

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: P595234

Luminaire Tested: **IST-PA1D-760-U-5WQ**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P595234  
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-PA1D-760-U-5WQ  
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE  
(1) 70 CRI, 5700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8491 lumens  
Efficiency: N/A  
Efficacy: 136.1 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

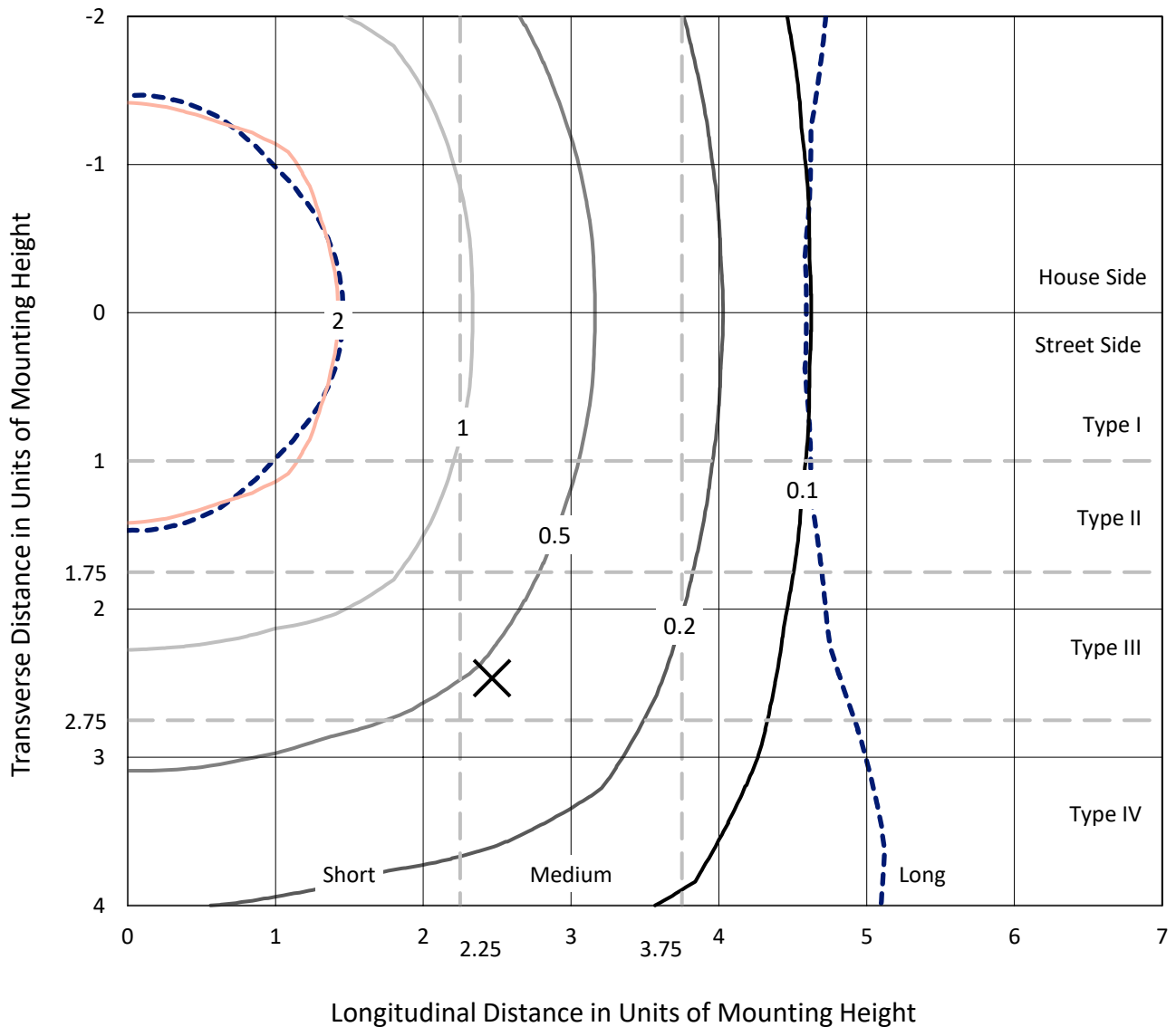
Input Watts (W): 62.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

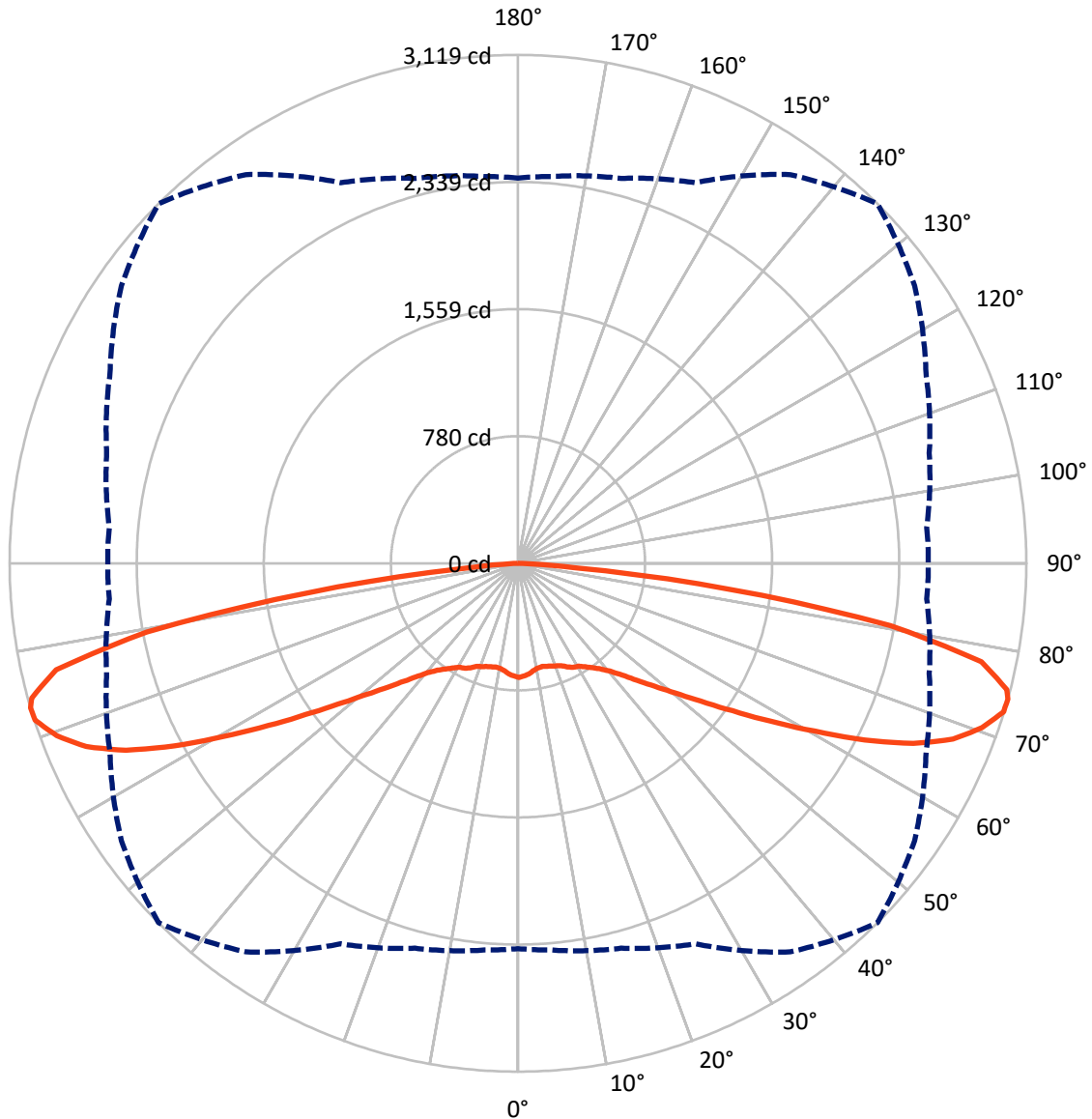
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 4.9 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	4245.5	0.0	4245.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4245.5	0.0	4245.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8491.0	0.0	8491.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.2	0.8
10°-20°	188.1	2.2
20°-30°	324.9	3.8
30°-40°	497.6	5.9
40°-50°	809.5	9.5
50°-60°	1403.8	16.5
60°-70°	2324.9	27.4
70°-80°	2515.5	29.6
