

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: P595171

Luminaire Tested: **IST-PA1C-830-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595171
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-830-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 80 CRI, 3000K, 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: 5421 lumens
Efficiency: N/A
Efficacy: 112.2 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

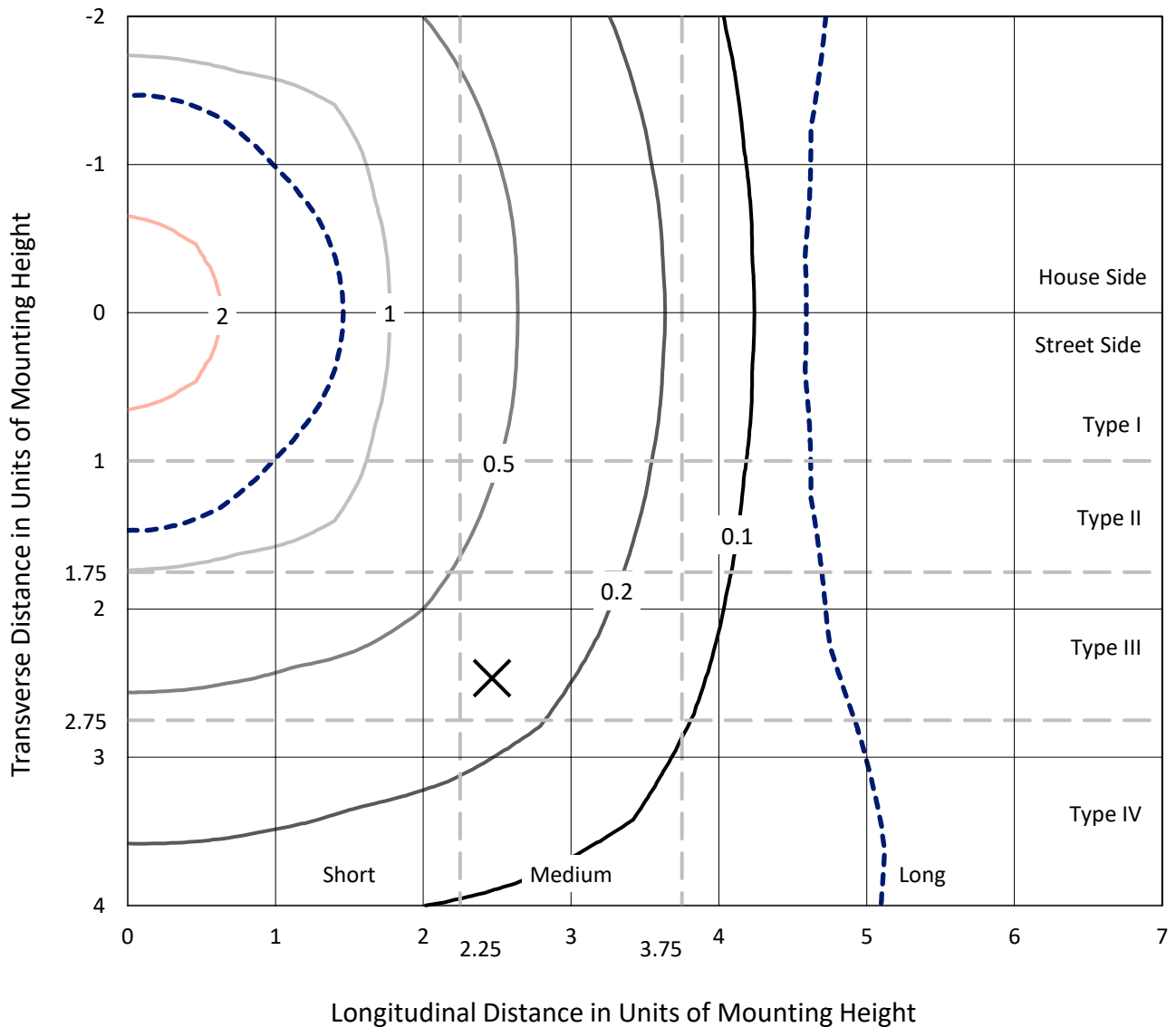




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Iso-Footcandle Lines of Horizontal Illumination

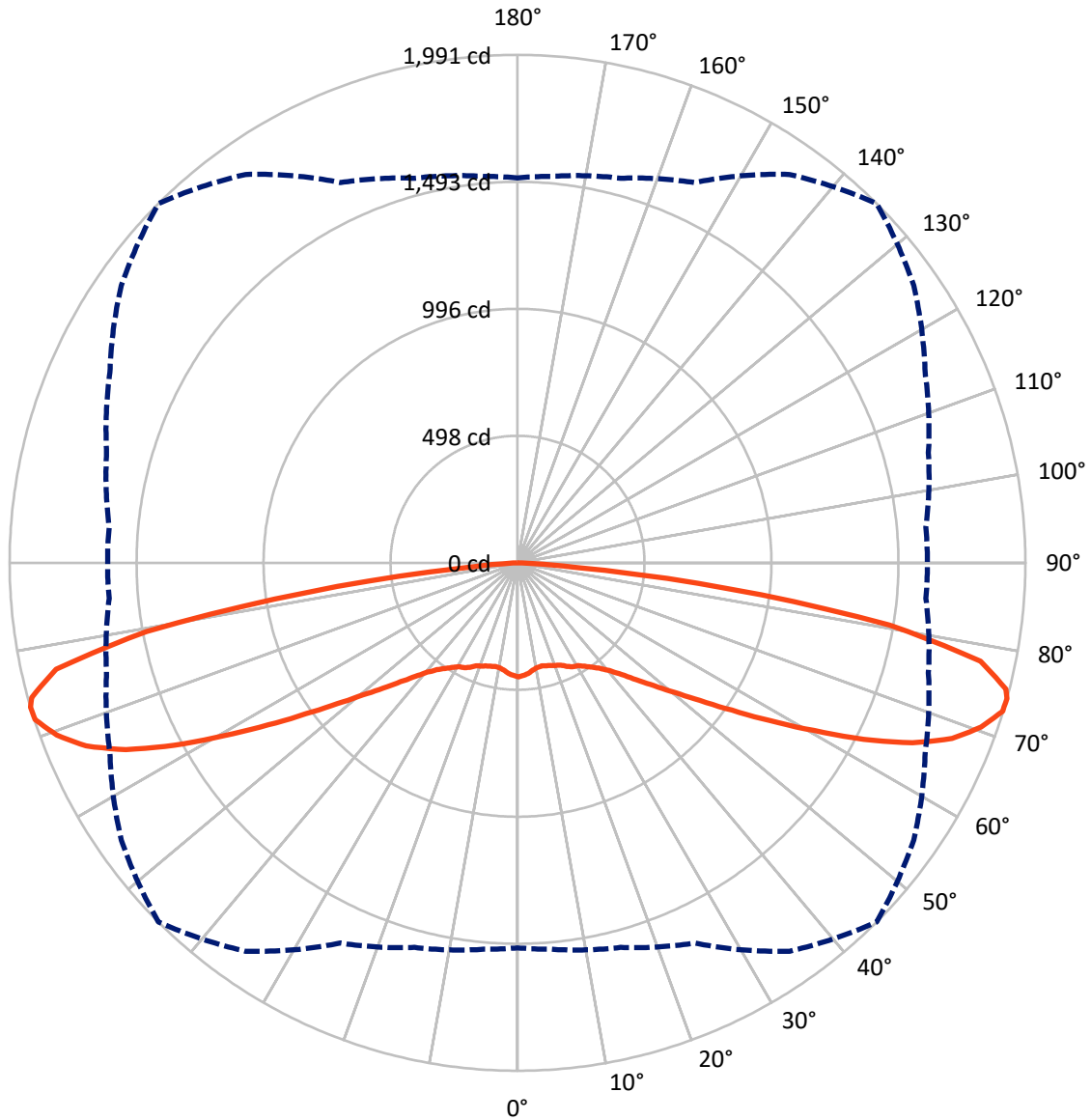
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 3.1 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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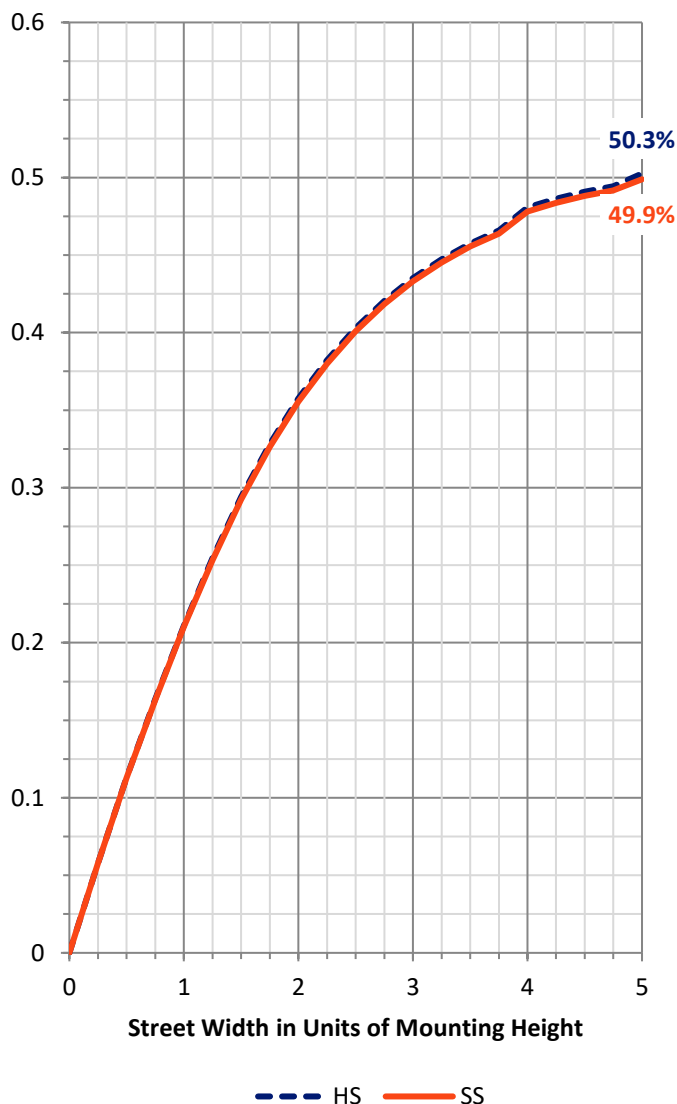
