

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: P595189

Luminaire Tested: **IST-PA1D-727-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595189
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-727-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 2700K, 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: 7101 lumens
Efficiency: N/A
Efficacy: 113.8 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

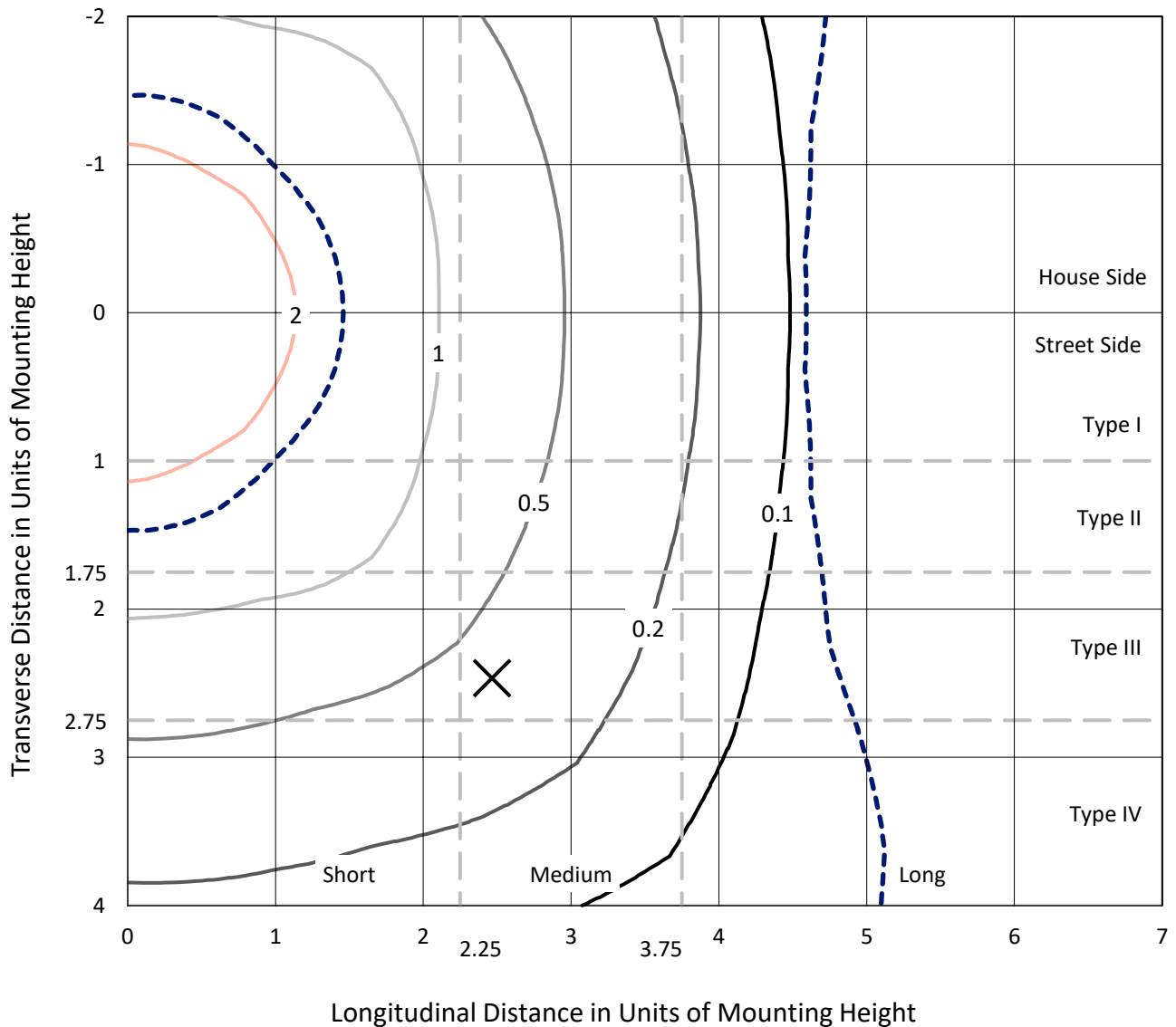
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

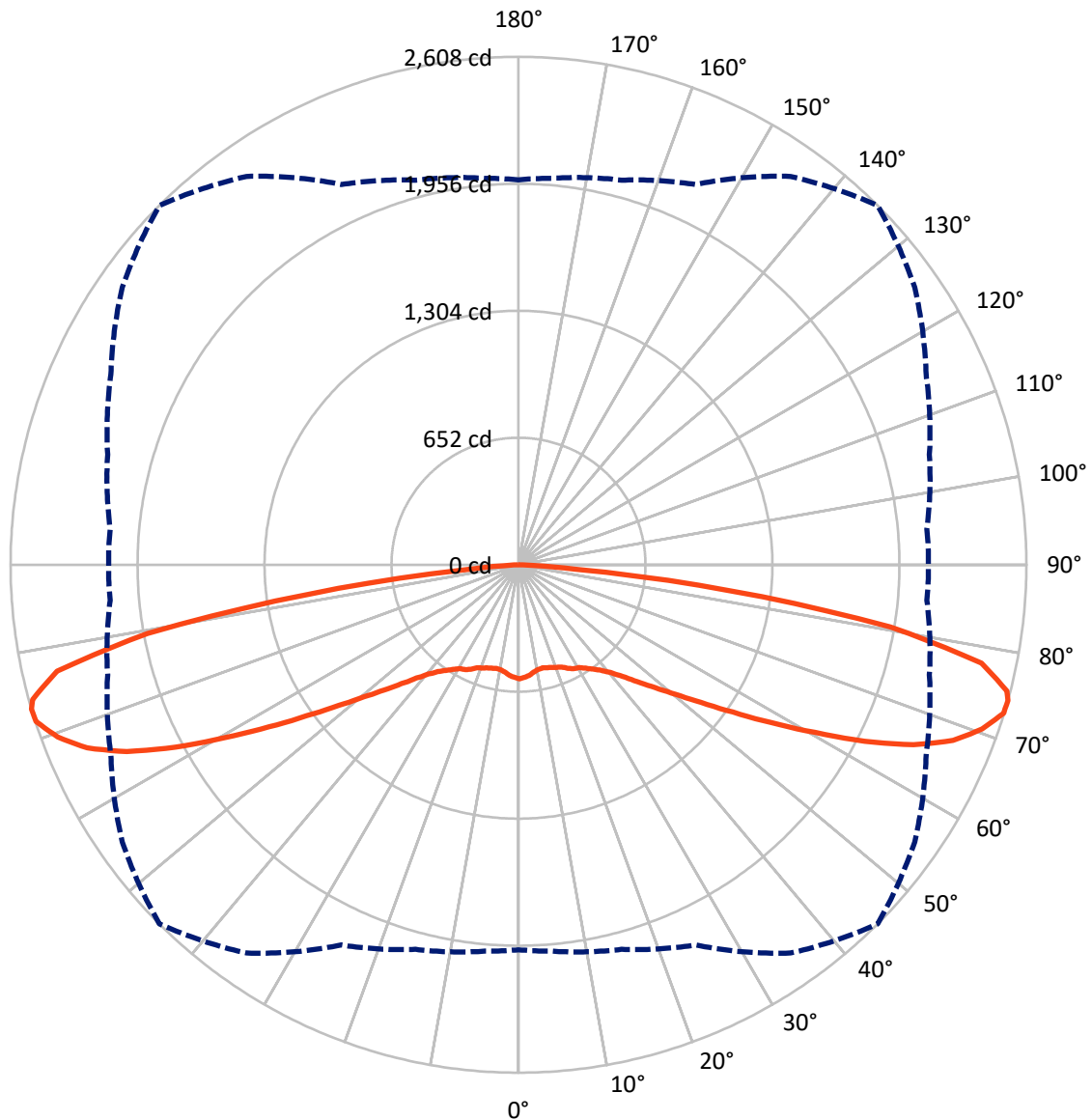
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 4.1 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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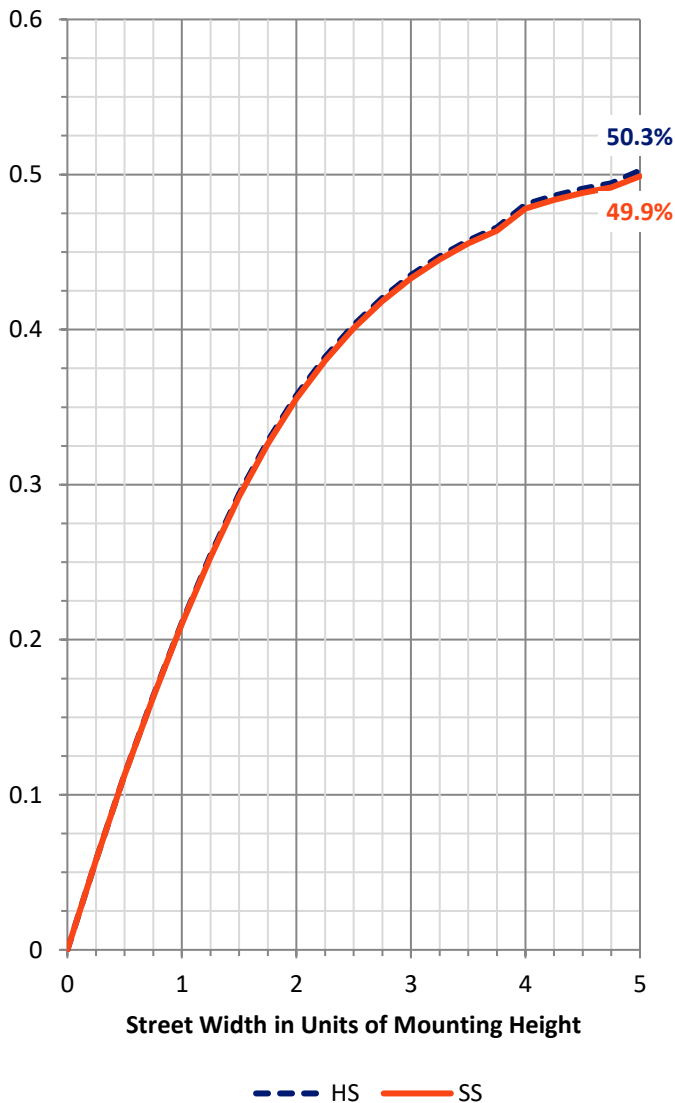
