

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: P595108

Luminaire Tested: **IST-PA1C-727-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595108
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-PA1C-727-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5706 lumens
Efficiency: N/A
Efficacy: 118.1 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

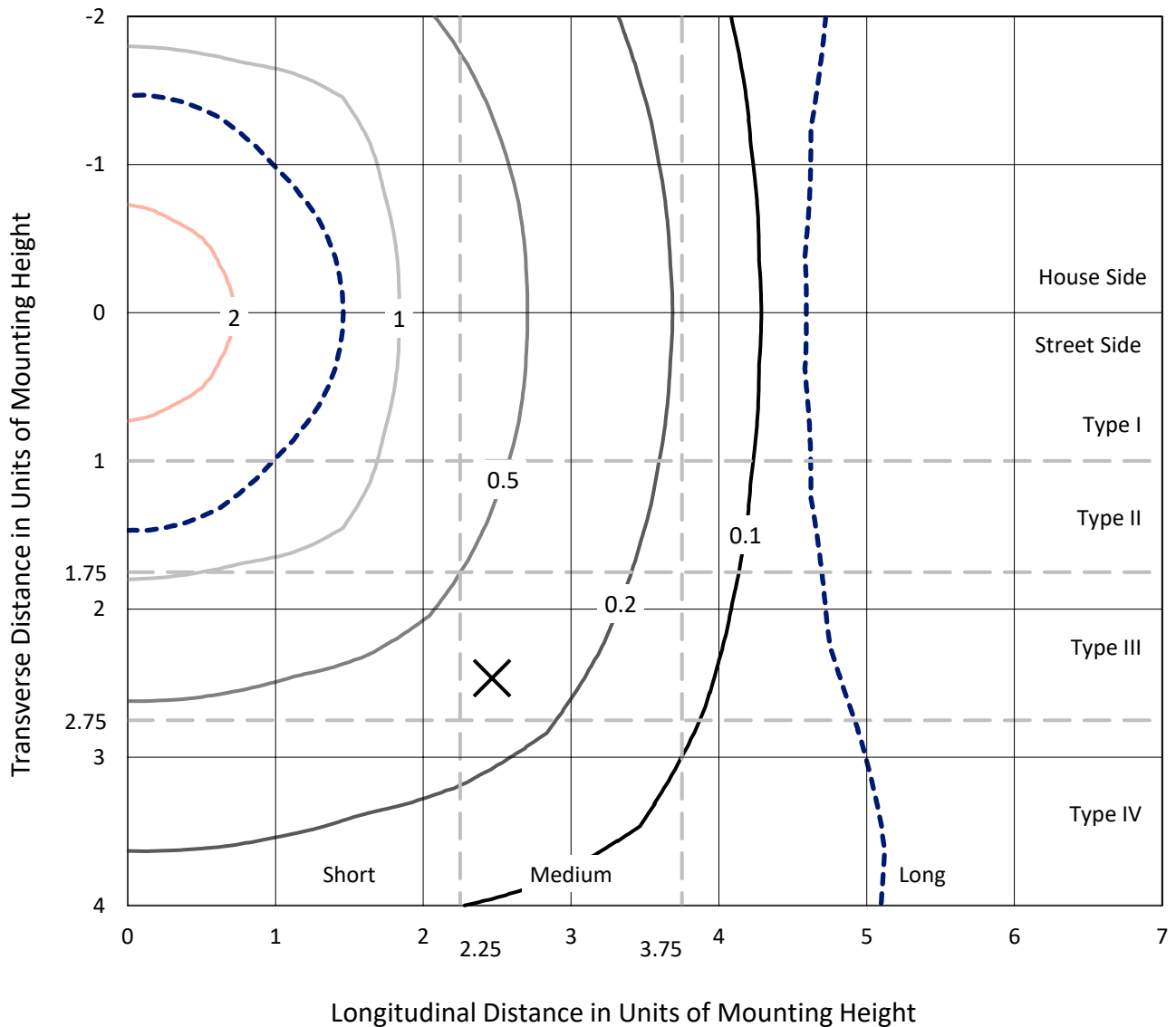
Input Watts (W): 48.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

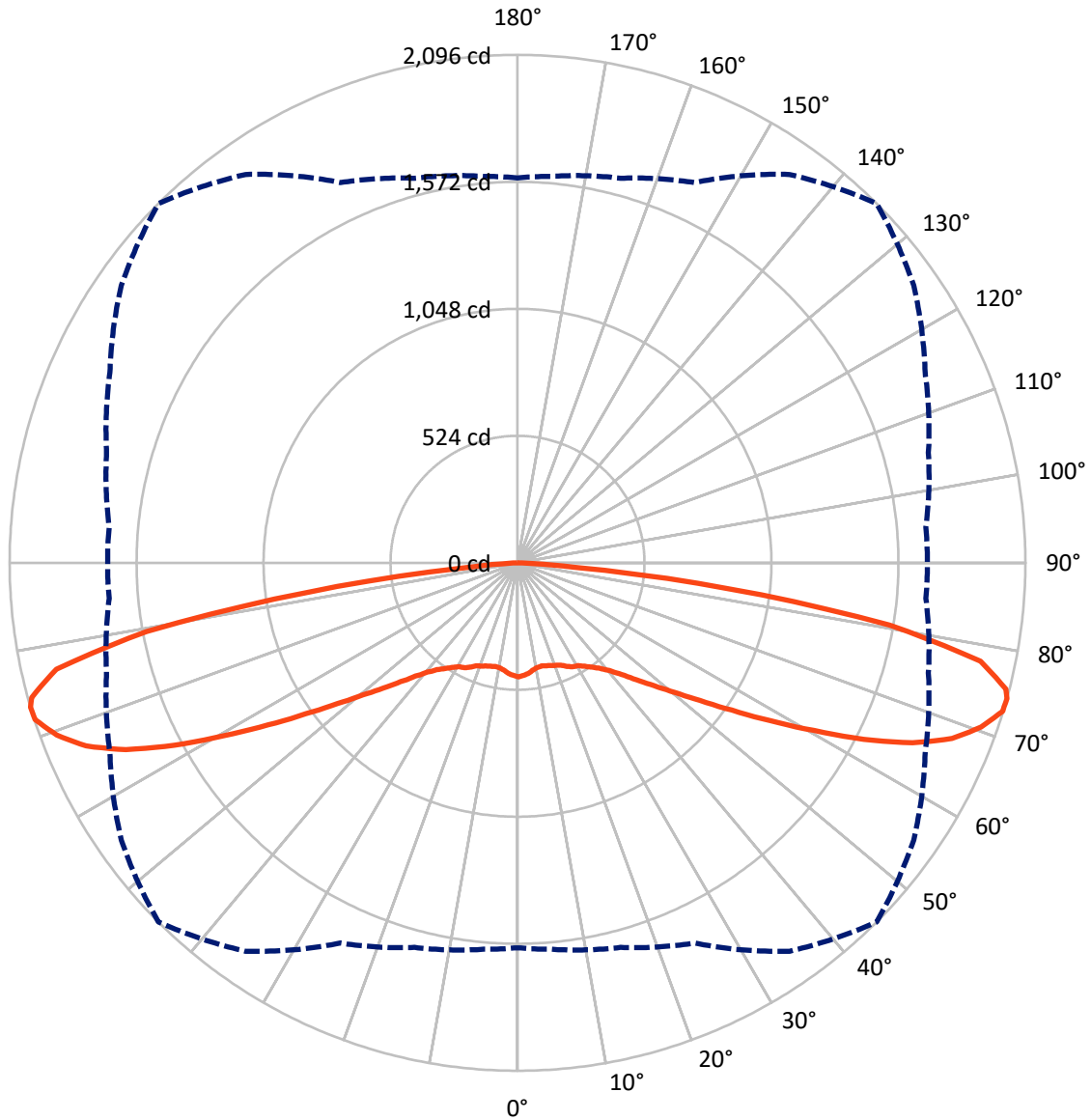
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 3.3 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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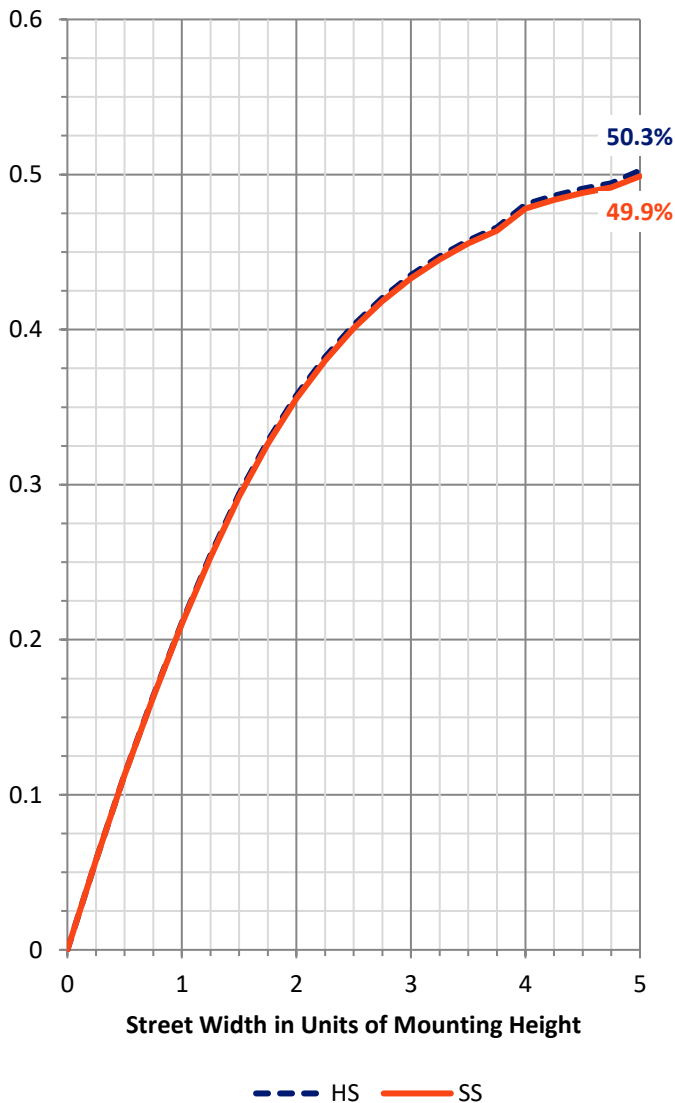
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2853.0	0.0	2853.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2853.0	0.0	2853.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5706.0	0.0	5706.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	0.8
