

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: P595351

Luminaire Tested: **IST-PA1F-727-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595351
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-727-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 2700K, 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: 9601 lumens
Efficiency: N/A
Efficacy: 102.7 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

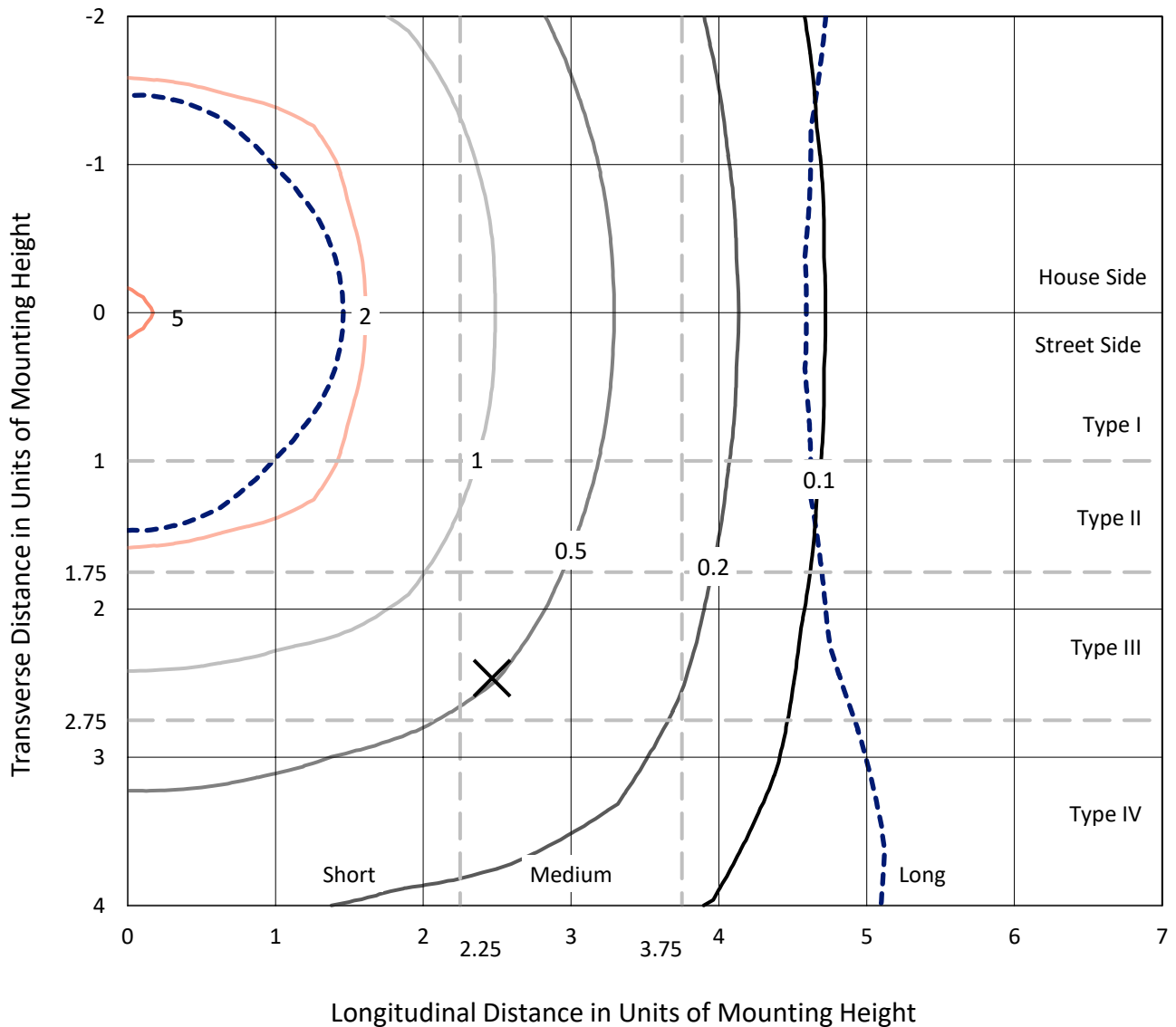
Input Watts (W): 93.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

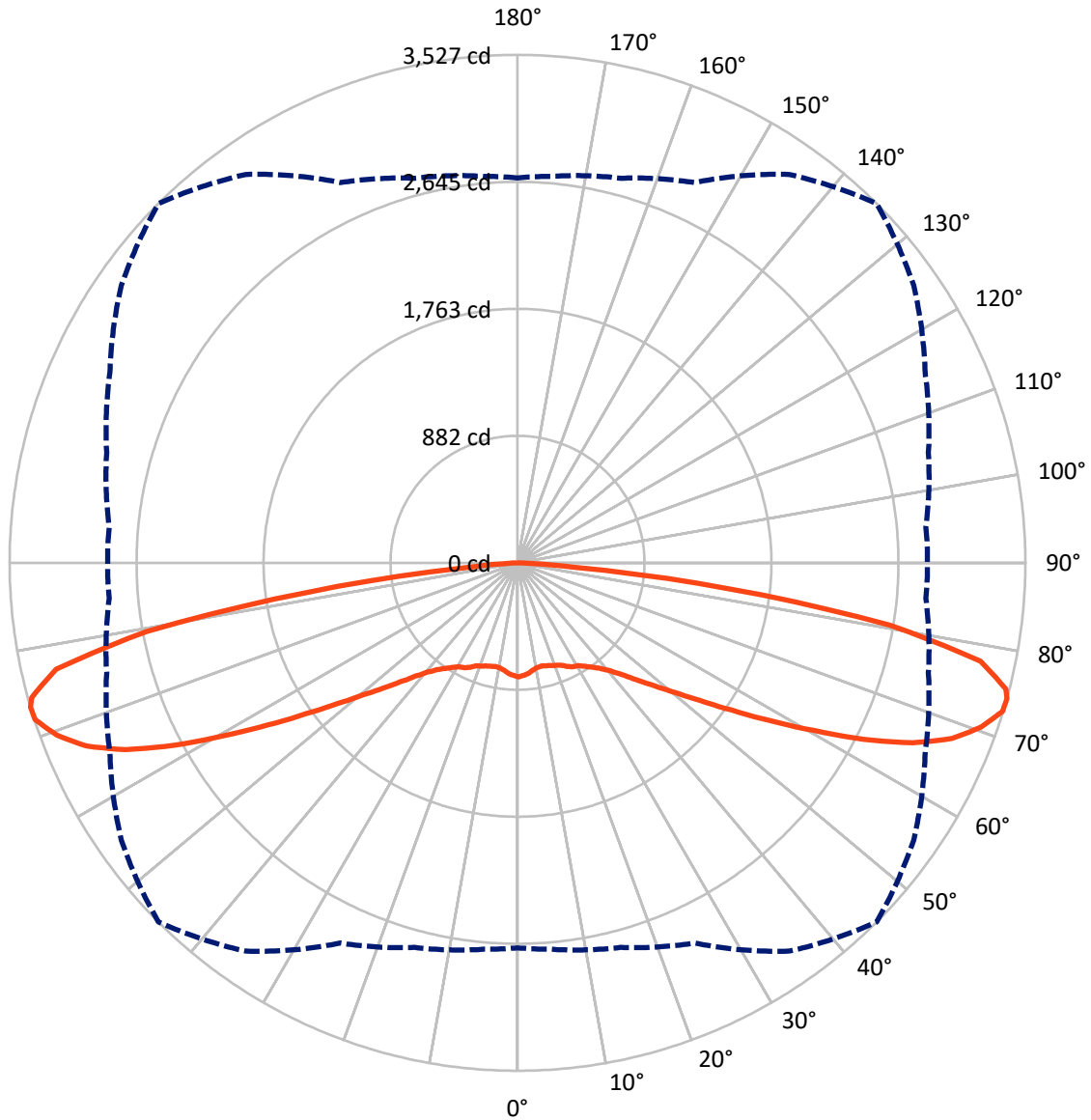
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.5 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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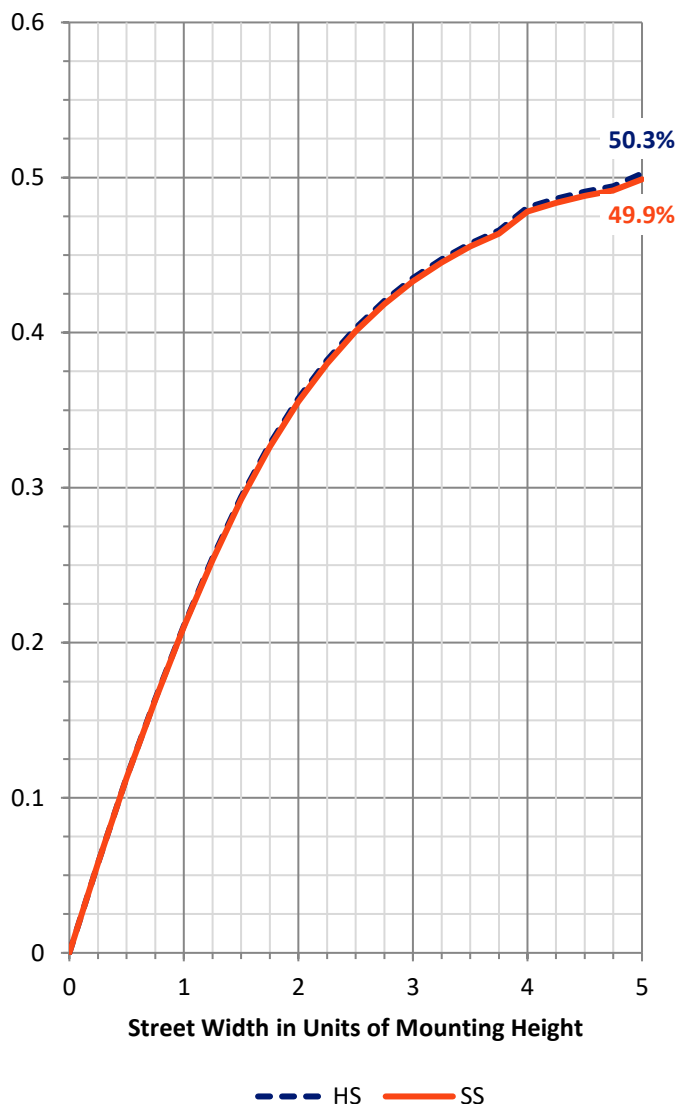