80°-90°	362.5	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°	8491.0	100.0
0°-180°	8491.0	100.0

**Coefficient of Utilization**



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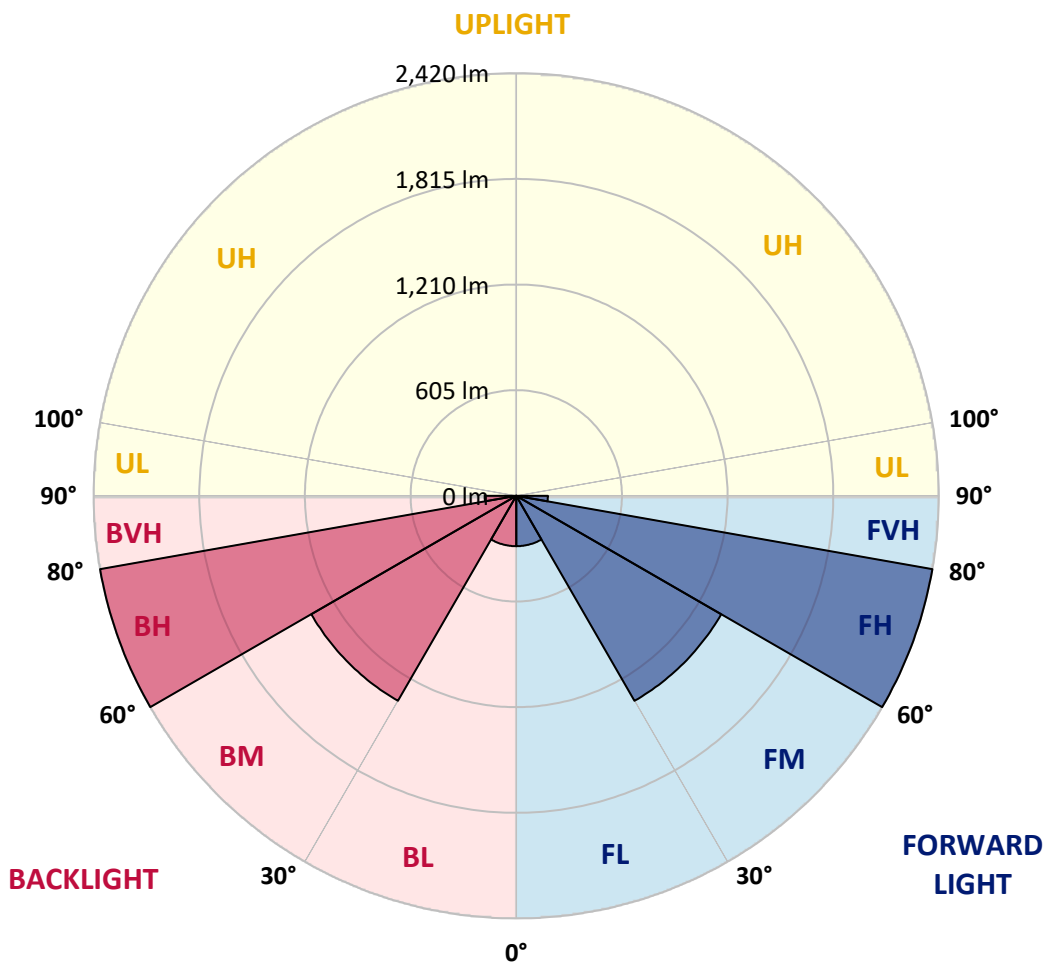
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.6	3.4			
FM (30°-60°)	1355.5	16.0			
FH (60°-80°)	2420.2	28.5			G2/5000
FVH (80°-90°)	181.3	2.1			G2/225
BL (0°-30°)	288.6	3.4	B1/500		
BM (30°-60°)	1355.5	16.0	B2/2500		
BH (60°-80°)	2420.2	28.5	B3/2500		G2/5000
BVH (80°-90°)	181.3	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°	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5
2.5°	690.4	692.4	692.4	690.4	692.4	692.4	692.4	694.4	692.4	696.4	694.4
5°	680.3	680.3	682.3	680.3	680.3	680.3	680.3	684.3	682.3	686.3	682.3
7.5°	664.1	664.1	664.1	664.1	666.2	666.2	666.2	670.2	670.2	670.2	668.2
10°	660.1	658.1	658.1	654.1	654.1	654.1	652.0	658.1	660.1	664.1	662.1
12.5°	662.1	662.1	658.1	654.1	652.0	650.0	650.0	656.1	662.1	664.1	664.1
15°	670.2	670.2	664.1	656.1	656.1	656.1	654.1	656.1	666.2	670.2	666.2
17.5°	676.3	674.2	668.2	664.1	664.1	662.1	662.1	662.1	668.2	674.2	674.2
