

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: P595414

Luminaire Tested: **IST-PA1F-830-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595414
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-830-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 80 CRI, 3000K, 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: 9122 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B4 - U0 - G2

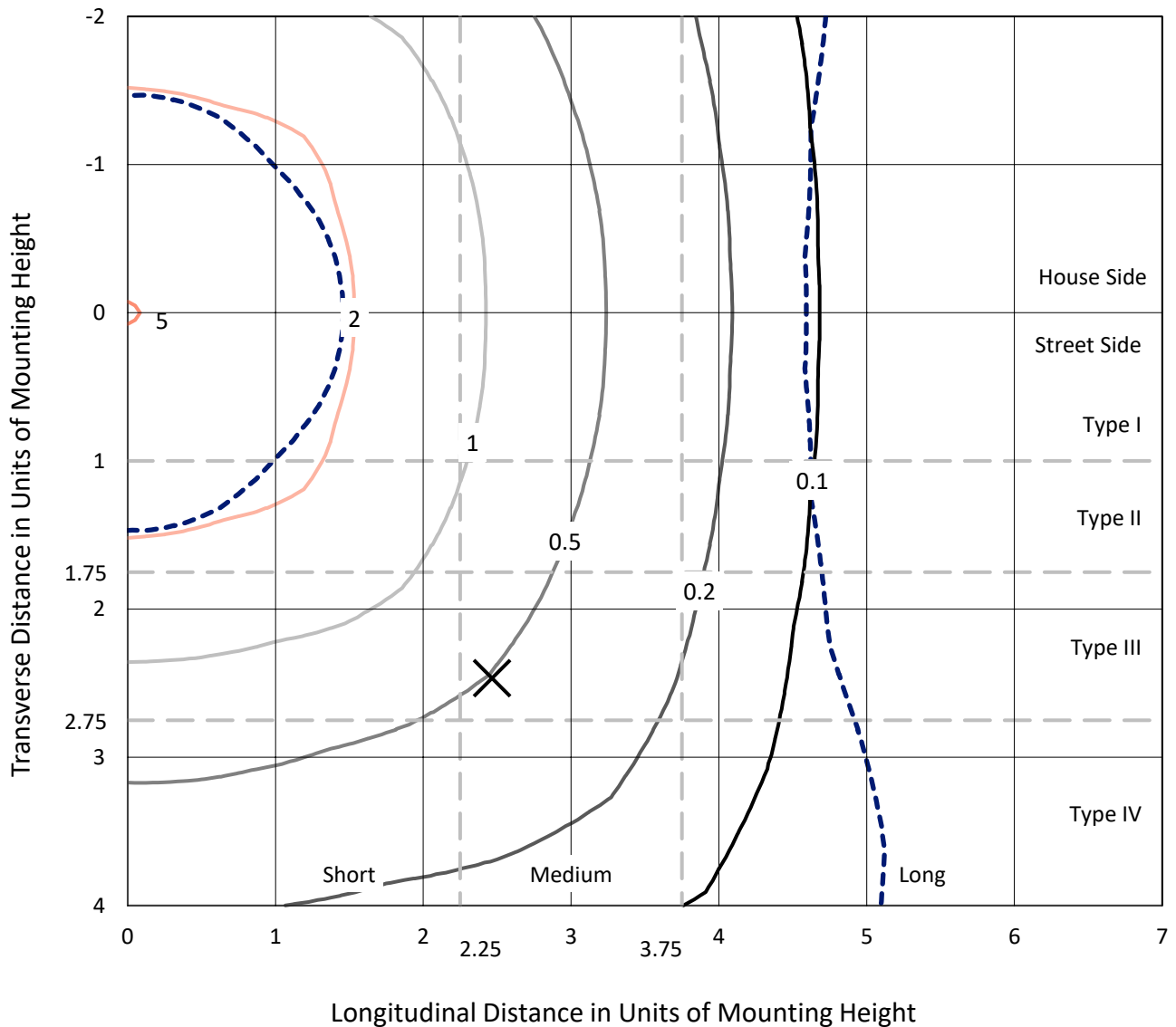
Input Watts (W): 93.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

