

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: P595369

Luminaire Tested: **IST-PA1F-735-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595369
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-PA1F-735-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10694 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B4 - U0 - G3

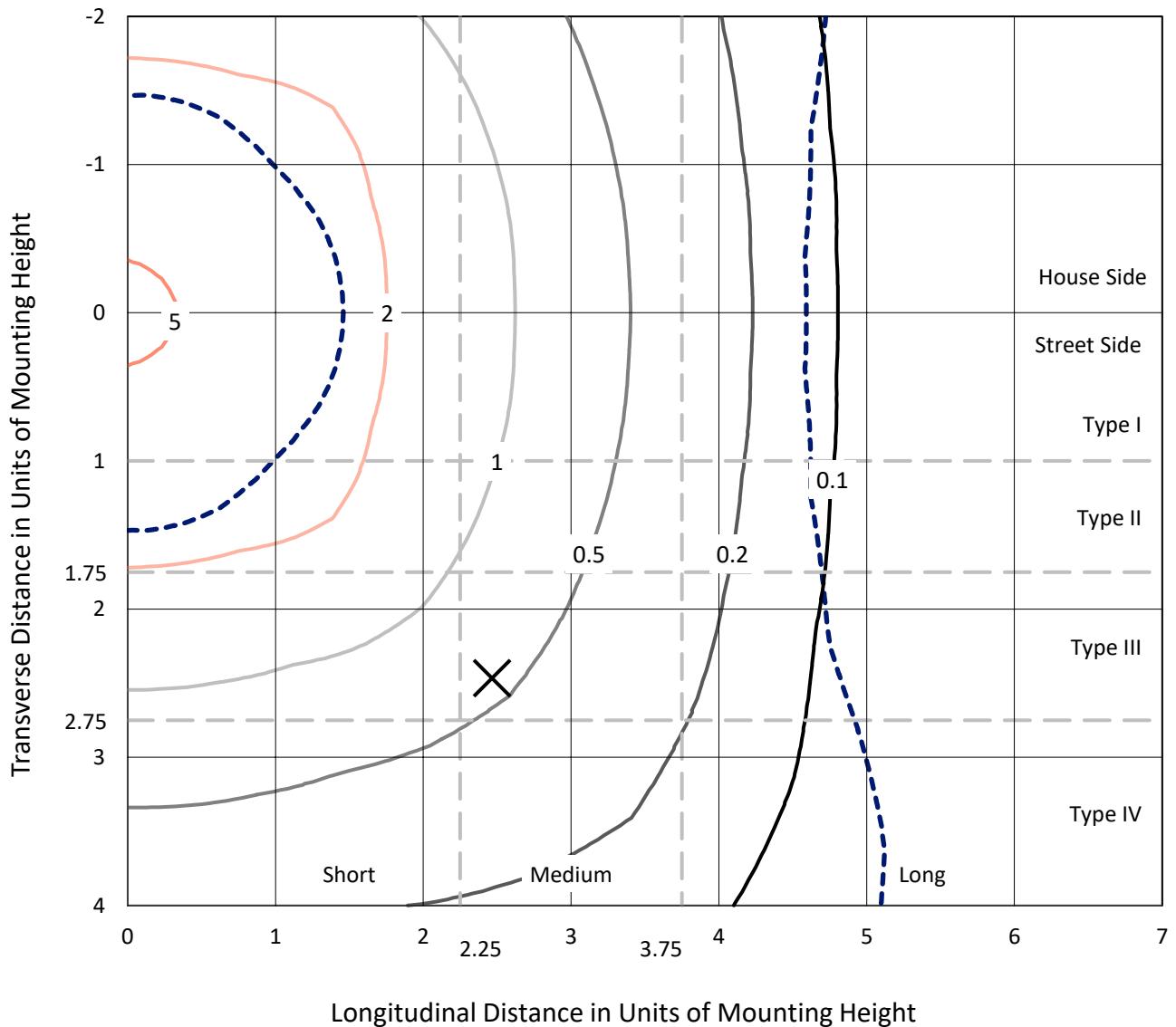
Input Watts (W): 93.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

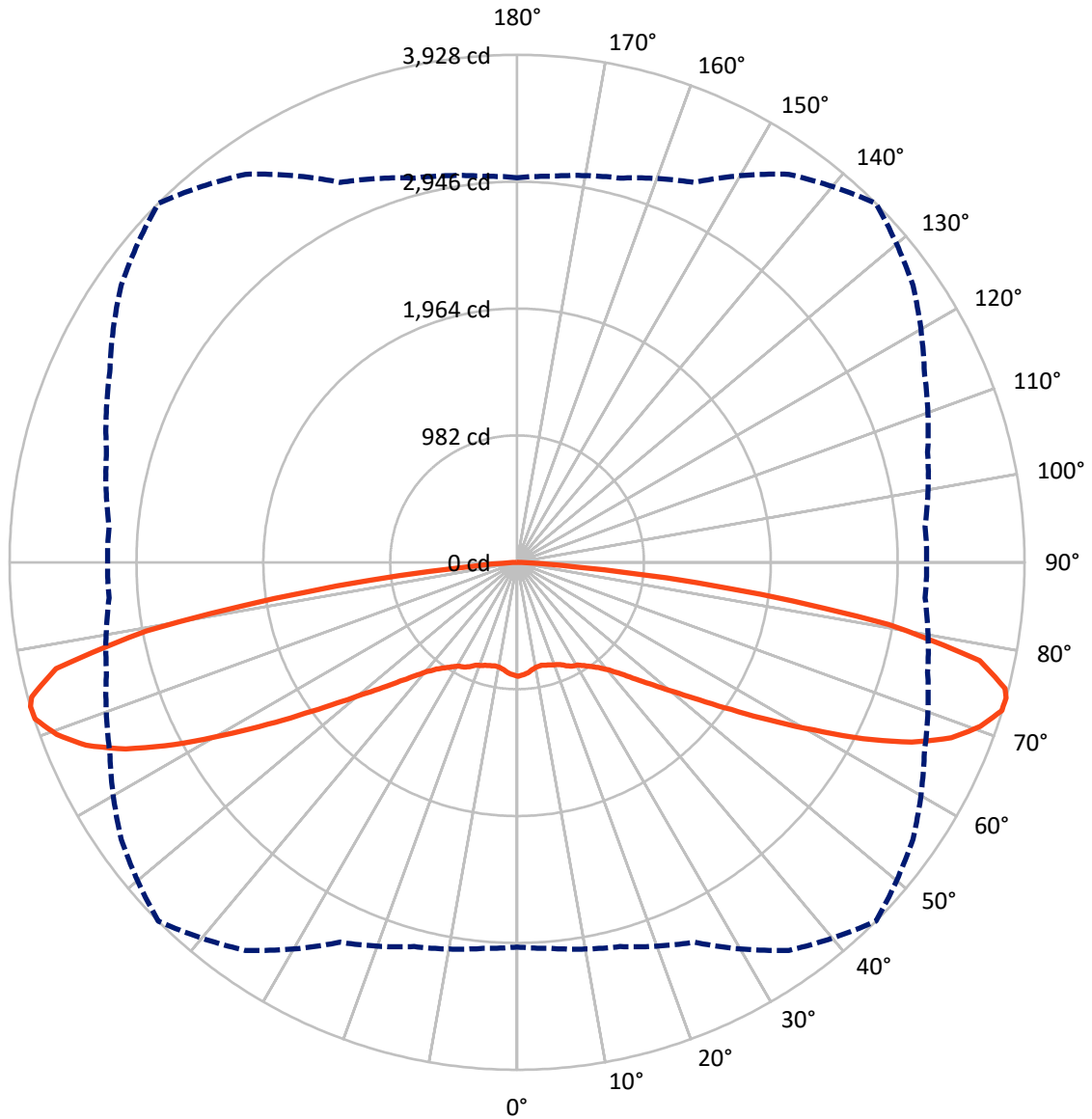
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 6.1 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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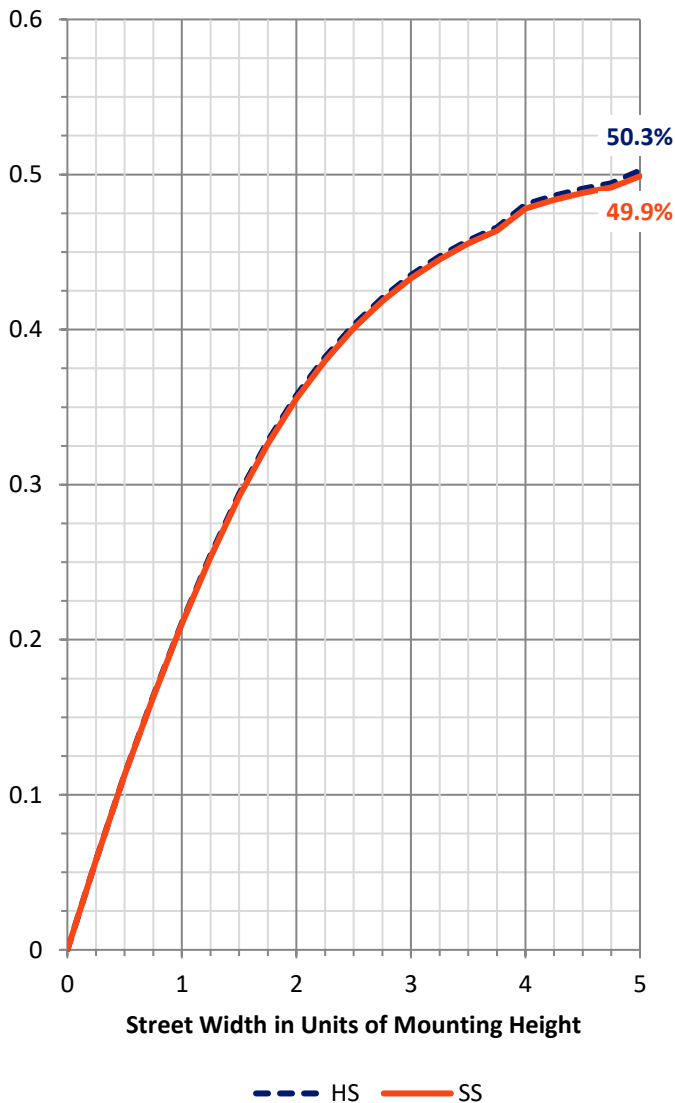
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5347.0	0.0	5347.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5347.0	0.0	5347.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10694.0	0.0	10694.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	0.8