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4800.5	0.0	4800.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4800.5	0.0	4800.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9601.0	0.0	9601.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	0.8
10°-20°	212.7	2.2
20°-30°	367.3	3.8
30°-40°	562.6	5.9
40°-50°	915.3	9.5
50°-60°	1587.3	16.5
60°-70°	2628.8	27.4
70°-80°	2844.4	29.6
80°-90°	409.9	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°	9601.0	100.0
0°-180°	9601.0	100.0

Coefficient of Utilization

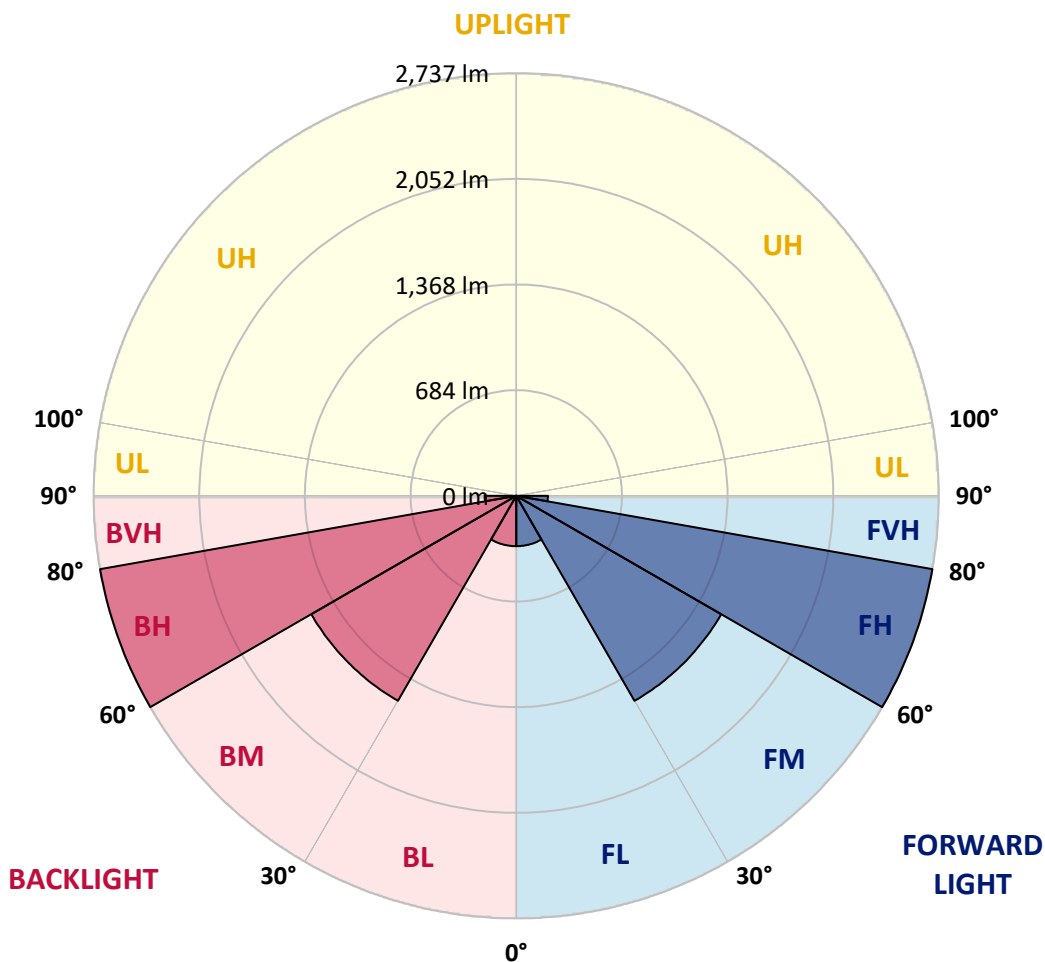


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	326.3	3.4			
FM (30°-60°)	1532.6	16.0			
FH (60°-80°)	2736.6	28.5			G2/5000
FVH (80°-90°)	205.0	2.1			G2/225
BL (0°-30°)	326.3	3.4	B1/500		
BM (30°-60°)	1532.6	16.0	B2/2500		
BH (60°-80°)	2736.6	28.5	B4/5000		G2/5000
BVH (80°-90°)	205.0	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°	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1	792.1
2.5°	780.6	782.9	782.9	780.6	782.9	782.9	782.9	785.2	782.9	787.5	785.2
