

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: P595378

Luminaire Tested: **IST-PA1F-740-U-5WQ**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P595378  
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-740-U-5WQ  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
(1) 70 CRI, 4000K, 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: 11480 lumens  
Efficiency: N/A  
Efficacy: 122.8 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

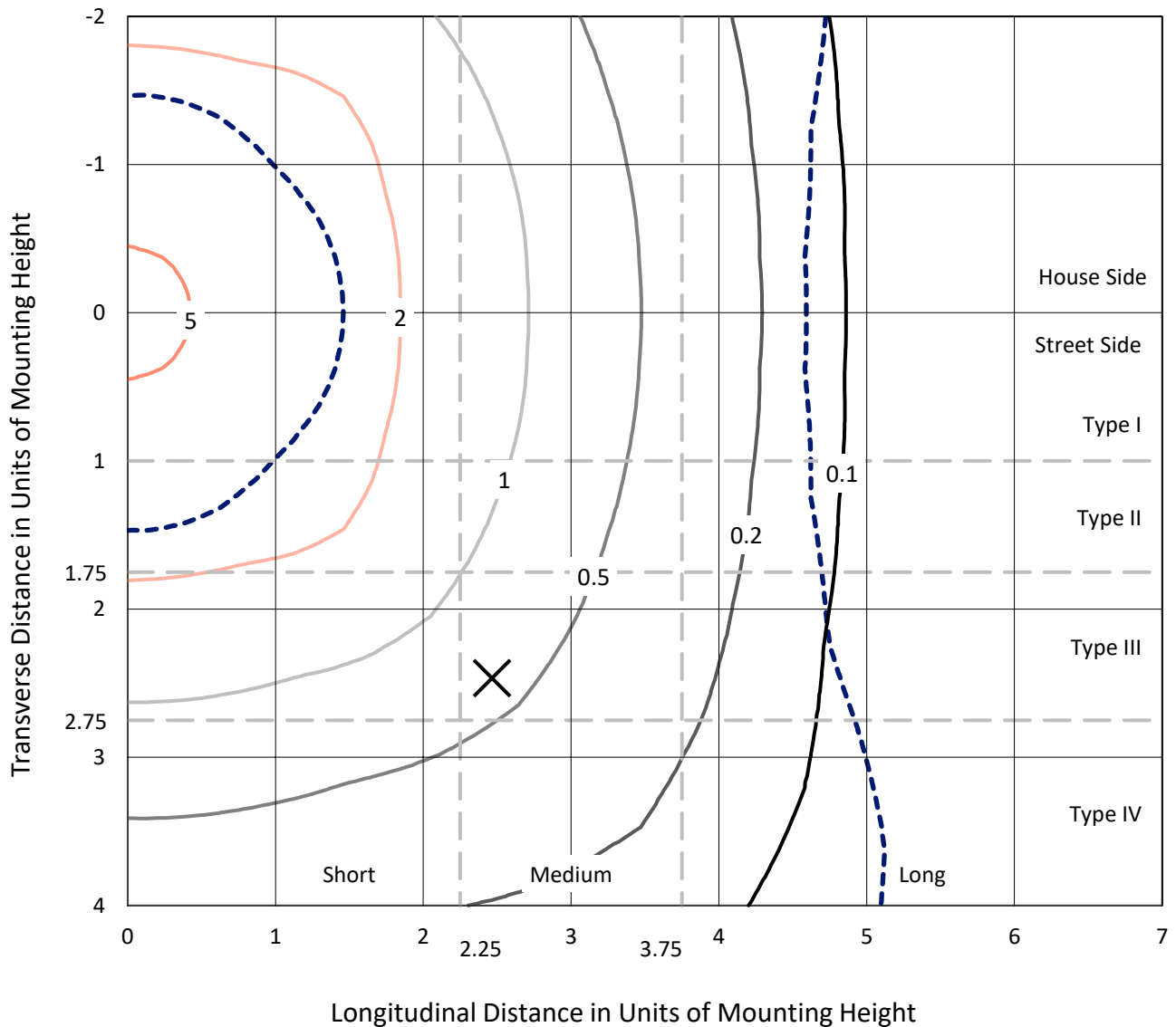
Input Watts (W): 93.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

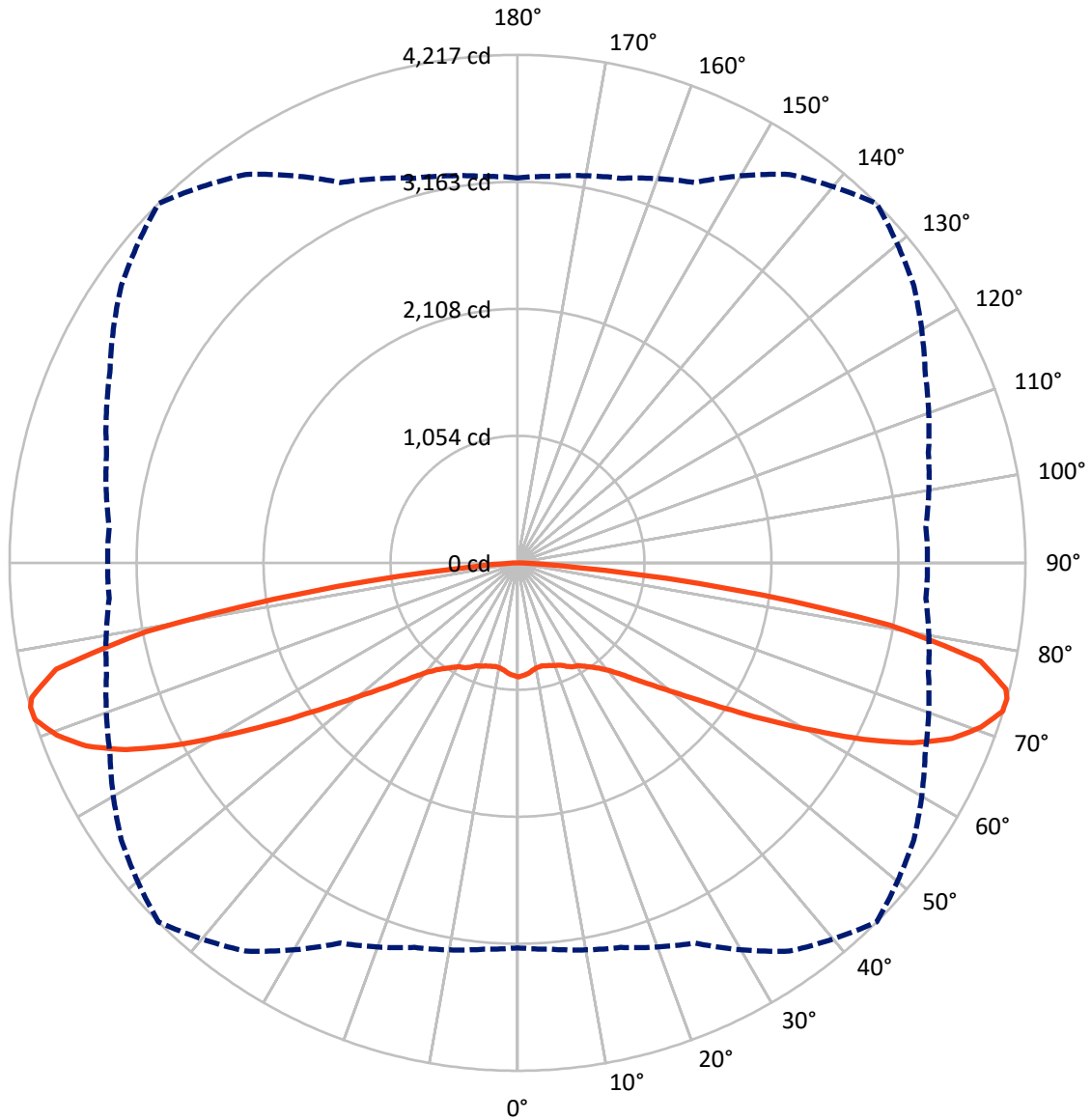
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 6.6 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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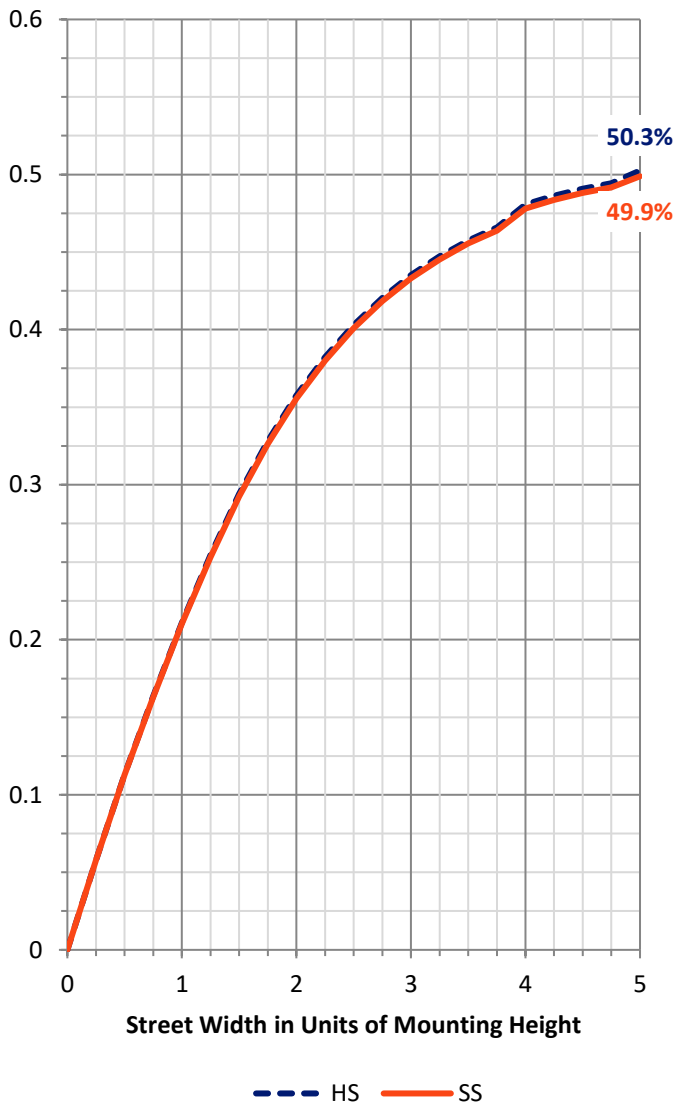