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2710.5	0.0	2710.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2710.5	0.0	2710.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5421.0	0.0	5421.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	0.8
10°-20°	120.1	2.2
20°-30°	207.4	3.8
30°-40°	317.7	5.9
40°-50°	516.8	9.5
50°-60°	896.3	16.5
60°-70°	1484.3	27.4
70°-80°	1606.0	29.6
80°-90°	231.4	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°	5421.0	100.0
0°-180°	5421.0	100.0

Coefficient of Utilization



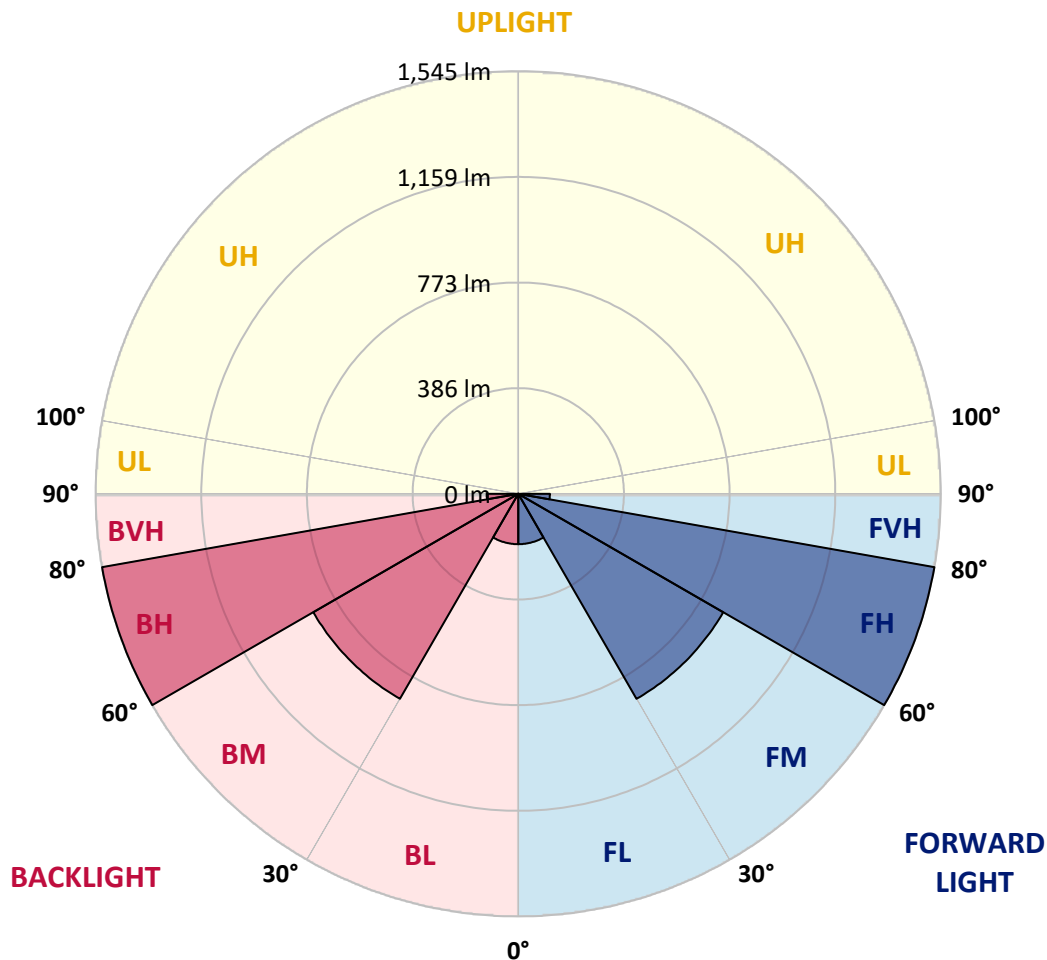
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.3	3.4			
FM (30°-60°)	865.4	16.0			
FH (60°-80°)	1545.2	28.5			G1/1800
FVH (80°-90°)	115.7	2.1			G2/225
BL (0°-30°)	184.3	3.4	B1/500		
BM (30°-60°)	865.4	16.0	B1/1000		
BH (60°-80°)	1545.2	28.5	B3/2500		G1/1800
BVH (80°-90°)	115.7	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°	447.2	447.2	447.2	447.2	447.2	447.2	447.2	447.2	447.2	447.2	447.2
