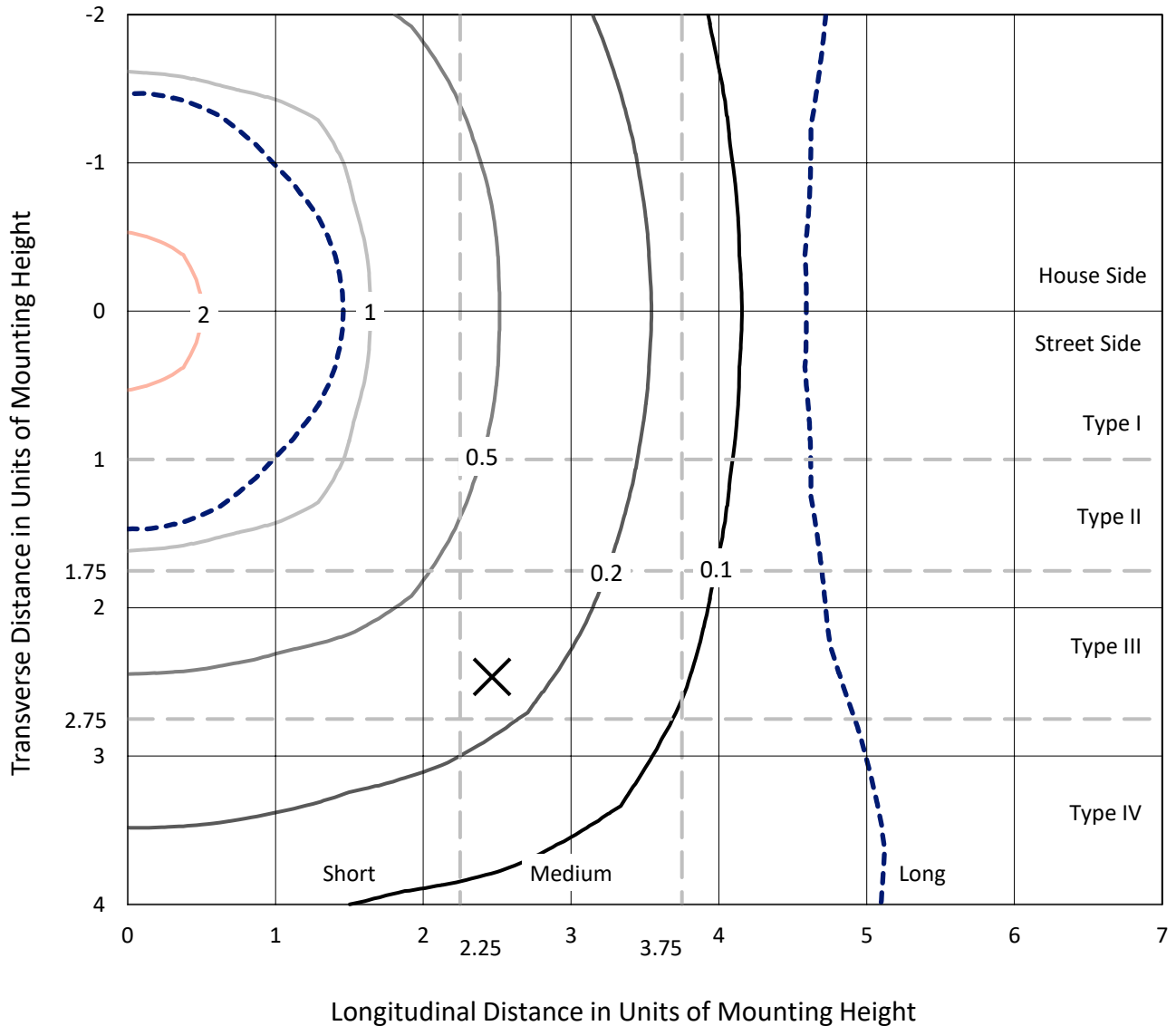




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Iso-Footcandle Lines of Horizontal Illumination

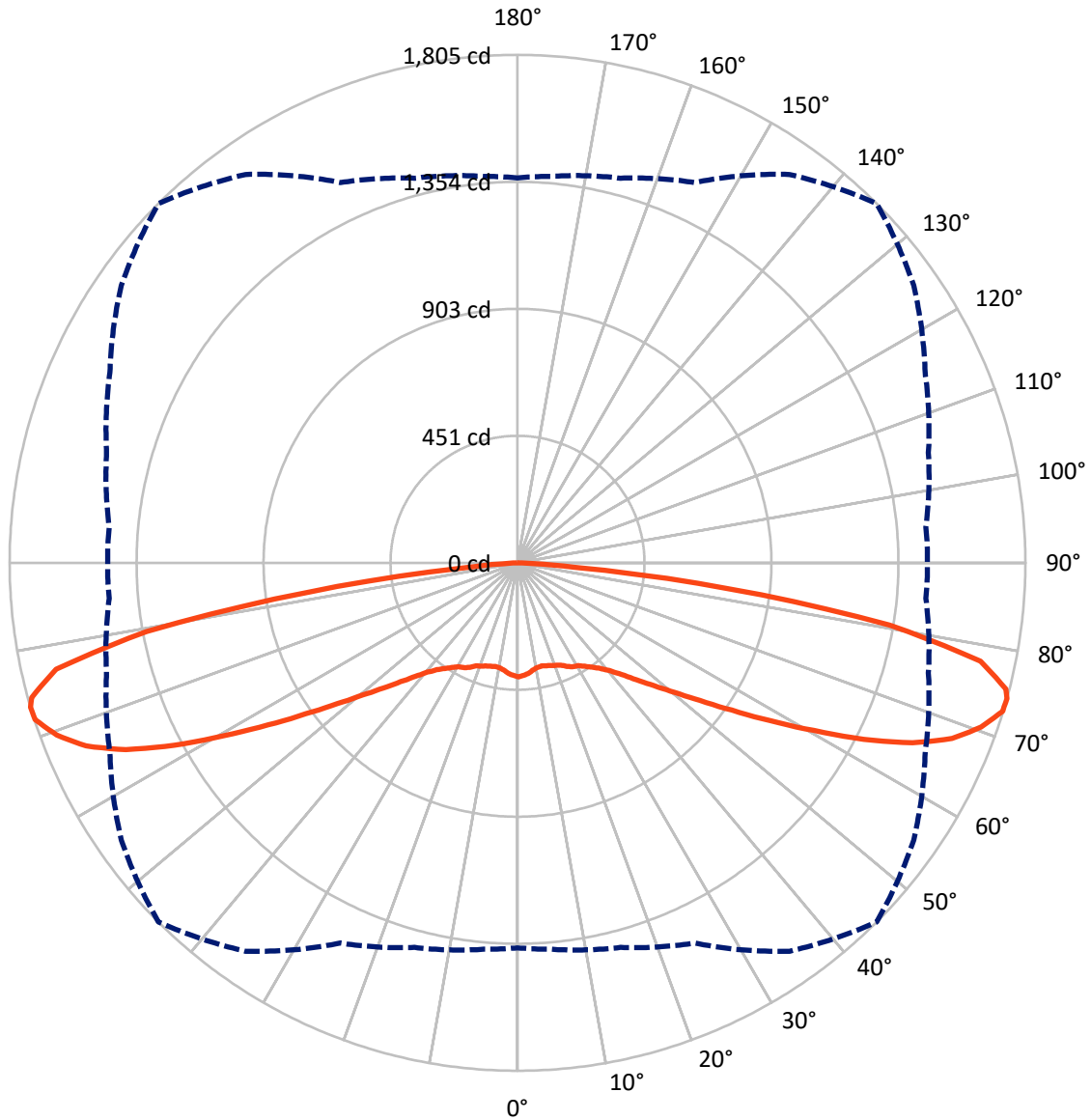
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.8 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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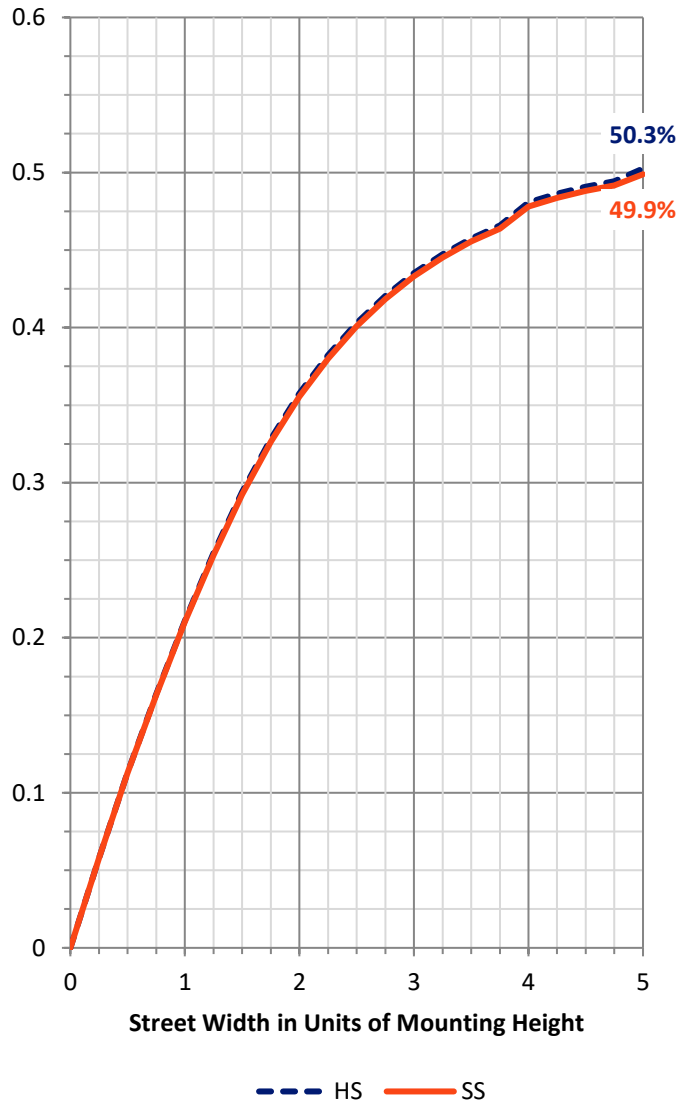
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2457.5	0.0	2457.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2457.5	0.0	2457.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4915.0	0.0	4915.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	0.8
10°-20°	108.9	2.2
20°-30°	188.1	3.8
30°-40°	288.0	5.9
40°-50°	468.6	9.5
50°-60°	812.6	16.5
60°-70°	1345.8	27.4
70°-80°	1456.1	29.6
