

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: P595198

Luminaire Tested: **IST-PA1D-730-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595198
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-730-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3000K, 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: 7733 lumens
Efficiency: N/A
Efficacy: 123.9 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

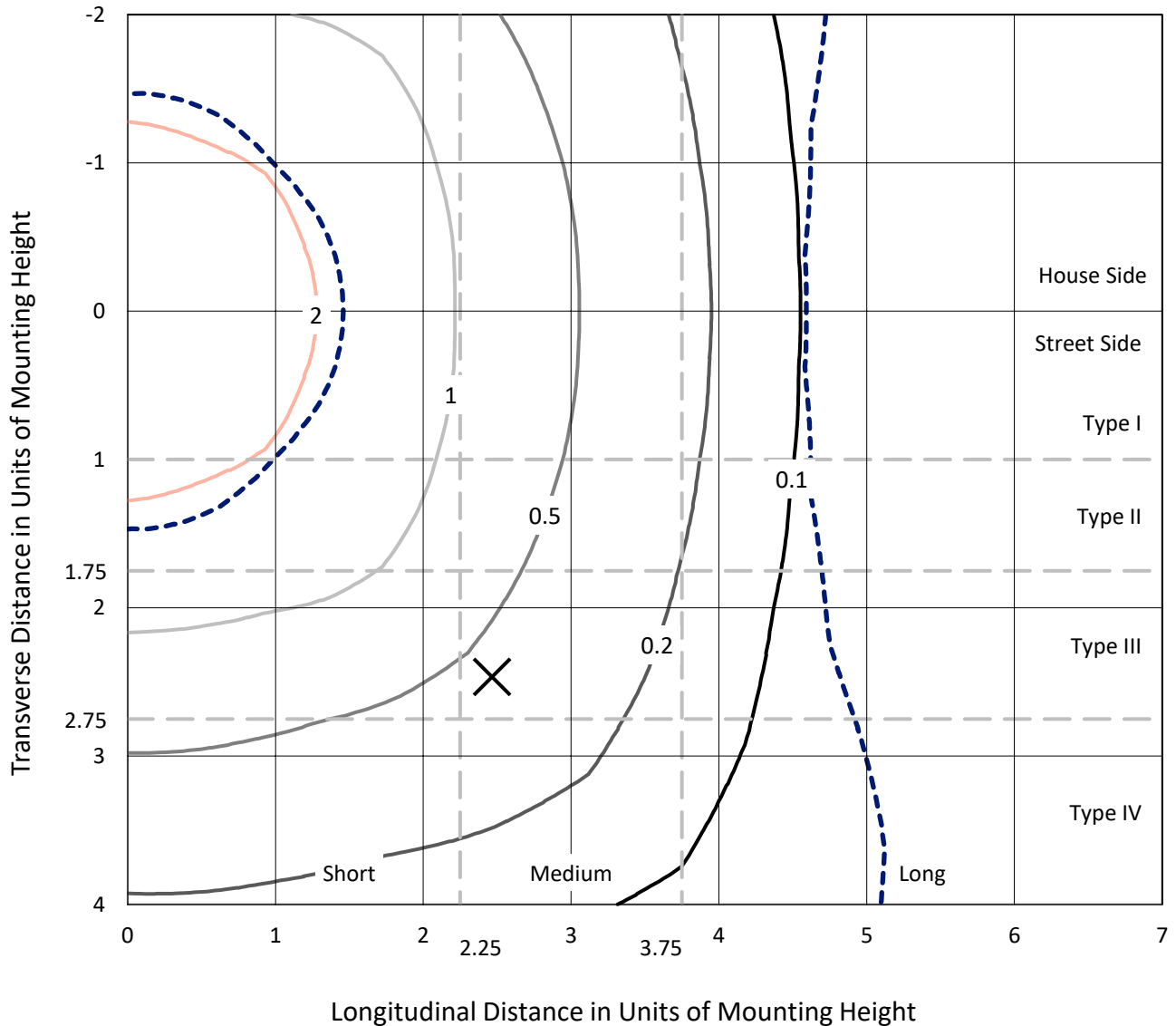
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