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3550.5	0.0	3550.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3550.5	0.0	3550.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7101.0	0.0	7101.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	0.8
10°-20°	157.3	2.2
20°-30°	271.7	3.8
30°-40°	416.1	5.9
40°-50°	677.0	9.5
50°-60°	1174.0	16.5
60°-70°	1944.3	27.4
70°-80°	2103.7	29.6
80°-90°	303.2	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°	7101.0	100.0
0°-180°	7101.0	100.0

Coefficient of Utilization



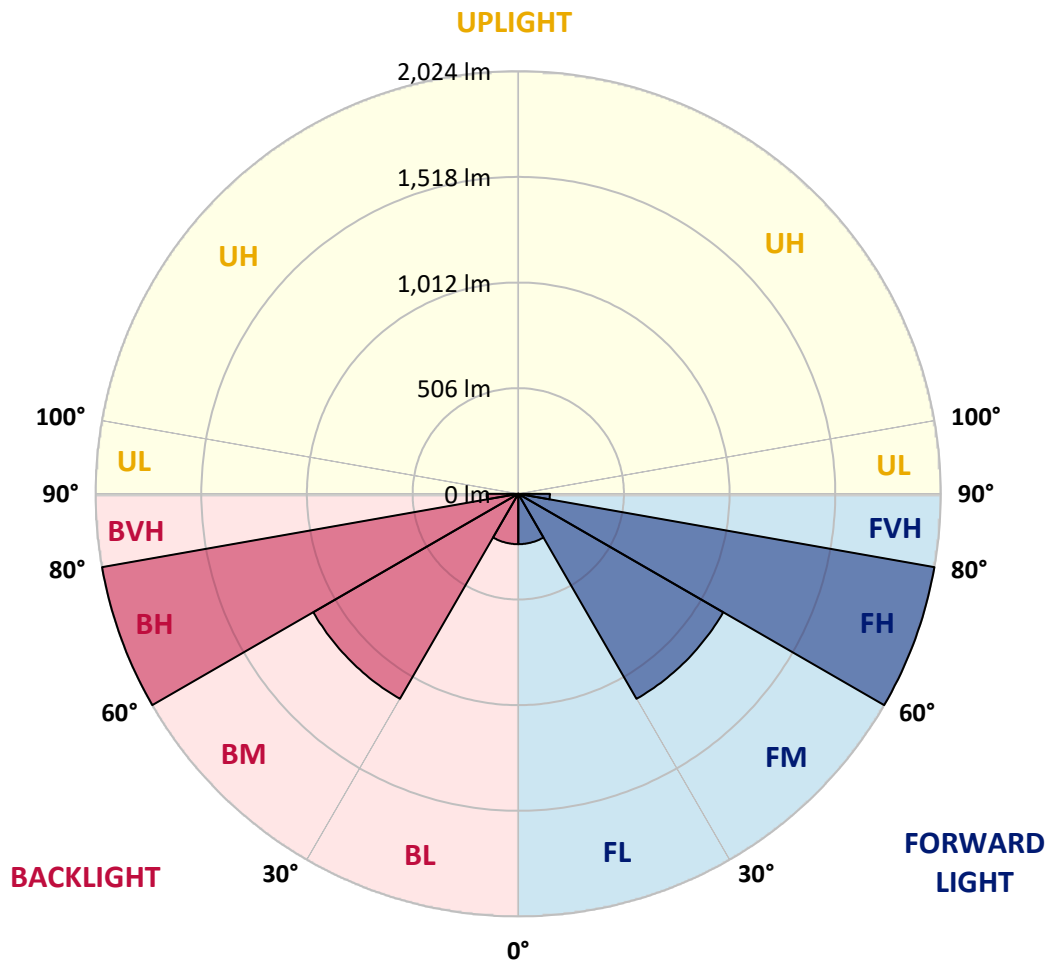
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.4	3.4			
FM (30°-60°)	1133.6	16.0			
FH (60°-80°)	2024.0	28.5			G2/5000
FVH (80°-90°)	151.6	2.1			G2/225
BL (0°-30°)	241.4	3.4	B1/500		
BM (30°-60°)	1133.6	16.0	B2/2500		
BH (60°-80°)	2024.0	28.5	B3/2500		G2/5000
BVH (80°-90°)	151.6	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°	585.8	585.8	585.8	585.8	585.8	585.8	585.8	585.8	585.8	585.8	585.8
2.5°	577.4	579.1	579.1	577.4	579.1	579.1	579.1	580.7	579.1	582.4	580.7