20°	686.3	686.3	678.3	674.2	674.2	672.2	670.2	668.2	674.2	682.3	680.3
22.5°	700.5	696.4	690.4	686.3	684.3	682.3	678.3	680.3	684.3	690.4	690.4
25°	710.6	710.6	704.5	702.5	704.5	704.5	698.5	694.4	696.4	702.5	702.5
27.5°	714.6	714.6	710.6	710.6	718.6	722.7	714.6	706.5	702.5	708.6	706.5
30°	730.8	730.8	726.7	724.7	730.8	732.8	728.7	722.7	720.7	726.7	724.7
32.5°	759.0	757.0	750.9	744.9	746.9	757.0	748.9	746.9	746.9	753.0	755.0
35°	791.3	787.3	781.2	775.2	777.2	787.3	779.2	779.2	781.2	789.3	789.3
37.5°	837.7	833.7	825.6	811.5	809.5	821.6	819.6	821.6	829.7	833.7	837.7
40°	888.2	886.2	876.1	864.0	862.0	870.0	872.1	876.1	884.2	888.2	890.2
42.5°	960.9	956.9	940.7	928.6	926.6	936.7	940.7	944.7	954.8	958.9	962.9
45°	1049.7	1047.7	1029.5	1015.4	1009.3	1023.5	1023.5	1027.5	1037.6	1045.7	1045.7
47.5°	1146.6	1144.6	1130.5	1114.3	1116.3	1126.4	1124.4	1126.4	1134.5	1142.6	1148.6
50°	1255.6	1249.6	1233.4	1229.4	1239.5	1249.6	1241.5	1239.5	1251.6	1255.6	1253.6
52.5°	1374.7	1368.7	1360.6	1360.6	1384.8	1403.0	1396.9	1378.8	1378.8	1376.7	1374.7
55°	1516.0	1512.0	1510.0	1520.1	1560.4	1596.8	1574.6	1540.2	1526.1	1518.0	1522.1