5°	769.2	769.2	771.5	769.2	769.2	771.5	769.2	773.8	771.5	776.1	771.5
7.5°	751.0	751.0	751.0	751.0	753.2	753.2	753.2	757.8	757.8	757.8	755.5
10°	746.4	744.1	744.1	739.6	739.6	739.6	737.3	744.1	746.4	751.0	748.7
12.5°	748.7	748.7	744.1	739.6	737.3	735.0	735.0	741.8	748.7	751.0	751.0
15°	757.8	757.8	751.0	741.8	741.8	741.8	739.6	741.8	753.2	757.8	753.2
17.5°	764.7	762.4	755.5	751.0	751.0	748.7	748.7	748.7	755.5	762.4	762.4
20°	776.1	776.1	766.9	762.4	762.4	760.1	757.8	755.5	762.4	771.5	769.2
22.5°	792.1	787.5	780.6	776.1	773.8	771.5	766.9	769.2	773.8	780.6	780.6
25°	803.5	803.5	796.6	794.3	796.6	796.6	789.8	785.2	787.5	794.3	794.3
27.5°	808.0	808.0	803.5	803.5	812.6	817.2	808.0	798.9	794.3	801.2	798.9
30°	826.3	826.3	821.7	819.4	826.3	828.6	824.0	817.2	814.9	821.7	819.4
32.5°	858.2	856.0	849.1	842.3	844.6	856.0	846.8	844.6	844.6	851.4	853.7
35°	894.8	890.2	883.4	876.5	878.8	890.2	881.1	881.1	883.4	892.5	892.5