10°-20°	236.9	2.2
20°-30°	409.2	3.8
30°-40°	626.7	5.9
40°-50°	1019.5	9.5
50°-60°	1768.0	16.5
60°-70°	2928.1	27.4
70°-80°	3168.2	29.6
80°-90°	456.6	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°	10694.0	100.0
0°-180°	10694.0	100.0

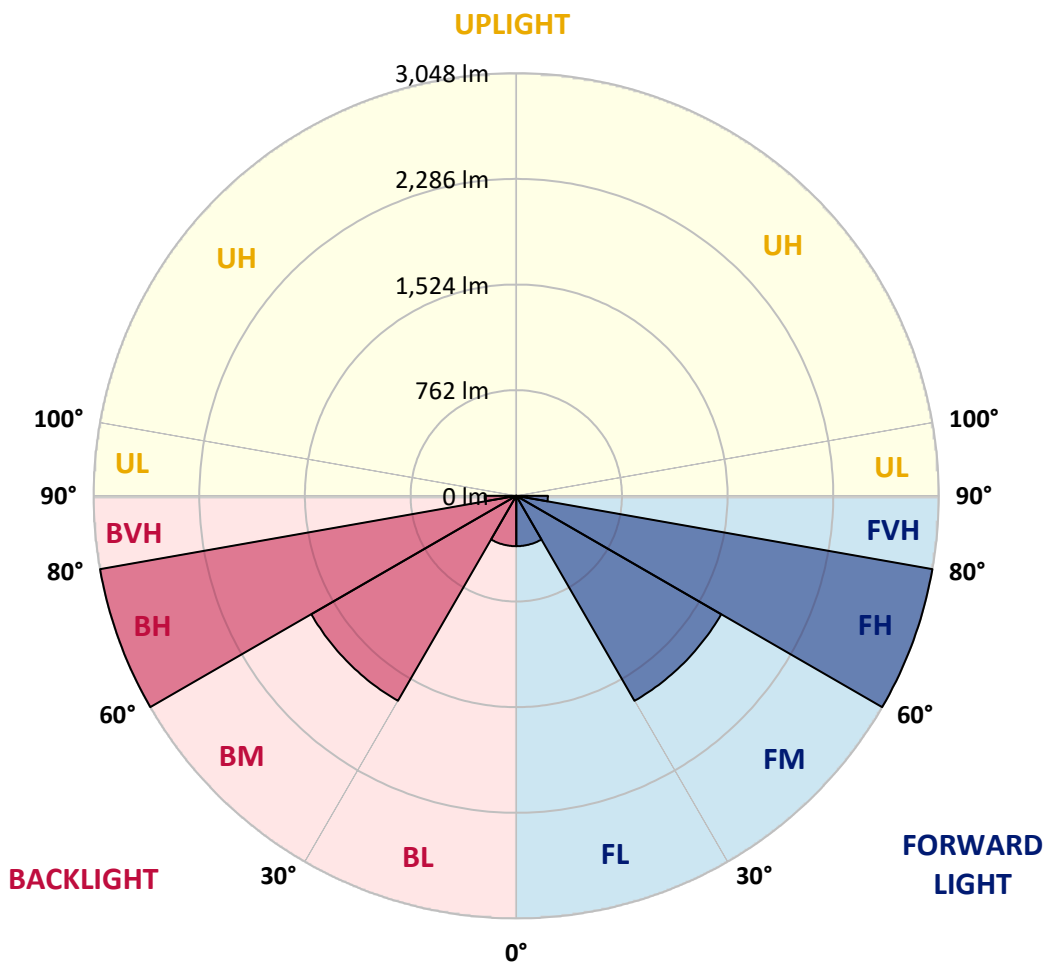


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.5	3.4			
FM (30°-60°)	1707.1	16.0			
FH (60°-80°)	3048.1	28.5			G2/5000
FVH (80°-90°)	228.3	2.1			G3/500
BL (0°-30°)	363.5	3.4	B1/500		
BM (30°-60°)	1707.1	16.0	B2/2500		
BH (60°-80°)	3048.1	28.5	B4/5000		G2/5000
BVH (80°-90°)	228.3	2.1			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2
2.5°	869.5	872.1	872.1	869.5	872.1	872.1	872.1	874.6	872.1	877.1	874.6
5°	856.8	856.8	859.3	856.8	856.8	859.3	856.8	861.9	859.3	864.4	859.3
