

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: P595270

Luminaire Tested: **IST-PA1E-727-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595270
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-PA1E-727-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8746 lumens
Efficiency: N/A
Efficacy: 107.3 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

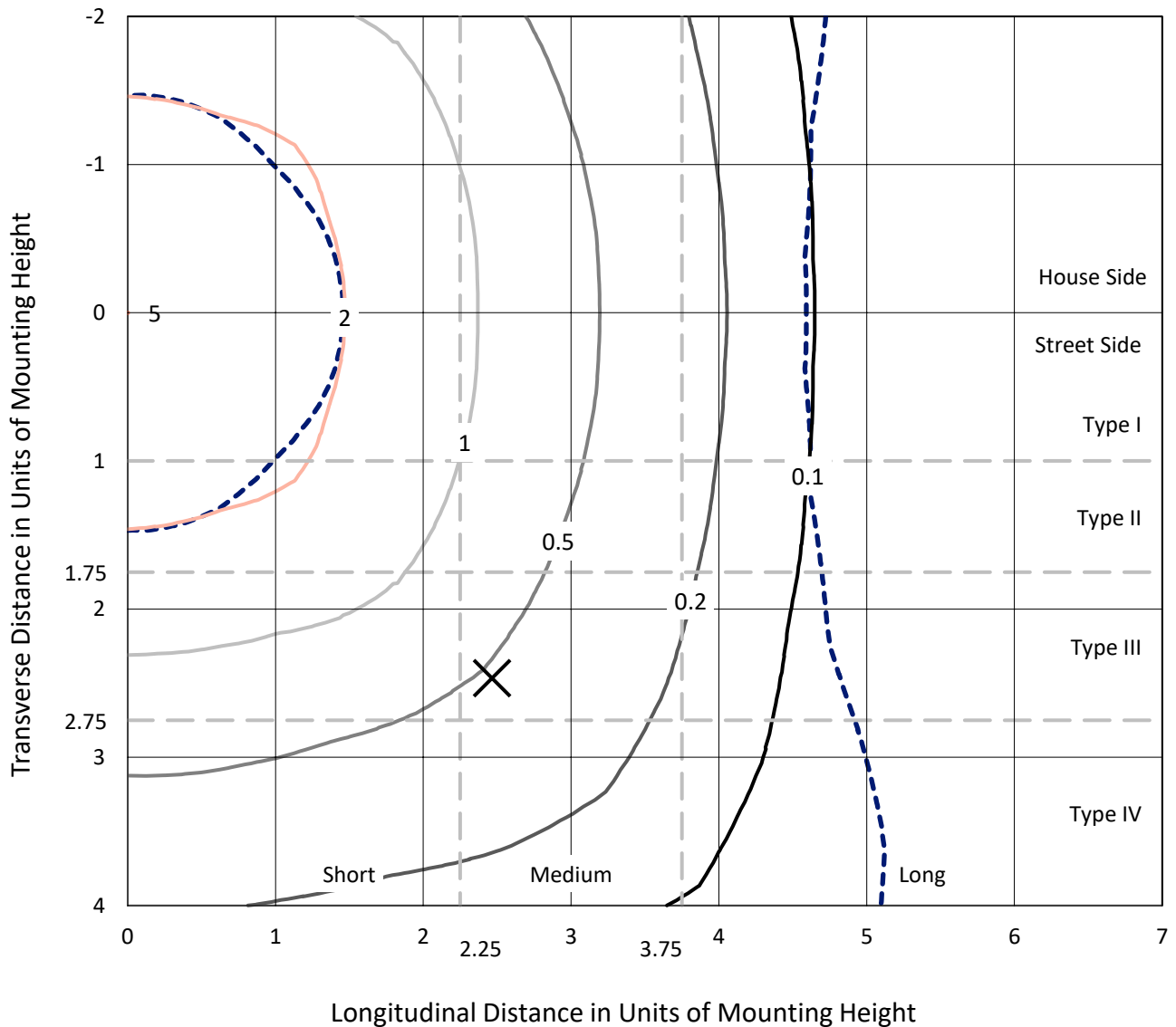
Input Watts (W): 81.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

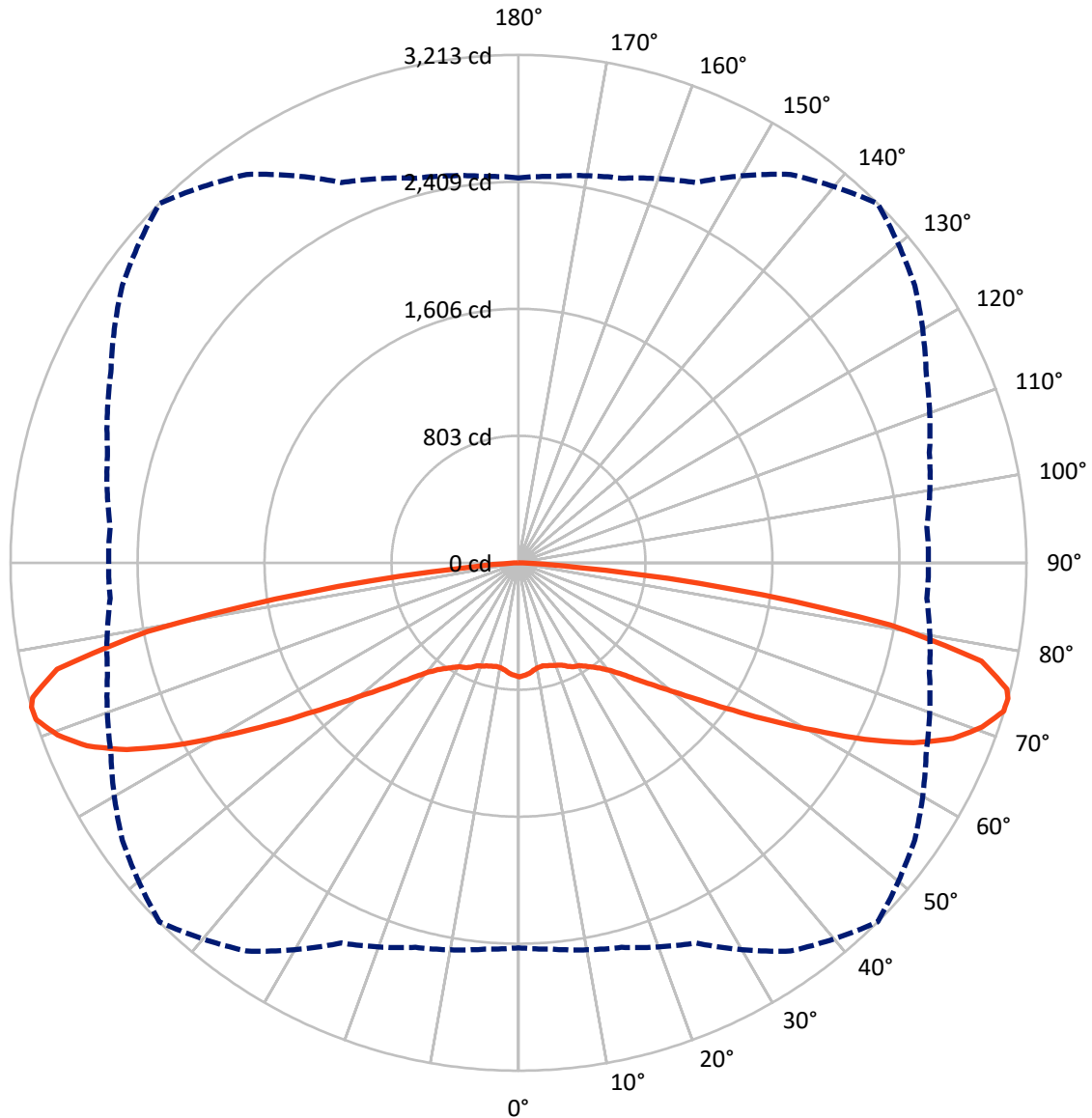
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5 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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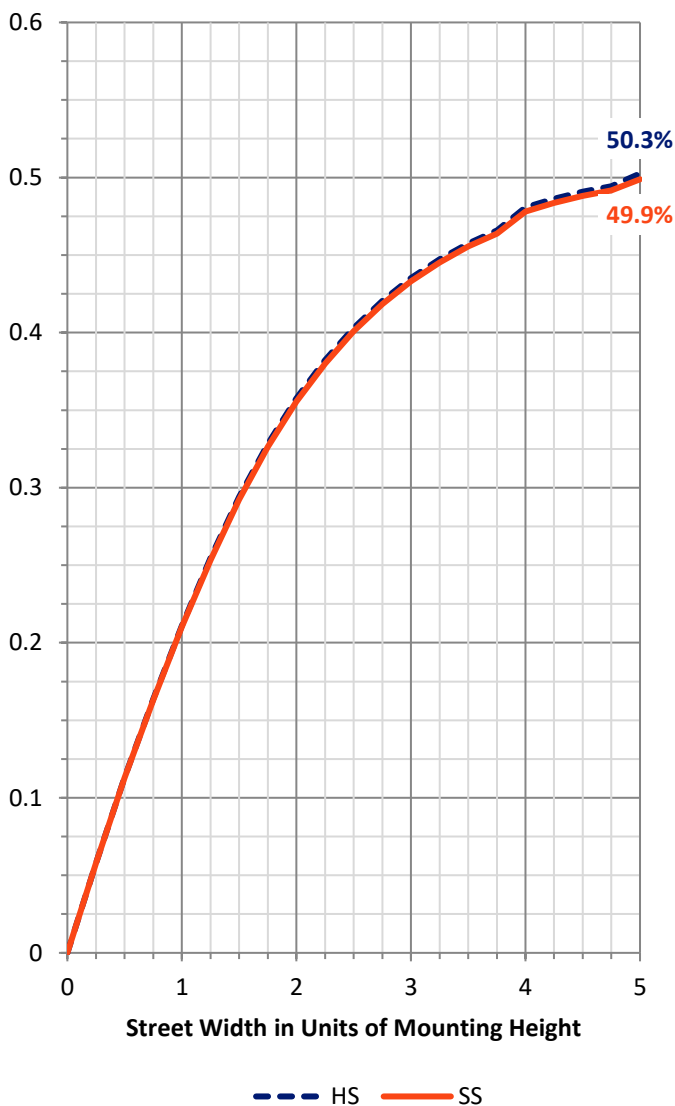
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4373.0	0.0	4373.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4373.0	0.0	4373.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8746.0	0.0	8746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	0.8