10°-20°	126.4	2.2
20°-30°	218.3	3.8
30°-40°	334.4	5.9
40°-50°	544.0	9.5
50°-60°	943.4	16.5
60°-70°	1562.3	27.4
70°-80°	1690.4	29.6
80°-90°	243.6	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°	5706.0	100.0
0°-180°	5706.0	100.0

Coefficient of Utilization



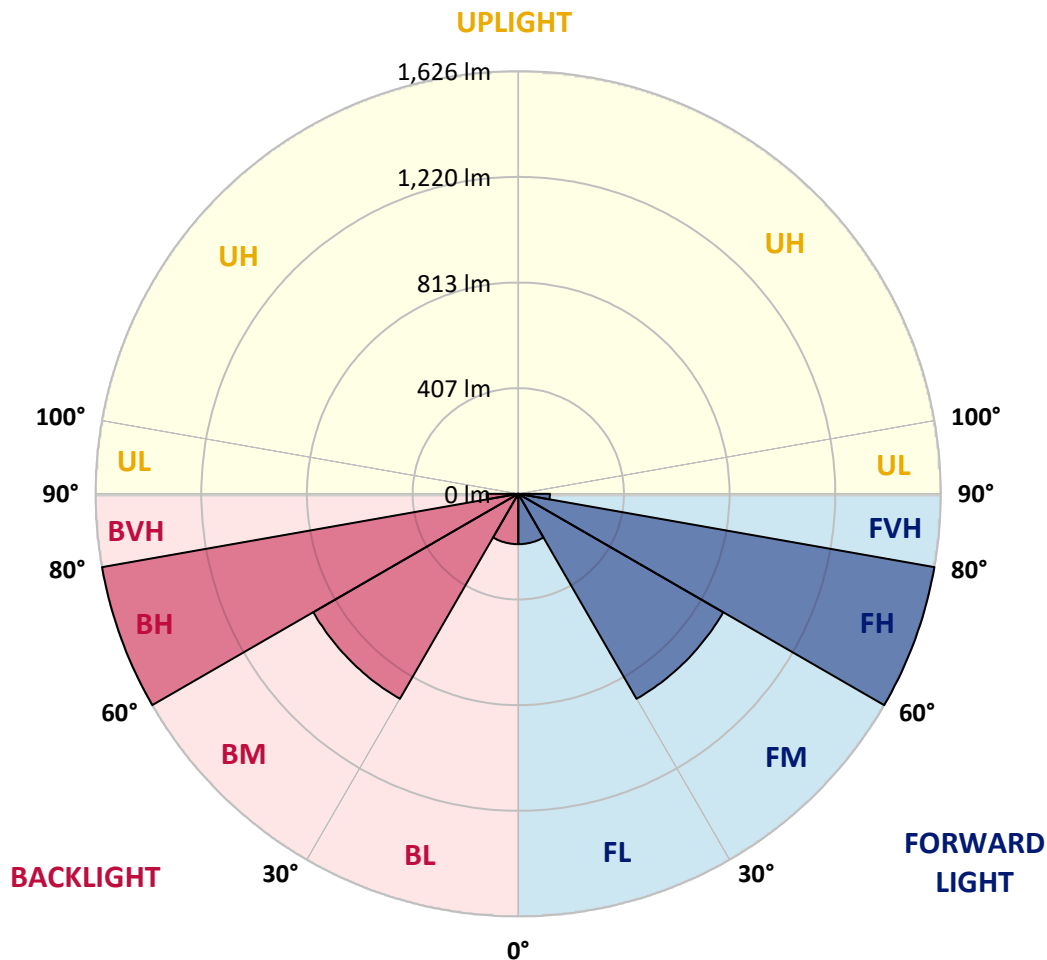
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.9	3.4			
FM (30°-60°)	910.9	16.0			
FH (60°-80°)	1626.4	28.5			G1/1800
FVH (80°-90°)	121.8	2.1			G2/225
BL (0°-30°)	193.9	3.4	B1/500		
BM (30°-60°)	910.9	16.0	B1/1000		
BH (60°-80°)	1626.4	28.5	B3/2500		G1/1800
BVH (80°-90°)	121.8	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°	470.7	470.7	470.7	470.7	470.7	470.7	470.7	470.7	470.7	470.7	470.7
2.5°	463.9	465.3	465.3	463.9	465.3	465.3	465.3	466.7	465.3	468.0	466.7