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5740.0	0.0	5740.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5740.0	0.0	5740.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11480.0	0.0	11480.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.8	0.8
10°-20°	254.3	2.2
20°-30°	439.2	3.8
30°-40°	672.7	5.9
40°-50°	1094.4	9.5
50°-60°	1898.0	16.5
60°-70°	3143.3	27.4
70°-80°	3401.0	29.6
80°-90°	490.1	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°	11480.0	100.0
0°-180°	11480.0	100.0



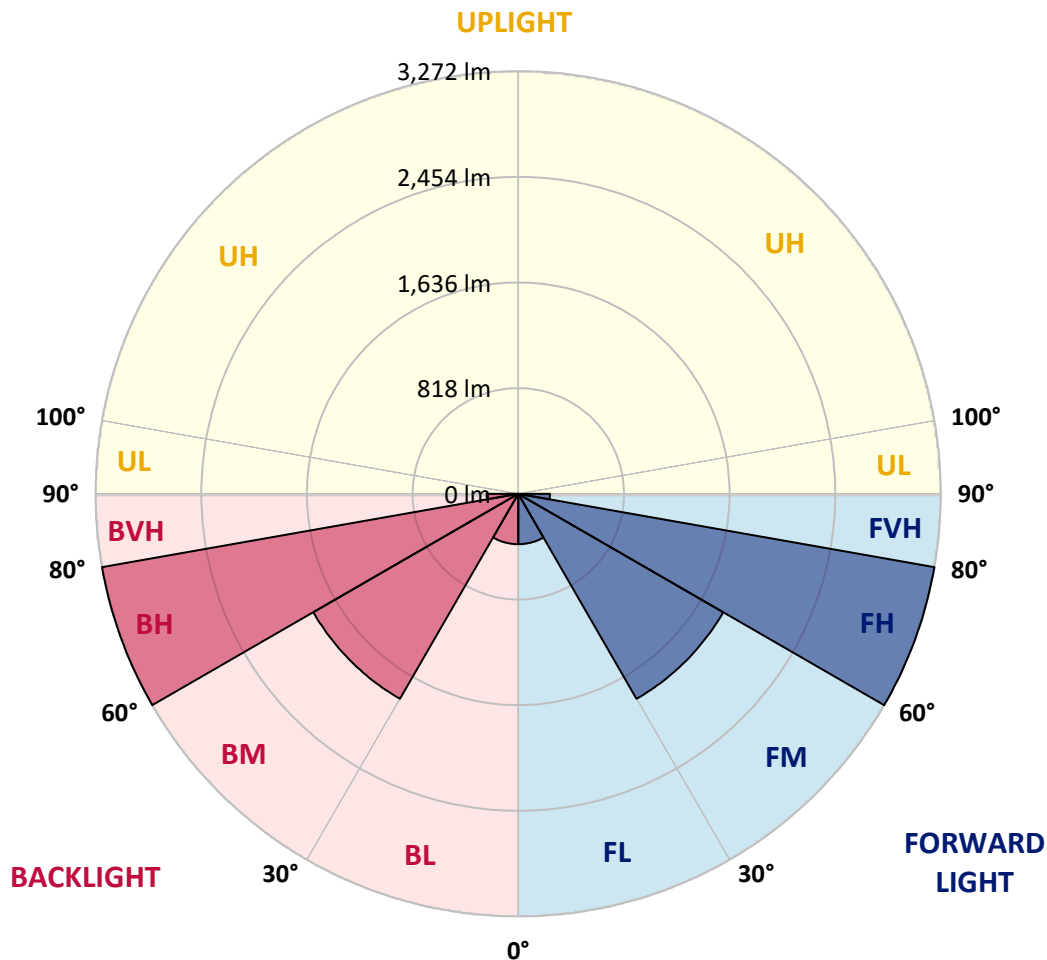
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	390.2	3.4			
FM (30°-60°)	1832.6	16.0			
FH (60°-80°)	3272.2	28.5			G2/5000
FVH (80°-90°)	245.1	2.1			G3/500
BL (0°-30°)	390.2	3.4	B1/500		
BM (30°-60°)	1832.6	16.0	B2/2500		
BH (60°-80°)	3272.2	28.5	B4/5000		G2/5000
BVH (80°-90°)	245.1	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°	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1	947.1
2.5°	933.4	936.1	936.1	933.4	936.1	936.1	936.1	938.9	936.1	941.6	938.9