5°	568.9	568.9	570.6	568.9	568.9	570.6	568.9	572.3	570.6	574.0	570.6
7.5°	555.4	555.4	555.4	555.4	557.1	557.1	557.1	560.5	560.5	560.5	558.8
10°	552.0	550.4	550.4	547.0	547.0	547.0	545.3	550.4	552.0	555.4	553.7
12.5°	553.7	553.7	550.4	547.0	545.3	543.6	543.6	548.7	553.7	555.4	555.4
15°	560.5	560.5	555.4	548.7	548.7	548.7	547.0	548.7	557.1	560.5	557.1
17.5°	565.6	563.9	558.8	555.4	555.4	553.7	553.7	553.7	558.8	563.9	563.9
20°	574.0	574.0	567.2	563.9	563.9	562.2	560.5	558.8	563.9	570.6	568.9
22.5°	585.8	582.4	577.4	574.0	572.3	570.6	567.2	568.9	572.3	577.4	577.4
25°	594.3	594.3	589.2	587.5	589.2	589.2	584.1	580.7	582.4	587.5	587.5
27.5°	597.6	597.6	594.3	594.3	601.0	604.4	597.6	590.9	587.5	592.6	590.9
30°	611.1	611.1	607.8	606.1	611.1	612.8	609.4	604.4	602.7	607.8	606.1
32.5°	634.8	633.1	628.0	623.0	624.6	633.1	626.3	624.6	624.6	629.7	631.4