5°	457.2	457.2	458.5	457.2	457.2	458.5	457.2	459.9	458.5	461.2	458.5
7.5°	446.3	446.3	446.3	446.3	447.7	447.7	447.7	450.4	450.4	450.4	449.0
10°	443.6	442.2	442.2	439.5	439.5	439.5	438.2	442.2	443.6	446.3	445.0
12.5°	445.0	445.0	442.2	439.5	438.2	436.8	436.8	440.9	445.0	446.3	446.3
15°	450.4	450.4	446.3	440.9	440.9	440.9	439.5	440.9	447.7	450.4	447.7
17.5°	454.4	453.1	449.0	446.3	446.3	445.0	445.0	445.0	449.0	453.1	453.1
20°	461.2	461.2	455.8	453.1	453.1	451.7	450.4	449.0	453.1	458.5	457.2
22.5°	470.7	468.0	463.9	461.2	459.9	458.5	455.8	457.2	459.9	463.9	463.9
25°	477.5	477.5	473.4	472.1	473.4	473.4	469.4	466.7	468.0	472.1	472.1
27.5°	480.2	480.2	477.5	477.5	482.9	485.6	480.2	474.8	472.1	476.2	474.8
30°	491.1	491.1	488.4	487.0	491.1	492.4	489.7	485.6	484.3	488.4	487.0
32.5°	510.1	508.7	504.6	500.6	501.9	508.7	503.3	501.9	501.9	506.0	507.4
