

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: P595117

Luminaire Tested: **IST-PA1C-730-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595117
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-730-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 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: 6213 lumens
Efficiency: N/A
Efficacy: 128.6 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

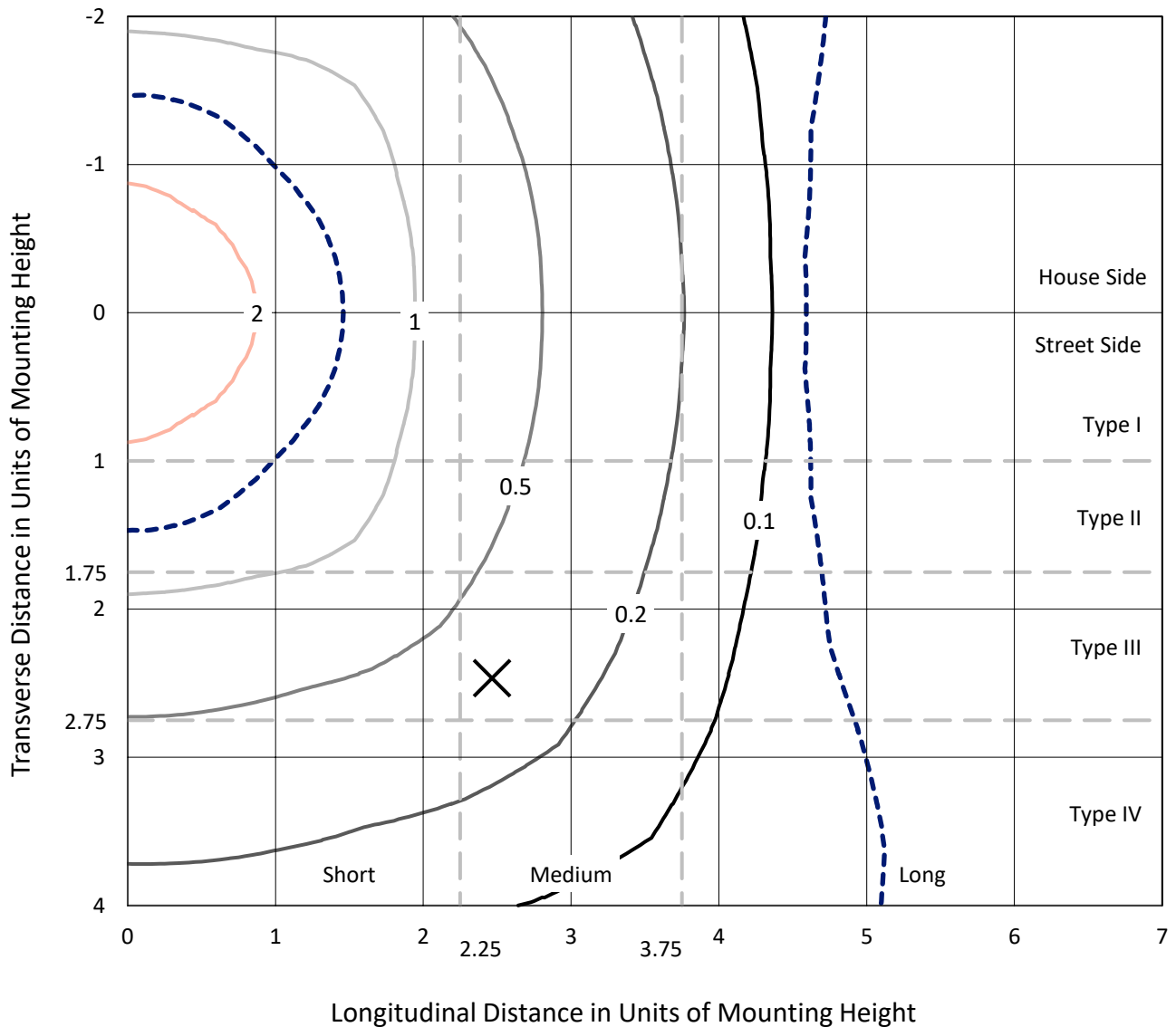
Input Watts (W): 48.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

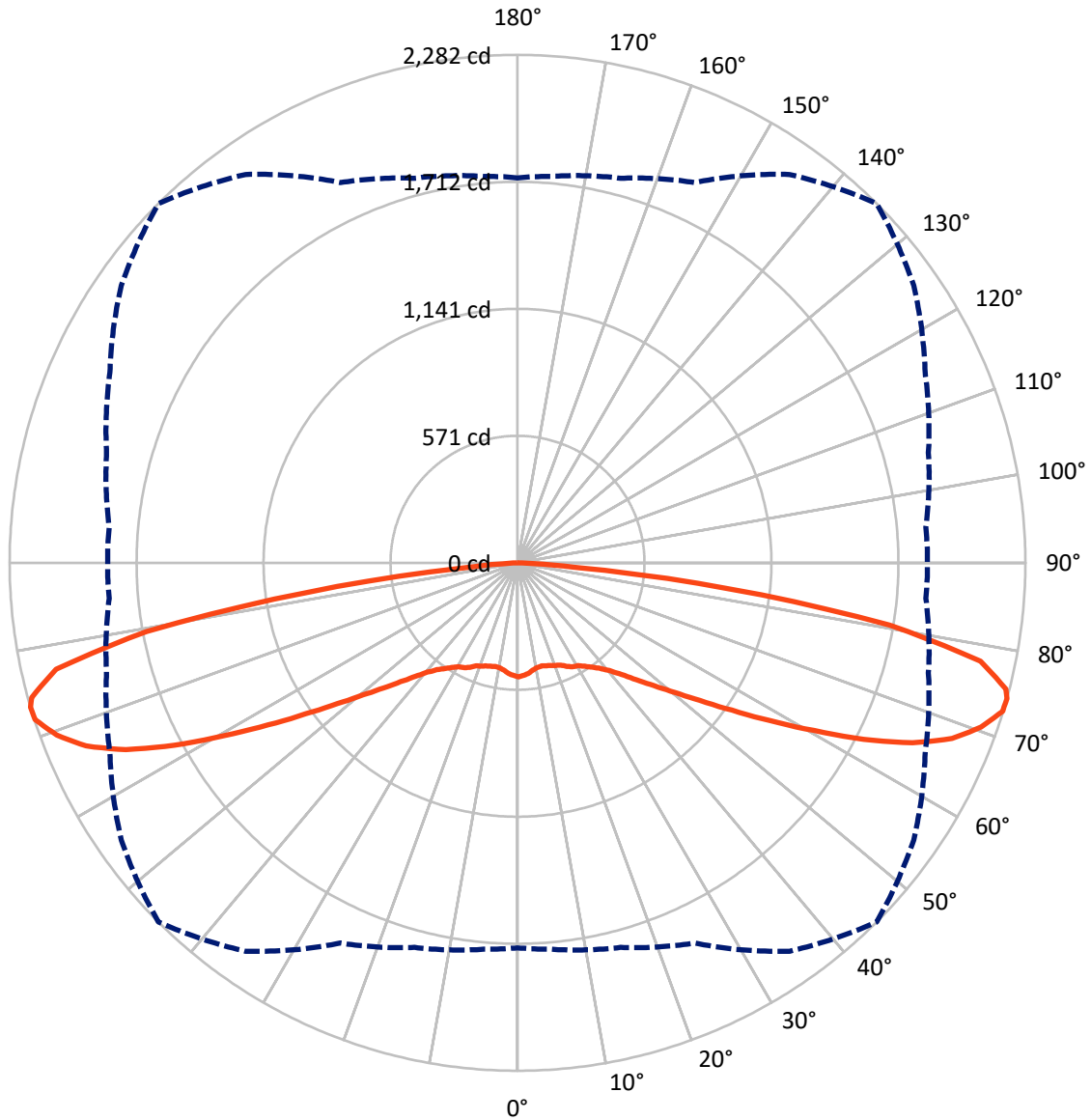
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 3.6 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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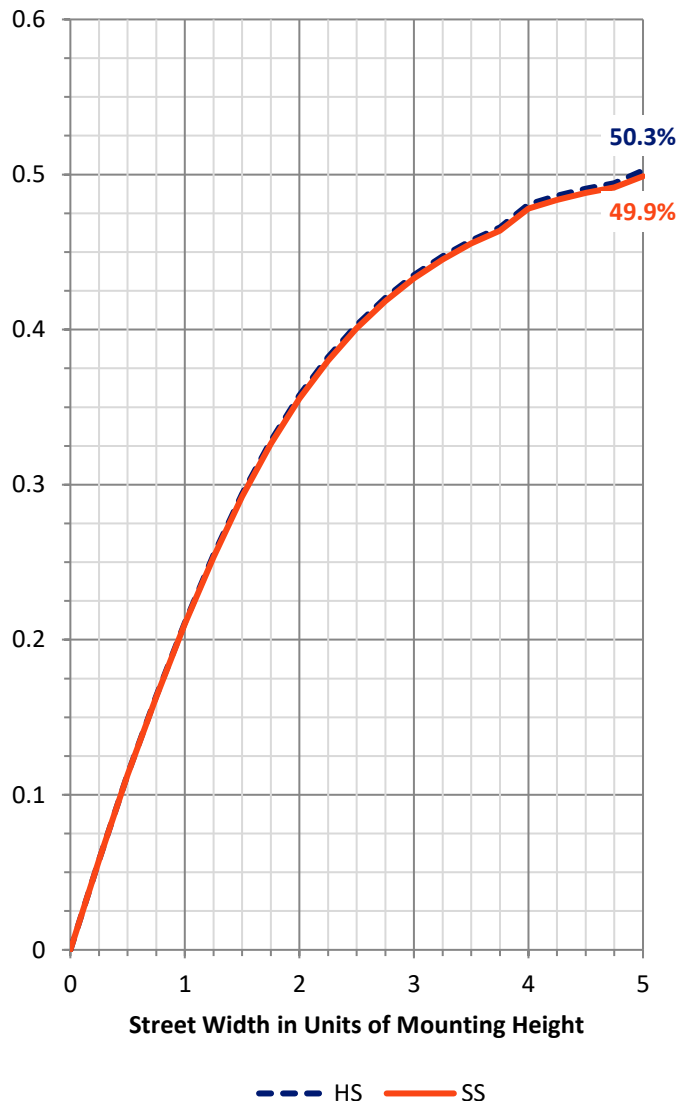