10°-20°	193.7	2.2
20°-30°	334.6	3.8
30°-40°	512.5	5.9
40°-50°	833.8	9.5
50°-60°	1446.0	16.5
60°-70°	2394.7	27.4
70°-80°	2591.0	29.6
80°-90°	373.4	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°	8746.0	100.0
0°-180°	8746.0	100.0

Coefficient of Utilization

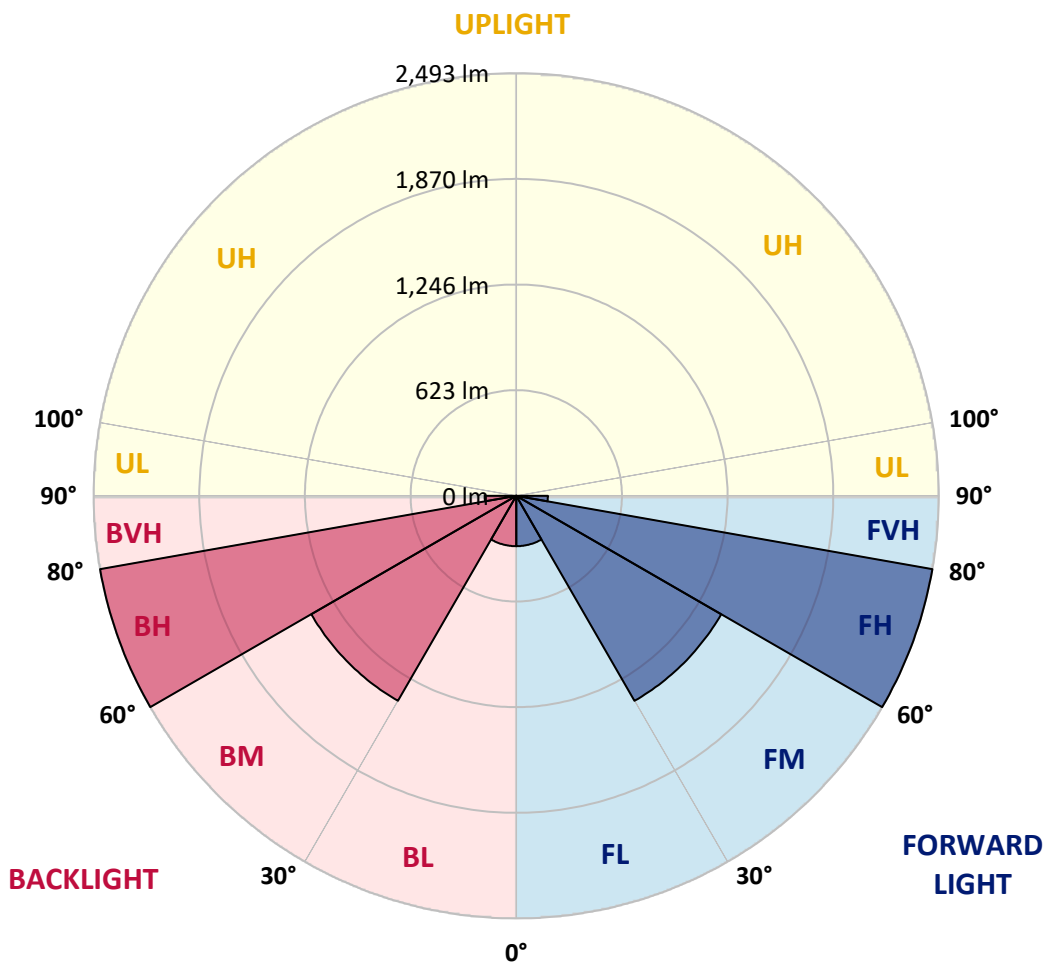


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.3	3.4			
FM (30°-60°)	1396.2	16.0			
FH (60°-80°)	2492.9	28.5			G2/5000
FVH (80°-90°)	186.7	2.1			G2/225
BL (0°-30°)	297.3	3.4	B1/500		
BM (30°-60°)	1396.2	16.0	B2/2500		
BH (60°-80°)	2492.9	28.5	B3/2500		G2/5000
BVH (80°-90°)	186.7	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°	721.5	721.5	721.5	721.5	721.5	721.5	721.5	721.5	721.5	721.5	721.5
2.5°	711.1	713.2	713.2	711.1	713.2	713.2	713.2	715.3	713.2	717.4	715.3