80°-90°	209.8	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°	4915.0	100.0
0°-180°	4915.0	100.0

Coefficient of Utilization



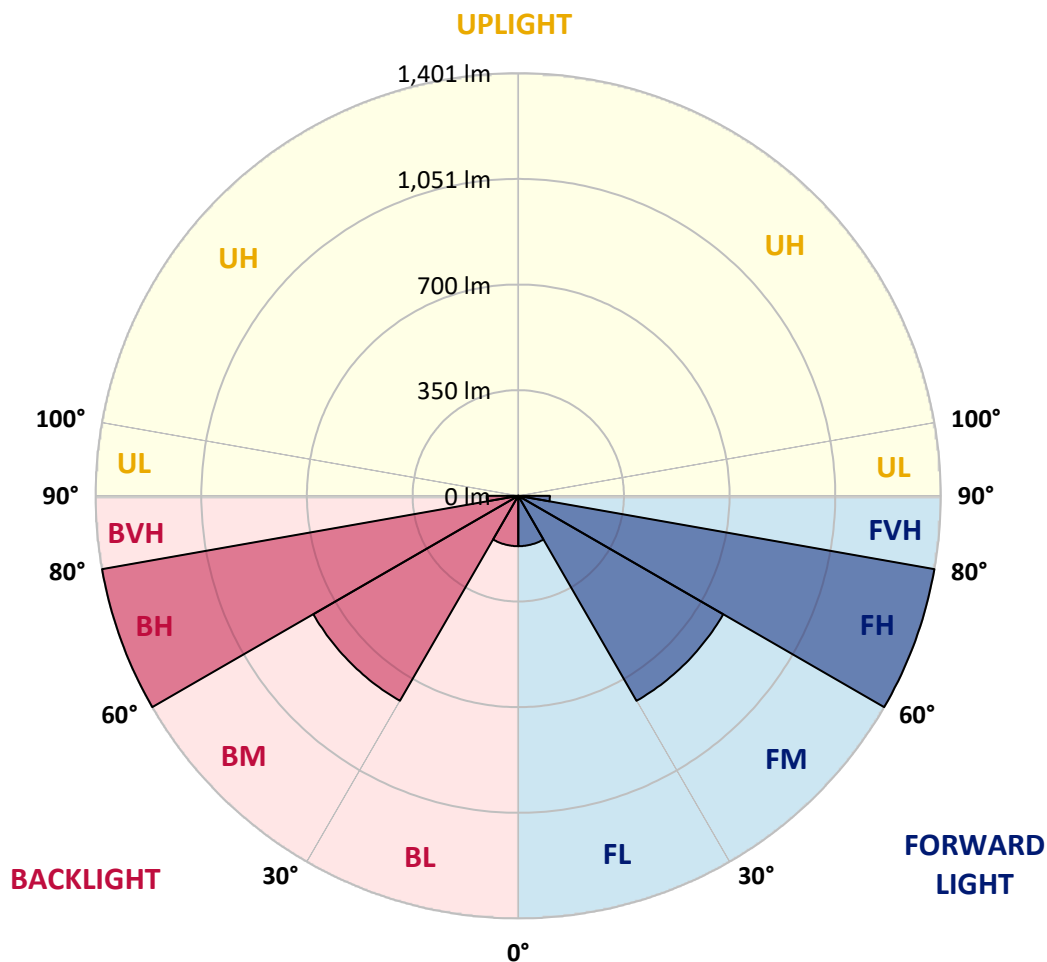
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.1	3.4			
FM (30°-60°)	784.6	16.0			
FH (60°-80°)	1400.9	28.5			G1/1800
FVH (80°-90°)	104.9	2.1			G2/225
BL (0°-30°)	167.1	3.4	B1/500		
BM (30°-60°)	784.6	16.0	B1/1000		
BH (60°-80°)	1400.9	28.5	B3/2500		G1/1800
BVH (80°-90°)	104.9	2.1			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	405.5	405.5	405.5	405.5	405.5	405.5	405.5	405.5	405.5	405.5	405.5
2.5°	399.6	400.8	400.8	399.6	400.8	400.8	400.8	402.0	400.8	403.1	402.0
5°	393.8	393.8	395.0	393.8	393.8	393.8	393.8	396.1	395.0	397.3	395.0
7.5°	384.4	384.4	384.4	384.4	385.6	385.6	385.6	387.9	387.9	387.9	386.8
10°	382.1	380.9	380.9	378.6	378.6	378.6	377.4	380.9	382.1	384.4	383.3