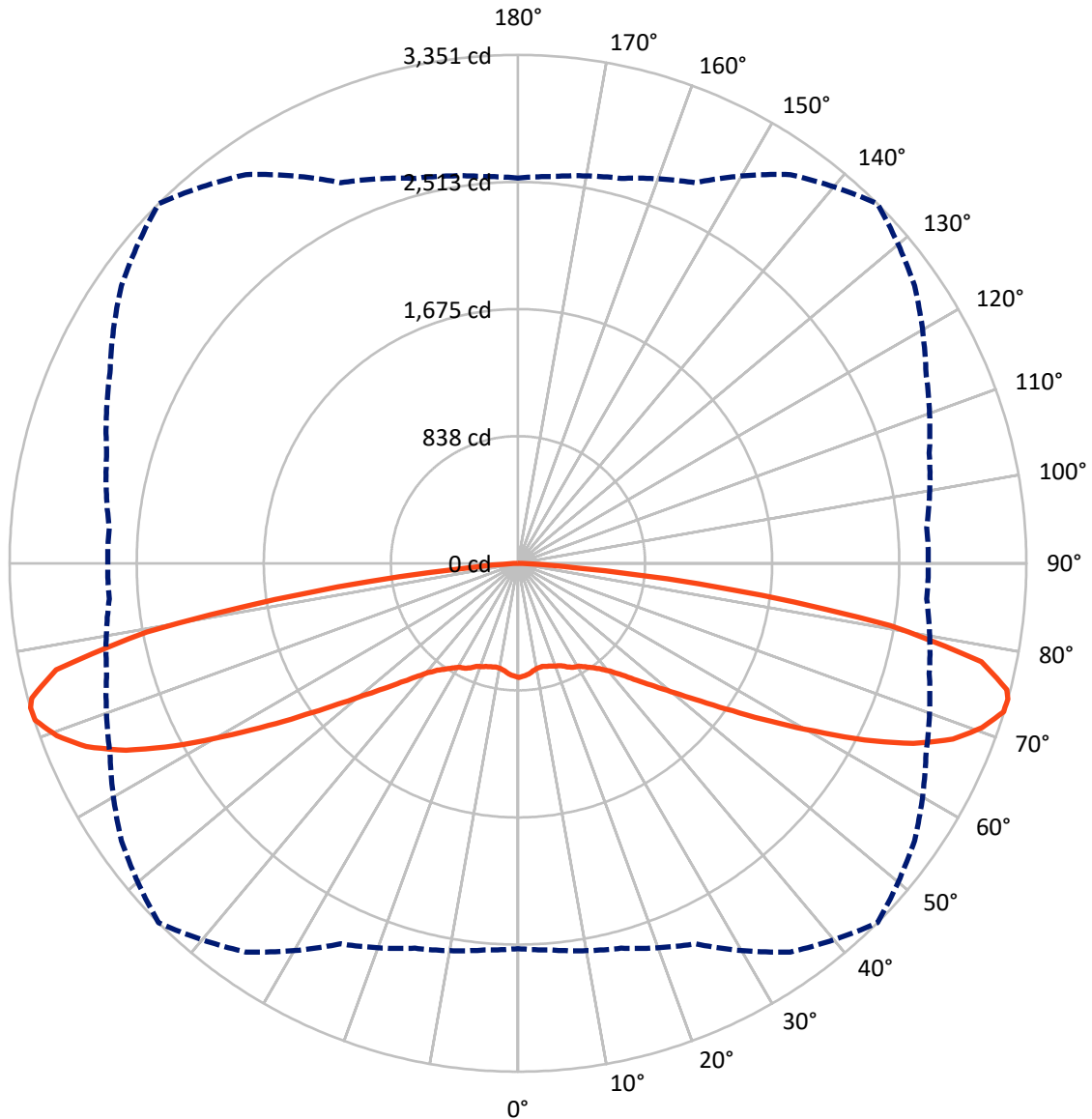
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.2 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	4561.0	0.0	4561.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4561.0	0.0	4561.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9122.0	0.0	9122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	0.8
10°-20°	202.1	2.2
20°-30°	349.0	3.8
30°-40°	534.6	5.9
40°-50°	869.6	9.5
50°-60°	1508.1	16.5
60°-70°	2497.7	27.4
70°-80°	2702.4	29.6
80°-90°	389.4	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°	9122.0	100.0
0°-180°	9122.0	100.0