35°	531.8	529.1	525.0	520.9	522.3	529.1	523.6	523.6	525.0	530.4	530.4
37.5°	563.0	560.3	554.8	545.3	544.0	552.1	550.8	552.1	557.5	560.3	563.0
40°	596.9	595.5	588.7	580.6	579.3	584.7	586.0	588.7	594.2	596.9	598.2
42.5°	645.7	643.0	632.2	624.0	622.7	629.4	632.2	634.9	641.7	644.4	647.1
45°	705.4	704.1	691.8	682.4	678.3	687.8	687.8	690.5	697.3	702.7	702.7
47.5°	770.5	769.2	759.7	748.8	750.2	757.0	755.6	757.0	762.4	767.8	771.9
50°	843.8	839.7	828.9	826.1	832.9	839.7	834.3	832.9	841.1	843.8	842.4
52.5°	923.8	919.7	914.3	914.3	930.6	942.8	938.7	926.5	926.5	925.2	923.8
55°	1018.8	1016.1	1014.7	1021.5	1048.6	1073.0	1058.1	1035.1	1025.6	1020.1	1022.8
57.5°	1117.8	1111.0	1123.2	1138.2	1192.4	1227.7	1204.6	1161.2	1147.7	1136.8	1131.4
60°	1218.2	1215.5	1233.1	1268.4	1345.7	1405.4	1374.2	1302.3	1277.9	1253.5	1253.5
62.5°	1315.9	1313.2	1338.9	1393.2	1515.3	1603.5	1546.5	1455.6	1408.1	1371.5	1366.1