12.5°	383.3	383.3	380.9	378.6	377.4	376.3	376.3	379.8	383.3	384.4	384.4
15°	387.9	387.9	384.4	379.8	379.8	379.8	378.6	379.8	385.6	387.9	385.6
17.5°	391.4	390.3	386.8	384.4	384.4	383.3	383.3	383.3	386.8	390.3	390.3
20°	397.3	397.3	392.6	390.3	390.3	389.1	387.9	386.8	390.3	395.0	393.8
22.5°	405.5	403.1	399.6	397.3	396.1	395.0	392.6	393.8	396.1	399.6	399.6
25°	411.3	411.3	407.8	406.6	407.8	407.8	404.3	402.0	403.1	406.6	406.6
27.5°	413.7	413.7	411.3	411.3	416.0	418.3	413.7	409.0	406.6	410.1	409.0
30°	423.0	423.0	420.7	419.5	423.0	424.2	421.8	418.3	417.2	420.7	419.5
32.5°	439.4	438.2	434.7	431.2	432.3	438.2	433.5	432.3	432.3	435.9	437.0
35°	458.1	455.7	452.2	448.7	449.9	455.7	451.0	451.0	452.2	456.9	456.9
37.5°	484.9	482.6	477.9	469.7	468.6	475.6	474.4	475.6	480.3	482.6	484.9