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3106.5	0.0	3106.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3106.5	0.0	3106.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6213.0	0.0	6213.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	0.8
10°-20°	137.6	2.2
20°-30°	237.7	3.8
30°-40°	364.1	5.9
40°-50°	592.3	9.5
50°-60°	1027.2	16.5
60°-70°	1701.2	27.4
70°-80°	1840.6	29.6
80°-90°	265.3	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°	6213.0	100.0
0°-180°	6213.0	100.0

Coefficient of Utilization

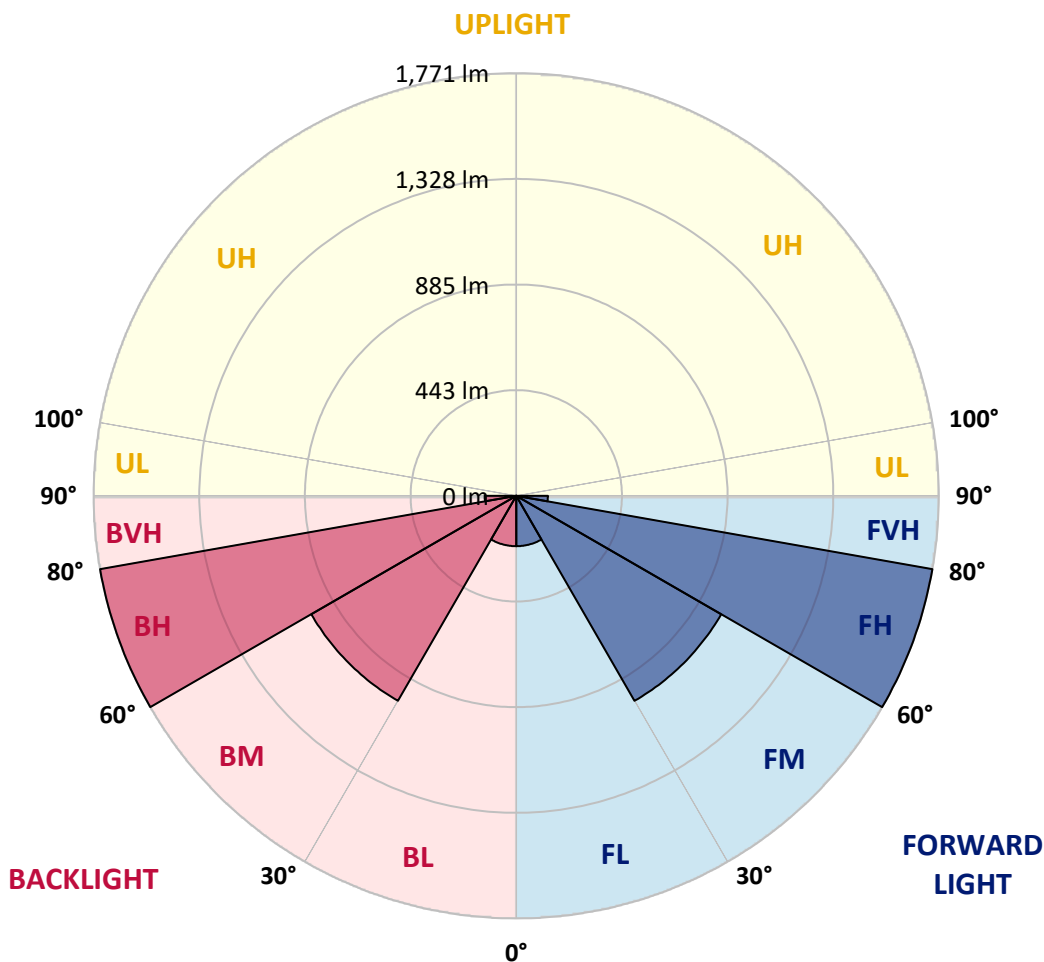


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.2	3.4			
FM (30°-60°)	991.8	16.0			
FH (60°-80°)	1770.9	28.5			G1/1800
FVH (80°-90°)	132.6	2.1			G2/225
BL (0°-30°)	211.2	3.4	B1/500		
BM (30°-60°)	991.8	16.0	B1/1000		
BH (60°-80°)	1770.9	28.5	B3/2500		G1/1800
BVH (80°-90°)	132.6	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°	512.6	512.6	512.6	512.6	512.6	512.6	512.6	512.6	512.6	512.6	512.6