65°	1433.9	1429.8	1458.3	1516.6	1679.4	1790.7	1718.8	1599.4	1542.4	1492.2	1485.4
67.5°	1530.2	1530.2	1568.2	1640.1	1817.8	1934.5	1844.9	1741.8	1675.4	1623.8	1618.4
70°	1622.4	1630.6	1659.1	1729.6	1923.6	2029.4	1948.0	1855.8	1796.1	1744.5	1739.1
72.5°	1661.8	1672.6	1701.1	1770.3	1969.7	2093.2	1998.2	1892.4	1828.6	1777.1	1770.3
74°	1588.5	1600.7	1642.8	1731.0	1956.2	2095.9	1995.5	1855.8	1755.4	1691.6	1691.6
75°	1505.8	1522.1	1572.3	1667.2	1927.7	2081.0	1967.0	1797.4	1657.7	1583.1	1587.2
77.5°	1161.2	1196.5	1250.7	1400.0	1729.6	1953.4	1748.6	1442.0	1218.2	1107.0	1104.2
80°	331.0	379.8	503.3	835.6	1314.5	1556.0	1284.7	853.3	602.3	458.5	440.9
82.5°	80.0	93.6	128.9	236.0	561.6	879.1	636.2	279.5	168.2	109.9	88.2
85°	33.9	36.6	58.3	81.4	154.6	233.3	147.9	95.0	69.2	31.2	29.8
87.5°	12.2	13.6	21.7	21.7	32.6	19.0	33.9	23.1	24.4	8.1	8.1
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)