5°	700.7	700.7	702.8	700.7	700.7	702.8	700.7	704.9	702.8	707.0	702.8
7.5°	684.1	684.1	684.1	684.1	686.2	686.2	686.2	690.3	690.3	690.3	688.2
10°	679.9	677.9	677.9	673.7	673.7	673.7	671.6	677.9	679.9	684.1	682.0
12.5°	682.0	682.0	677.9	673.7	671.6	669.5	669.5	675.8	682.0	684.1	684.1
15°	690.3	690.3	684.1	675.8	675.8	675.8	673.7	675.8	686.2	690.3	686.2
17.5°	696.6	694.5	688.2	684.1	684.1	682.0	682.0	682.0	688.2	694.5	694.5
20°	707.0	707.0	698.6	694.5	694.5	692.4	690.3	688.2	694.5	702.8	700.7
22.5°	721.5	717.4	711.1	707.0	704.9	702.8	698.6	700.7	704.9	711.1	711.1
25°	731.9	731.9	725.7	723.6	725.7	725.7	719.4	715.3	717.4	723.6	723.6
27.5°	736.1	736.1	731.9	731.9	740.2	744.4	736.1	727.8	723.6	729.8	727.8
30°	752.7	752.7	748.5	746.5	752.7	754.8	750.6	744.4	742.3	748.5	746.5
32.5°	781.8	779.7	773.5	767.3	769.3	779.7	771.4	769.3	769.3	775.6	777.7
35°	815.1	810.9	804.7	798.5	800.5	810.9	802.6	802.6	804.7	813.0	813.0