35°	661.8	658.4	653.3	648.3	650.0	658.4	651.6	651.6	653.3	660.1	660.1
37.5°	700.6	697.2	690.5	678.7	677.0	687.1	685.4	687.1	693.9	697.2	700.6
40°	742.8	741.1	732.7	722.6	720.9	727.6	729.3	732.7	739.4	742.8	744.5
42.5°	803.6	800.2	786.7	776.6	774.9	783.3	786.7	790.1	798.5	801.9	805.3
45°	877.9	876.2	861.0	849.2	844.1	855.9	855.9	859.3	867.7	874.5	874.5
47.5°	958.9	957.2	945.4	931.9	933.6	942.0	940.3	942.0	948.8	955.5	960.6
50°	1050.1	1045.0	1031.5	1028.1	1036.6	1045.0	1038.3	1036.6	1046.7	1050.1	1048.4
52.5°	1149.7	1144.6	1137.9	1137.9	1158.1	1173.3	1168.2	1153.0	1153.0	1151.4	1149.7
55°	1267.8	1264.5	1262.8	1271.2	1305.0	1335.4	1316.8	1288.1	1276.3	1269.5	1272.9
57.5°	1391.1	1382.6	1397.8	1416.4	1483.9	1527.8	1499.1	1445.1	1428.2	1414.7	1408.0
60°	1516.0	1512.6	1534.6	1578.5	1674.7	1749.0	1710.2	1620.7	1590.3	1559.9	1559.9
62.5°	1637.6	1634.2	1666.3	1733.8	1885.7	1995.5	1924.6	1811.5	1752.4	1706.8	1700.0