37.5°	947.3	942.7	933.6	917.6	915.3	929.0	926.7	929.0	938.1	942.7	947.3
40°	1004.3	1002.0	990.6	976.9	974.7	983.8	986.1	990.6	999.8	1004.3	1006.6
42.5°	1086.5	1081.9	1063.7	1050.0	1047.7	1059.1	1063.7	1068.2	1079.7	1084.2	1088.8
45°	1186.9	1184.7	1164.1	1148.1	1141.3	1157.3	1157.3	1161.8	1173.2	1182.4	1182.4
47.5°	1296.5	1294.2	1278.2	1260.0	1262.3	1273.7	1271.4	1273.7	1282.8	1291.9	1298.8
50°	1419.8	1412.9	1394.6	1390.1	1401.5	1412.9	1403.8	1401.5	1415.2	1419.8	1417.5
52.5°	1554.4	1547.6	1538.5	1538.5	1565.8	1586.4	1579.5	1559.0	1559.0	1556.7	1554.4
55°	1714.2	1709.6	1707.4	1718.8	1764.4	1805.5	1780.4	1741.6	1725.6	1716.5	1721.1
57.5°	1880.8	1869.4	1890.0	1915.1	2006.4	2065.7	2026.9	1953.9	1931.1	1912.8	1903.7
60°	2049.7	2045.2	2074.9	2134.2	2264.3	2364.7	2312.2	2191.3	2150.2	2109.1	2109.1
62.5°	2214.1	2209.5	2252.9	2344.2	2549.6	2698.0	2602.1	2449.2	2369.3	2307.7	2298.5