37.5°	862.9	858.8	850.4	835.9	833.8	846.3	844.2	846.3	854.6	858.8	862.9
40°	914.9	912.8	902.4	889.9	887.9	896.2	898.3	902.4	910.7	914.9	917.0
42.5°	989.7	985.6	969.0	956.5	954.4	964.8	969.0	973.1	983.5	987.7	991.8
45°	1081.2	1079.2	1060.4	1045.9	1039.6	1054.2	1054.2	1058.4	1068.8	1077.1	1077.1
47.5°	1181.0	1179.0	1164.4	1147.8	1149.9	1160.2	1158.2	1160.2	1168.6	1176.9	1183.1
50°	1293.3	1287.1	1270.5	1266.3	1276.7	1287.1	1278.8	1276.7	1289.2	1293.3	1291.2
52.5°	1416.0	1409.8	1401.4	1401.4	1426.4	1445.1	1438.9	1420.2	1420.2	1418.1	1416.0
55°	1561.6	1557.4	1555.3	1565.7	1607.3	1644.7	1621.9	1586.5	1572.0	1563.6	1567.8
57.5°	1713.3	1702.9	1721.7	1744.5	1827.7	1881.8	1846.4	1779.9	1759.1	1742.5	1734.1
60°	1867.2	1863.1	1890.1	1944.1	2062.7	2154.2	2106.3	1996.1	1958.7	1921.3	1921.3
62.5°	2016.9	2012.8	2052.3	2135.4	2322.6	2457.7	2370.4	2231.1	2158.3	2102.2	2093.9