5°	919.8	919.8	922.5	919.8	919.8	919.8	919.8	925.2	922.5	928.0	922.5
7.5°	897.9	897.9	897.9	897.9	900.7	900.7	900.7	906.1	906.1	906.1	903.4
10°	892.5	889.7	889.7	884.3	884.3	884.3	881.6	889.7	892.5	897.9	895.2
12.5°	895.2	895.2	889.7	884.3	881.6	878.8	878.8	887.0	895.2	897.9	897.9
15°	906.1	906.1	897.9	887.0	887.0	887.0	884.3	887.0	900.7	906.1	900.7
17.5°	914.3	911.6	903.4	897.9	897.9	895.2	895.2	895.2	903.4	911.6	911.6
20°	928.0	928.0	917.0	911.6	911.6	908.9	906.1	903.4	911.6	922.5	919.8
22.5°	947.1	941.6	933.4	928.0	925.2	922.5	917.0	919.8	925.2	933.4	933.4
25°	960.7	960.7	952.5	949.8	952.5	952.5	944.3	938.9	941.6	949.8	949.8
27.5°	966.2	966.2	960.7	960.7	971.6	977.1	966.2	955.3	949.8	958.0	955.3
30°	988.0	988.0	982.5	979.8	988.0	990.7	985.3	977.1	974.4	982.5	979.8
32.5°	1026.2	1023.5	1015.3	1007.1	1009.8	1023.5	1012.6	1009.8	1009.8	1018.0	1020.8
35°	1069.9	1064.4	1056.2	1048.0	1050.8	1064.4	1053.5	1053.5	1056.2	1067.2	1067.2