2.5°	440.8	442.1	442.1	440.8	442.1	442.1	442.1	443.3	442.1	444.6	443.3
5°	434.3	434.3	435.6	434.3	434.3	435.6	434.3	436.9	435.6	438.2	435.6
7.5°	424.0	424.0	424.0	424.0	425.3	425.3	425.3	427.9	427.9	427.9	426.6
10°	421.4	420.2	420.2	417.6	417.6	417.6	416.3	420.2	421.4	424.0	422.7
12.5°	422.7	422.7	420.2	417.6	416.3	415.0	415.0	418.9	422.7	424.0	424.0
15°	427.9	427.9	424.0	418.9	418.9	418.9	417.6	418.9	425.3	427.9	425.3
17.5°	431.7	430.5	426.6	424.0	424.0	422.7	422.7	422.7	426.6	430.5	430.5
20°	438.2	438.2	433.0	430.5	430.5	429.2	427.9	426.6	430.5	435.6	434.3
22.5°	447.2	444.6	440.8	438.2	436.9	435.6	433.0	434.3	436.9	440.8	440.8
25°	453.7	453.7	449.8	448.5	449.8	449.8	445.9	443.3	444.6	448.5	448.5
27.5°	456.2	456.2	453.7	453.7	458.8	461.4	456.2	451.1	448.5	452.4	451.1
30°	466.5	466.5	464.0	462.7	466.5	467.8	465.3	461.4	460.1	464.0	462.7
32.5°	484.6	483.3	479.4	475.6	476.9	483.3	478.1	476.9	476.9	480.7	482.0