7.5°	836.5	836.5	836.5	836.5	839.0	839.0	839.0	844.1	844.1	844.1	841.5
10°	831.4	828.8	828.8	823.7	823.7	823.7	821.2	828.8	831.4	836.5	833.9
12.5°	833.9	833.9	828.8	823.7	821.2	818.7	818.7	826.3	833.9	836.5	836.5
15°	844.1	844.1	836.5	826.3	826.3	826.3	823.7	826.3	839.0	844.1	839.0
17.5°	851.7	849.2	841.5	836.5	836.5	833.9	833.9	833.9	841.5	849.2	849.2
20°	864.4	864.4	854.3	849.2	849.2	846.6	844.1	841.5	849.2	859.3	856.8
22.5°	882.2	877.1	869.5	864.4	861.9	859.3	854.3	856.8	861.9	869.5	869.5
25°	894.9	894.9	887.3	884.8	887.3	887.3	879.7	874.6	877.1	884.8	884.8
27.5°	900.0	900.0	894.9	894.9	905.1	910.2	900.0	889.8	884.8	892.4	889.8
30°	920.4	920.4	915.3	912.7	920.4	922.9	917.8	910.2	907.6	915.3	912.7
32.5°	956.0	953.4	945.8	938.2	940.7	953.4	943.2	940.7	940.7	948.3	950.9
35°	996.6	991.5	983.9	976.3	978.8	991.5	981.4	981.4	983.9	994.1	994.1
37.5°	1055.1	1050.0	1039.9	1022.1	1019.5	1034.8	1032.2	1034.8	1044.9	1050.0	1055.1