Coefficient of Utilization

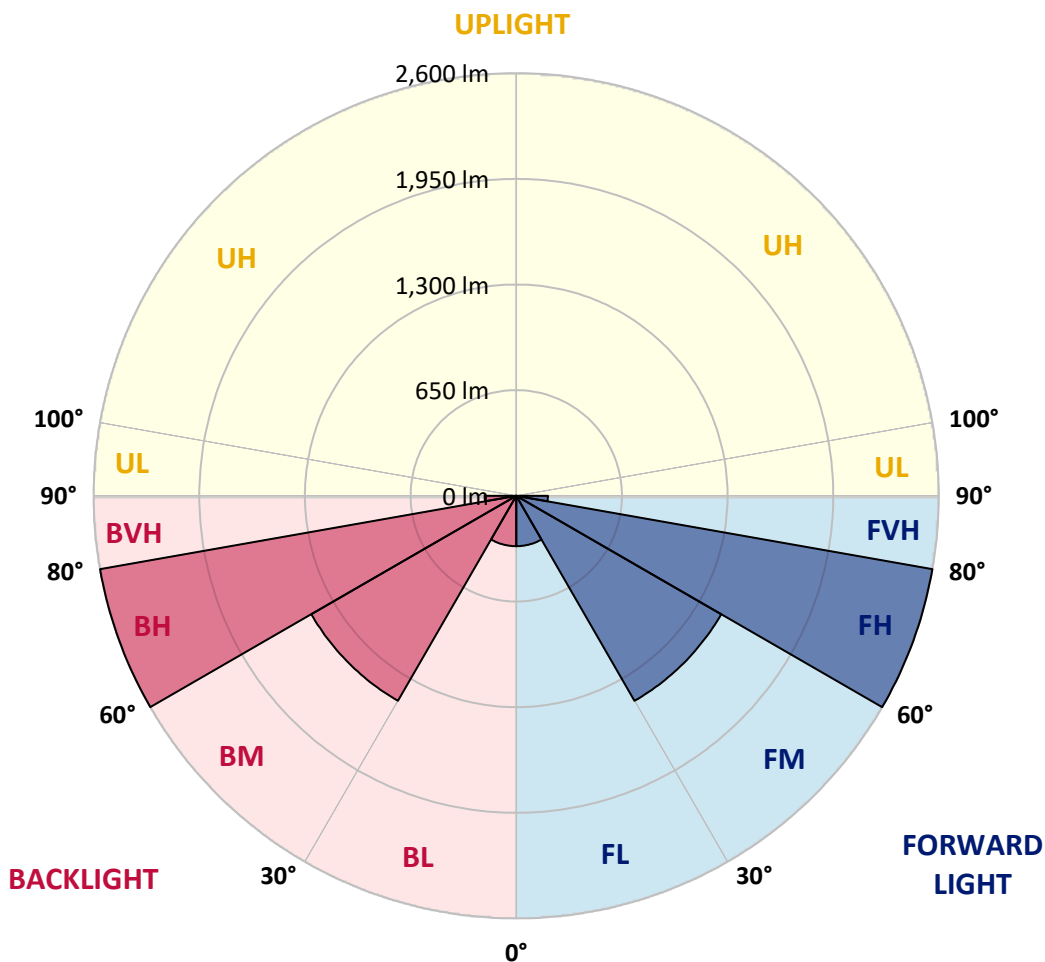


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	310.0	3.4			
FM (30°-60°)	1456.2	16.0			
FH (60°-80°)	2600.0	28.5			G2/5000
FVH (80°-90°)	194.7	2.1			G2/225
BL (0°-30°)	310.0	3.4	B1/500		
BM (30°-60°)	1456.2	16.0	B2/2500		
BH (60°-80°)	2600.0	28.5	B4/5000		G2/5000
BVH (80°-90°)	194.7	2.1			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	752.5	752.5	752.5	752.5	752.5	752.5	752.5	752.5	752.5	752.5	752.5
2.5°	741.7	743.9	743.9	741.7	743.9	743.9	743.9	746.0	743.9	748.2	746.0
5°	730.8	730.8	733.0	730.8	730.8	733.0	730.8	735.2	733.0	737.4	733.0
7.5°	713.5	713.5	713.5	713.5	715.7	715.7	715.7	720.0	720.0	720.0	717.8
10°	709.2	707.0	707.0	702.7	702.7	702.7	700.5	707.0	709.2	713.5	711.3
12.5°	711.3	711.3	707.0	702.7	700.5	698.3	698.3	704.8	711.3	713.5	713.5
15°	720.0	720.0	713.5	704.8	704.8	704.8	702.7	704.8	715.7	720.0	715.7
17.5°	726.5	724.3	717.8	713.5	713.5	711.3	711.3	711.3	717.8	724.3	724.3
20°	737.4	737.4	728.7	724.3	724.3	722.2	720.0	717.8	724.3	733.0	730.8
22.5°	752.5	748.2	741.7	737.4	735.2	733.0	728.7	730.8	735.2	741.7	741.7
25°	763.4	763.4	756.9	754.7	756.9	756.9	750.4	746.0	748.2	754.7	754.7
27.5°	767.7	767.7	763.4	763.4	772.1	776.4	767.7	759.0	754.7	761.2	759.0
30°	785.1	785.1	780.7	778.6	785.1	787.2	782.9	776.4	774.2	780.7	778.6
32.5°	815.4	813.3	806.8	800.2	802.4	813.3	804.6	802.4	802.4	808.9	811.1
35°	850.1	845.8	839.3	832.8	834.9	845.8	837.1	837.1	839.3	848.0	848.0
37.5°	900.0	895.7	887.0	871.8	869.6	882.7	880.5	882.7	891.3	895.7	900.0
40°	954.2	952.1	941.2	928.2	926.0	934.7	936.9	941.2	949.9	954.2	956.4