65°	2412.7	2405.8	2453.8	2551.9	2825.8	3013.0	2892.0	2691.1	2595.3	2510.8	2499.4
67.5°	2574.7	2574.7	2638.6	2759.6	3058.6	3254.9	3104.3	2930.8	2819.0	2732.2	2723.1
70°	2730.0	2743.6	2791.6	2910.3	3236.7	3414.7	3277.8	3122.6	3022.1	2935.4	2926.3
72.5°	2796.1	2814.4	2862.3	2978.8	3314.3	3522.0	3362.2	3184.2	3076.9	2990.2	2978.8
74°	2672.9	2693.4	2764.2	2912.6	3291.5	3526.6	3357.7	3122.6	2953.6	2846.4	2846.4
75°	2533.7	2561.0	2645.5	2805.3	3243.5	3501.5	3309.7	3024.4	2789.3	2663.8	2670.6
77.5°	1953.9	2013.2	2104.5	2355.6	2910.3	3286.9	2942.2	2426.4	2049.7	1862.6	1858.0
80°	556.9	639.1	846.8	1406.1	2211.8	2618.1	2161.6	1435.7	1013.5	771.5	741.8
82.5°	134.7	157.5	216.8	397.2	945.0	1479.1	1070.5	470.2	283.0	184.9	148.4
85°	57.1	61.6	98.2	137.0	260.2	392.6	248.8	159.8	116.4	52.5	50.2
87.5°	20.5	22.8	36.5	36.5	54.8	32.0	57.1	38.8	41.1	13.7	13.7
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)