40°	1118.7	1116.1	1103.4	1088.2	1085.6	1095.8	1098.3	1103.4	1113.6	1118.7	1121.2
42.5°	1210.2	1205.1	1184.8	1169.5	1167.0	1179.7	1184.8	1189.9	1202.6	1207.7	1212.7
45°	1322.1	1319.5	1296.6	1278.8	1271.2	1289.0	1289.0	1294.1	1306.8	1317.0	1317.0
47.5°	1444.1	1441.6	1423.8	1403.4	1406.0	1418.7	1416.1	1418.7	1428.8	1439.0	1446.6
50°	1581.4	1573.8	1553.4	1548.3	1561.0	1573.8	1563.6	1561.0	1576.3	1581.4	1578.8
52.5°	1731.4	1723.8	1713.6	1713.6	1744.1	1767.0	1759.4	1736.5	1736.5	1733.9	1731.4
55°	1909.4	1904.3	1901.7	1914.4	1965.3	2011.1	1983.1	1939.9	1922.1	1911.9	1917.0
57.5°	2095.0	2082.2	2105.1	2133.1	2234.8	2300.9	2257.7	2176.3	2150.9	2130.5	2120.4
60°	2283.1	2278.0	2311.1	2377.2	2522.1	2633.9	2575.5	2440.7	2395.0	2349.2	2349.2
62.5°	2466.1	2461.1	2509.4	2611.1	2839.9	3005.1	2898.4	2728.0	2639.0	2570.4	2560.2