65°	1784.4	1779.4	1814.8	1887.4	2090.0	2228.4	2139.0	1990.4	1919.5	1857.0	1848.6
67.5°	1904.3	1904.3	1951.6	2041.0	2262.2	2407.4	2296.0	2167.7	2084.9	2020.8	2014.0
70°	2019.1	2029.2	2064.7	2152.5	2393.9	2525.6	2424.3	2309.5	2235.2	2171.0	2164.3
72.5°	2068.1	2081.6	2117.0	2203.1	2451.3	2604.9	2486.7	2355.1	2275.7	2211.6	2203.1
74°	1976.9	1992.1	2044.4	2154.2	2434.4	2608.3	2483.4	2309.5	2184.5	2105.2	2105.2
75°	1873.9	1894.2	1956.6	2074.8	2398.9	2589.7	2447.9	2236.9	2063.0	1970.1	1975.2
77.5°	1445.1	1489.0	1556.5	1742.2	2152.5	2431.0	2176.1	1794.6	1516.0	1377.6	1374.2
80°	411.9	472.7	626.3	1039.9	1635.9	1936.4	1598.7	1061.9	749.6	570.6	548.7
82.5°	99.6	116.5	160.4	293.7	698.9	1094.0	791.8	347.8	209.3	136.7	109.7
85°	42.2	45.6	72.6	101.3	192.5	290.4	184.0	118.2	86.1	38.8	37.1
87.5°	15.2	16.9	27.0	27.0	40.5	23.6	42.2	28.7	30.4	10.1	10.1
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)