35°	505.2	502.6	498.8	494.9	496.2	502.6	497.5	497.5	498.8	503.9	503.9
37.5°	534.9	532.3	527.1	518.1	516.8	524.5	523.3	524.5	529.7	532.3	534.9
40°	567.1	565.8	559.3	551.6	550.3	555.5	556.8	559.3	564.5	567.1	568.4
42.5°	613.5	610.9	600.6	592.8	591.6	598.0	600.6	603.2	609.6	612.2	614.8
45°	670.2	668.9	657.3	648.3	644.4	653.4	653.4	656.0	662.4	667.6	667.6
47.5°	732.0	730.8	721.7	711.4	712.7	719.2	717.9	719.2	724.3	729.5	733.3
50°	801.6	797.8	787.5	784.9	791.3	797.8	792.6	791.3	799.1	801.6	800.3
52.5°	877.7	873.8	868.7	868.7	884.1	895.7	891.9	880.3	880.3	879.0	877.7
55°	967.9	965.3	964.0	970.5	996.2	1019.4	1005.3	983.4	974.3	969.2	971.8
57.5°	1062.0	1055.5	1067.1	1081.3	1132.9	1166.4	1144.5	1103.2	1090.3	1080.0	1074.9
60°	1157.3	1154.8	1171.5	1205.0	1278.5	1335.2	1305.6	1237.3	1214.1	1190.9	1190.9
62.5°	1250.1	1247.6	1272.0	1323.6	1439.6	1523.4	1469.2	1382.9	1337.8	1303.0	1297.8