37.5°	1132.7	1127.2	1116.3	1097.2	1094.4	1110.8	1108.1	1110.8	1121.7	1127.2	1132.7
40°	1200.9	1198.2	1184.5	1168.1	1165.4	1176.3	1179.1	1184.5	1195.4	1200.9	1203.6
42.5°	1299.1	1293.7	1271.8	1255.5	1252.7	1266.4	1271.8	1277.3	1291.0	1296.4	1301.9
45°	1419.2	1416.5	1391.9	1372.8	1364.6	1383.7	1383.7	1389.2	1402.9	1413.8	1413.8
47.5°	1550.2	1547.5	1528.4	1506.6	1509.3	1522.9	1520.2	1522.9	1533.9	1544.8	1553.0
50°	1697.6	1689.4	1667.6	1662.1	1675.8	1689.4	1678.5	1675.8	1692.2	1697.6	1694.9
52.5°	1858.6	1850.5	1839.5	1839.5	1872.3	1896.9	1888.7	1864.1	1864.1	1861.4	1858.6
55°	2049.7	2044.2	2041.5	2055.2	2109.7	2158.9	2128.8	2082.4	2063.3	2052.4	2057.9
57.5°	2248.9	2235.3	2259.9	2289.9	2399.0	2470.0	2423.6	2336.3	2309.0	2287.1	2276.2
60°	2450.9	2445.4	2480.9	2551.9	2707.5	2827.5	2764.8	2620.1	2571.0	2521.9	2521.9
62.5°	2647.4	2642.0	2693.8	2803.0	3048.6	3226.0	3111.4	2928.5	2833.0	2759.3	2748.4