57.5°	1663.4	1653.3	1671.5	1693.7	1774.4	1826.9	1792.6	1728.0	1707.8	1691.6	1683.6
60°	1812.8	1808.7	1835.0	1887.5	2002.5	2091.3	2044.9	1937.9	1901.6	1865.3	1865.3
62.5°	1958.1	1954.1	1992.4	2073.2	2254.9	2386.1	2301.3	2166.0	2095.4	2040.9	2032.8
65°	2133.7	2127.7	2170.1	2256.9	2499.1	2664.7	2557.7	2380.0	2295.2	2220.5	2210.4
67.5°	2277.1	2277.1	2333.6	2440.6	2705.0	2878.6	2745.4	2592.0	2493.1	2416.4	2408.3
70°	2414.3	2426.4	2468.8	2573.8	2862.5	3019.9	2898.8	2761.5	2672.7	2596.0	2587.9
72.5°	2472.9	2489.0	2531.4	2634.4	2931.1	3114.8	2973.5	2816.1	2721.2	2644.5	2634.4
74°	2363.9	2382.0	2444.6	2575.8	2910.9	3118.9	2969.5	2761.5	2612.2	2517.3	2517.3
75°	2240.7	2265.0	2339.6	2481.0	2868.5	3096.6	2927.1	2674.7	2466.8	2355.8	2361.8
77.5°	1728.0	1780.5	1861.2	2083.3	2573.8	2906.9	2602.1	2145.9	1812.8	1647.2	1643.2
80°	492.6	565.2	748.9	1243.5	1956.1	2315.4	1911.7	1269.7	896.3	682.3	656.1
82.5°	119.1	139.3	191.8	351.2	835.7	1308.1	946.8	415.8	250.3	163.5	131.2
85°	50.5	54.5	86.8	121.1	230.1	347.2	220.0	141.3	103.0	46.4	44.4
87.5°	18.2	20.2	32.3	32.3	48.4	28.3	50.5	34.3	36.3	12.1	12.1
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)