2.5°	505.2	506.6	506.6	505.2	506.6	506.6	506.6	508.1	506.6	509.6	508.1
5°	497.8	497.8	499.3	497.8	497.8	497.8	497.8	500.7	499.3	502.2	499.3
7.5°	486.0	486.0	486.0	486.0	487.4	487.4	487.4	490.4	490.4	490.4	488.9
10°	483.0	481.5	481.5	478.6	478.6	478.6	477.1	481.5	483.0	486.0	484.5
12.5°	484.5	484.5	481.5	478.6	477.1	475.6	475.6	480.1	484.5	486.0	486.0
15°	490.4	490.4	486.0	480.1	480.1	480.1	478.6	480.1	487.4	490.4	487.4
17.5°	494.8	493.4	488.9	486.0	486.0	484.5	484.5	484.5	488.9	493.4	493.4
20°	502.2	502.2	496.3	493.4	493.4	491.9	490.4	488.9	493.4	499.3	497.8
22.5°	512.6	509.6	505.2	502.2	500.7	499.3	496.3	497.8	500.7	505.2	505.2
25°	519.9	519.9	515.5	514.0	515.5	515.5	511.1	508.1	509.6	514.0	514.0
27.5°	522.9	522.9	519.9	519.9	525.8	528.8	522.9	517.0	514.0	518.5	517.0
30°	534.7	534.7	531.8	530.3	534.7	536.2	533.2	528.8	527.3	531.8	530.3
32.5°	555.4	553.9	549.5	545.0	546.5	553.9	548.0	546.5	546.5	551.0	552.4