65°	2884.9	2876.7	2934.0	3051.3	3378.9	3602.7	3458.0	3217.8	3103.2	3002.2	2988.6
67.5°	3078.6	3078.6	3155.1	3299.7	3657.2	3892.0	3711.8	3504.4	3370.7	3267.0	3256.0
70°	3264.2	3280.6	3337.9	3479.8	3870.1	4083.0	3919.3	3733.7	3613.6	3509.9	3498.9
72.5°	3343.4	3365.2	3422.5	3561.7	3962.9	4211.3	4020.2	3807.4	3679.1	3575.4	3561.7
74°	3196.0	3220.6	3305.2	3482.6	3935.6	4216.7	4014.8	3733.7	3531.7	3403.4	3403.4
75°	3029.5	3062.3	3163.2	3354.3	3878.3	4186.7	3957.5	3616.3	3335.2	3185.1	3193.3
77.5°	2336.3	2407.2	2516.4	2816.6	3479.8	3930.2	3518.1	2901.2	2450.9	2227.1	2221.6
80°	665.9	764.2	1012.6	1681.2	2644.7	3130.5	2584.6	1716.7	1211.8	922.5	887.0
82.5°	161.0	188.3	259.3	474.9	1129.9	1768.6	1280.0	562.2	338.4	221.1	177.4
85°	68.2	73.7	117.4	163.8	311.1	469.4	297.5	191.1	139.2	62.8	60.0
87.5°	24.6	27.3	43.7	43.7	65.5	38.2	68.2	46.4	49.1	16.4	16.4
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)