65°	1362.3	1358.4	1385.5	1440.9	1595.5	1701.2	1632.9	1519.5	1465.4	1417.7	1411.2
67.5°	1453.8	1453.8	1489.9	1558.2	1727.0	1837.8	1752.8	1654.8	1591.7	1542.7	1537.5
70°	1541.4	1549.1	1576.2	1643.2	1827.5	1928.1	1850.7	1763.1	1706.4	1657.4	1652.2
72.5°	1578.8	1589.1	1616.2	1681.9	1871.3	1988.6	1898.4	1797.9	1737.3	1688.3	1681.9
74°	1509.2	1520.8	1560.7	1644.5	1858.5	1991.2	1895.8	1763.1	1667.7	1607.1	1607.1
75°	1430.6	1446.0	1493.7	1583.9	1831.4	1977.0	1868.8	1707.7	1574.9	1504.0	1507.9
77.5°	1103.2	1136.7	1188.3	1330.0	1643.2	1855.9	1661.3	1370.0	1157.3	1051.7	1049.1
80°	314.5	360.9	478.1	793.9	1248.9	1478.3	1220.5	810.7	572.2	435.6	418.9
82.5°	76.0	88.9	122.4	224.3	533.6	835.1	604.4	265.5	159.8	104.4	83.8
85°	32.2	34.8	55.4	77.3	146.9	221.7	140.5	90.2	65.7	29.6	28.4
87.5°	11.6	12.9	20.6	20.6	30.9	18.0	32.2	21.9	23.2	7.7	7.7
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)