35°	579.0	576.1	571.6	567.2	568.7	576.1	570.2	570.2	571.6	577.5	577.5
37.5°	613.0	610.0	604.1	593.8	592.3	601.2	599.7	601.2	607.1	610.0	613.0
40°	649.9	648.4	641.1	632.2	630.7	636.6	638.1	641.1	647.0	649.9	651.4
42.5°	703.1	700.1	688.3	679.5	678.0	685.4	688.3	691.3	698.7	701.6	704.6
45°	768.1	766.6	753.3	743.0	738.5	748.9	748.9	751.8	759.2	765.1	765.1
47.5°	839.0	837.5	827.2	815.4	816.8	824.2	822.7	824.2	830.1	836.0	840.5
50°	918.8	914.3	902.5	899.6	906.9	914.3	908.4	906.9	915.8	918.8	917.3
52.5°	1005.9	1001.5	995.6	995.6	1013.3	1026.6	1022.2	1008.9	1008.9	1007.4	1005.9
55°	1109.3	1106.3	1104.9	1112.3	1141.8	1168.4	1152.1	1127.0	1116.7	1110.8	1113.7
57.5°	1217.1	1209.7	1223.0	1239.3	1298.4	1336.8	1311.7	1264.4	1249.6	1237.8	1231.9
60°	1326.4	1323.5	1342.7	1381.1	1465.3	1530.3	1496.3	1418.0	1391.4	1364.8	1364.8
62.5°	1432.8	1429.8	1457.9	1517.0	1649.9	1745.9	1683.9	1584.9	1533.2	1493.3	1487.4