40°	514.1	513.0	507.1	500.1	499.0	503.6	504.8	507.1	511.8	514.1	515.3
42.5°	556.2	553.9	544.5	537.5	536.3	542.2	544.5	546.9	552.7	555.0	557.4
45°	607.6	606.5	595.9	587.8	584.3	592.4	592.4	594.8	600.6	605.3	605.3
47.5°	663.7	662.5	654.4	645.0	646.2	652.0	650.9	652.0	656.7	661.4	664.9
50°	726.8	723.3	714.0	711.6	717.5	723.3	718.6	717.5	724.5	726.8	725.6
52.5°	795.8	792.2	787.6	787.6	801.6	812.1	808.6	798.1	798.1	796.9	795.8
55°	877.5	875.2	874.0	879.9	903.3	924.3	911.4	891.6	883.4	878.7	881.1
57.5°	962.8	957.0	967.5	980.4	1027.1	1057.5	1037.6	1000.2	988.6	979.2	974.5
60°	1049.3	1047.0	1062.2	1092.6	1159.2	1210.6	1183.7	1121.8	1100.7	1079.7	1079.7
62.5°	1133.5	1131.1	1153.3	1200.1	1305.2	1381.2	1332.1	1253.8	1212.9	1181.4	1176.7
65°	1235.1	1231.6	1256.1	1306.4	1446.6	1542.4	1480.5	1377.7	1328.6	1285.4	1279.5