42.5°	1032.3	1028.0	1010.6	997.6	995.4	1006.3	1010.6	1014.9	1025.8	1030.1	1034.5
45°	1127.7	1125.6	1106.0	1090.9	1084.3	1099.5	1099.5	1103.9	1114.7	1123.4	1123.4
47.5°	1231.8	1229.6	1214.5	1197.1	1199.3	1210.1	1208.0	1210.1	1218.8	1227.5	1234.0
50°	1348.9	1342.4	1325.1	1320.7	1331.6	1342.4	1333.7	1331.6	1344.6	1348.9	1346.8
52.5°	1476.9	1470.4	1461.7	1461.7	1487.7	1507.2	1500.7	1481.2	1481.2	1479.0	1476.9
55°	1628.7	1624.3	1622.2	1633.0	1676.4	1715.4	1691.6	1654.7	1639.5	1630.9	1635.2
57.5°	1787.0	1776.2	1795.7	1819.5	1906.3	1962.7	1925.8	1856.4	1834.7	1817.4	1808.7
60°	1947.5	1943.1	1971.3	2027.7	2151.3	2246.8	2196.9	2081.9	2042.9	2003.9	2003.9
62.5°	2103.6	2099.3	2140.5	2227.2	2422.4	2563.4	2472.3	2327.0	2251.1	2192.5	2183.9
65°	2292.3	2285.8	2331.3	2424.6	2684.8	2862.7	2747.7	2556.9	2465.8	2385.6	2374.7
67.5°	2446.3	2446.3	2507.0	2621.9	2906.0	3092.6	2949.4	2784.6	2678.3	2595.9	2587.2
70°	2593.8	2606.8	2652.3	2765.1	3075.2	3244.4	3114.2	2966.8	2871.3	2788.9	2780.3
72.5°	2656.6	2674.0	2719.5	2830.1	3148.9	3346.3	3194.5	3025.3	2923.4	2841.0	2830.1
74°	2539.5	2559.1	2626.3	2767.2	3127.3	3350.6	3190.1	2966.8	2806.3	2704.4	2704.4
75°	2407.2	2433.3	2513.5	2665.3	3081.7	3326.8	3144.6	2873.5	2650.1	2530.9	2537.4
77.5°	1856.4	1912.8	1999.5	2238.1	2765.1	3122.9	2795.4	2305.3	1947.5	1769.7	1765.3
80°	529.2	607.2	804.6	1335.9	2101.5	2487.5	2053.7	1364.1	962.9	733.0	704.8
82.5°	128.0	149.6	206.0	377.4	897.8	1405.3	1017.1	446.8	268.9	175.7	141.0
85°	54.2	58.6	93.3	130.1	247.2	373.0	236.4	151.8	110.6	49.9	47.7
87.5°	19.5	21.7	34.7	34.7	52.0	30.4	54.2	36.9	39.0	13.0	13.0
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)