65°	1561.3	1556.9	1587.9	1651.4	1828.6	1949.8	1871.5	1741.5	1679.5	1624.8	1617.4
67.5°	1666.2	1666.2	1707.5	1785.8	1979.3	2106.3	2008.9	1896.6	1824.2	1768.1	1762.2
70°	1766.6	1775.5	1806.5	1883.3	2094.5	2209.7	2121.1	2020.7	1955.7	1899.5	1893.6
72.5°	1809.4	1821.3	1852.3	1927.6	2144.7	2279.2	2175.8	2060.5	1991.1	1935.0	1927.6
74°	1729.7	1743.0	1788.8	1884.8	2130.0	2282.1	2172.8	2020.7	1911.4	1841.9	1841.9
75°	1639.6	1657.3	1712.0	1815.4	2099.0	2265.9	2141.8	1957.2	1805.0	1723.8	1728.2
77.5°	1264.4	1302.8	1361.9	1524.4	1883.3	2127.0	1904.0	1570.2	1326.4	1205.3	1202.4
80°	360.4	413.6	548.0	909.9	1431.3	1694.2	1398.8	929.1	655.8	499.3	480.1
82.5°	87.1	101.9	140.3	257.0	611.5	957.2	692.8	304.3	183.2	119.6	96.0
85°	36.9	39.9	63.5	88.6	168.4	254.1	161.0	103.4	75.3	34.0	32.5
87.5°	13.3	14.8	23.6	23.6	35.5	20.7	36.9	25.1	26.6	8.9	8.9
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)