65°	2687.3	2679.7	2733.1	2842.4	3147.5	3356.0	3221.2	2997.5	2890.7	2796.7	2784.0
67.5°	2867.9	2867.9	2939.0	3073.8	3406.8	3625.5	3457.7	3264.5	3139.9	3043.3	3033.1
70°	3040.7	3056.0	3109.4	3241.6	3605.2	3803.5	3650.9	3478.0	3366.2	3269.6	3259.4
72.5°	3114.5	3134.8	3188.2	3317.9	3691.6	3923.0	3745.0	3546.7	3427.2	3330.6	3317.9
74°	2977.2	3000.1	3078.9	3244.1	3666.2	3928.0	3739.9	3478.0	3289.9	3170.4	3170.4
75°	2822.1	2852.6	2946.7	3124.6	3612.8	3900.1	3686.5	3368.7	3106.8	2967.0	2974.6
77.5°	2176.3	2242.4	2344.1	2623.8	3241.6	3661.1	3277.2	2702.6	2283.1	2074.6	2069.5
80°	620.4	711.9	943.2	1566.1	2463.6	2916.2	2407.7	1599.2	1128.8	859.3	826.3
82.5°	150.0	175.4	241.5	442.4	1052.6	1647.5	1192.4	523.7	315.3	205.9	165.3
85°	63.6	68.6	109.3	152.5	289.8	437.3	277.1	178.0	129.7	58.5	55.9
87.5°	22.9	25.4	40.7	40.7	61.0	35.6	63.6	43.2	45.8	15.3	15.3
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)