65°	2197.8	2191.6	2235.2	2324.7	2574.2	2744.7	2634.5	2451.5	2364.2	2287.2	2276.8
67.5°	2345.4	2345.4	2403.7	2513.9	2786.3	2965.1	2827.8	2669.8	2567.9	2488.9	2480.6
70°	2486.8	2499.3	2543.0	2651.1	2948.4	3110.6	2985.9	2844.5	2753.0	2674.0	2665.7
72.5°	2547.1	2563.8	2607.4	2713.5	3019.1	3208.4	3062.8	2900.6	2802.9	2723.9	2713.5
74°	2434.9	2453.6	2518.0	2653.2	2998.3	3212.5	3058.6	2844.5	2690.6	2592.9	2592.9
75°	2308.0	2333.0	2409.9	2555.5	2954.7	3189.6	3015.0	2755.1	2540.9	2426.5	2432.8
77.5°	1779.9	1833.9	1917.1	2145.8	2651.1	2994.2	2680.2	2210.3	1867.2	1696.7	1692.5
80°	507.3	582.2	771.4	1280.8	2014.8	2385.0	1969.1	1307.9	923.2	702.8	675.8
82.5°	122.7	143.5	197.5	361.8	860.8	1347.4	975.2	428.3	257.8	168.4	135.2
85°	52.0	56.1	89.4	124.8	237.0	357.6	226.6	145.6	106.0	47.8	45.7
87.5°	18.7	20.8	33.3	33.3	49.9	29.1	52.0	35.3	37.4	12.5	12.5
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)