67.5°	1318.1	1318.1	1350.8	1412.7	1565.8	1666.3	1589.2	1500.4	1443.1	1398.7	1394.0
70°	1397.5	1404.5	1429.1	1489.8	1656.9	1748.1	1678.0	1598.5	1547.1	1502.7	1498.0
72.5°	1431.4	1440.8	1465.3	1524.9	1696.7	1803.0	1721.2	1630.1	1575.1	1530.7	1524.9
74°	1368.3	1378.8	1415.1	1491.0	1685.0	1805.3	1718.9	1598.5	1512.0	1457.1	1457.1
75°	1297.0	1311.1	1354.3	1436.1	1660.4	1792.5	1694.3	1548.3	1427.9	1363.6	1367.2
77.5°	1000.2	1030.6	1077.4	1205.9	1489.8	1682.6	1506.2	1242.1	1049.3	953.5	951.2
80°	285.1	327.2	433.5	719.8	1132.3	1340.3	1106.6	735.0	518.8	395.0	379.8
82.5°	68.9	80.6	111.0	203.3	483.8	757.2	548.0	240.7	144.9	94.6	76.0
85°	29.2	31.5	50.2	70.1	133.2	201.0	127.4	81.8	59.6	26.9	25.7
87.5°	10.5	11.7	18.7	18.7	28.0	16.4	29.2	19.9	21.0	7.0	7.0
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)