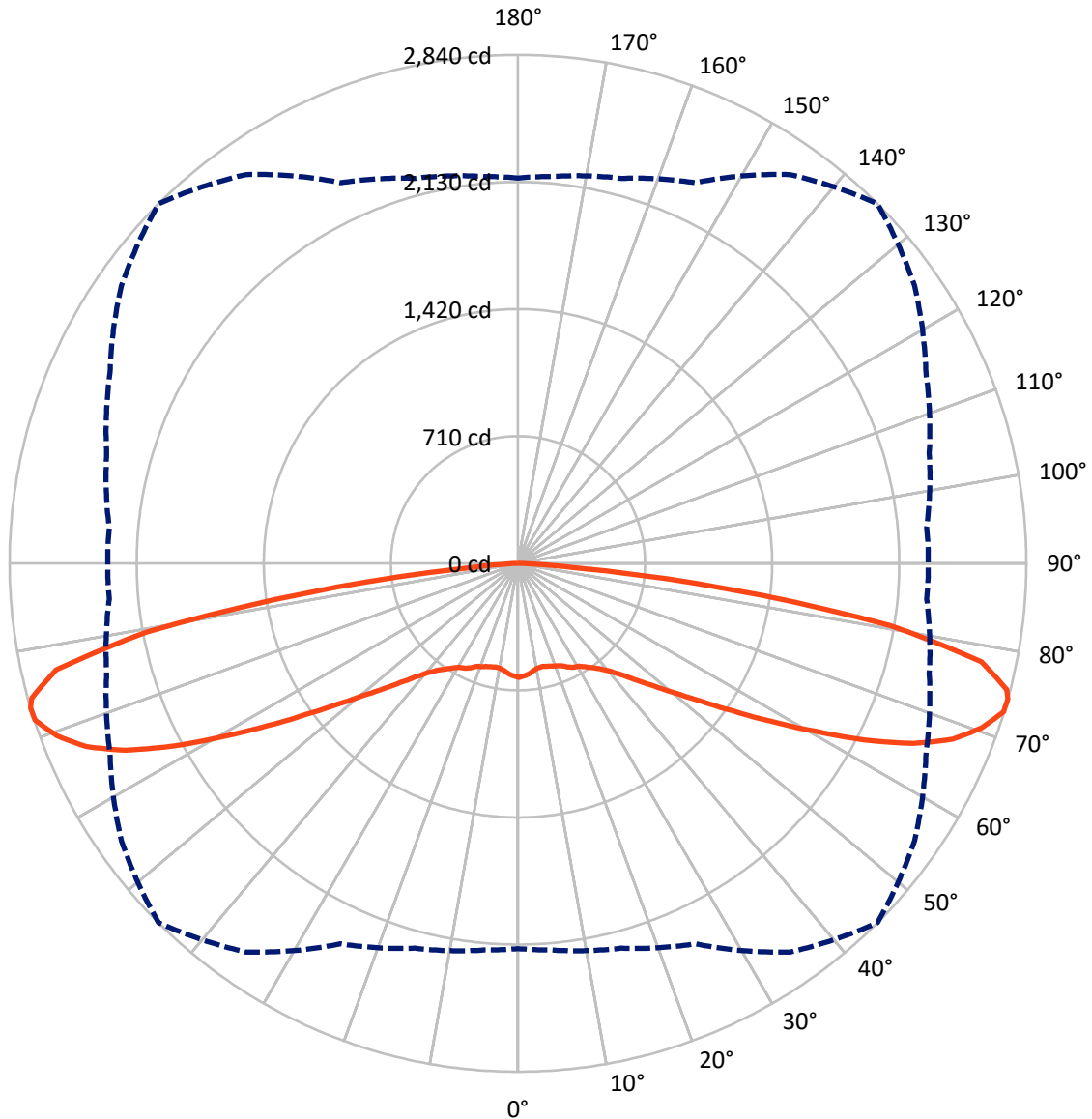
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 4.4 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	3866.5	0.0	3866.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3866.5	0.0	3866.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7733.0	0.0	7733.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	0.8
10°-20°	171.3	2.2
20°-30°	295.9	3.8
30°-40°	453.2	5.9
40°-50°	737.2	9.5
50°-60°	1278.5	16.5
60°-70°	2117.3	27.4
70°-80°	2290.9	29.6
80°-90°	330.2	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°	7733.0	100.0
0°-180°	7733.0	100.0

Coefficient of Utilization



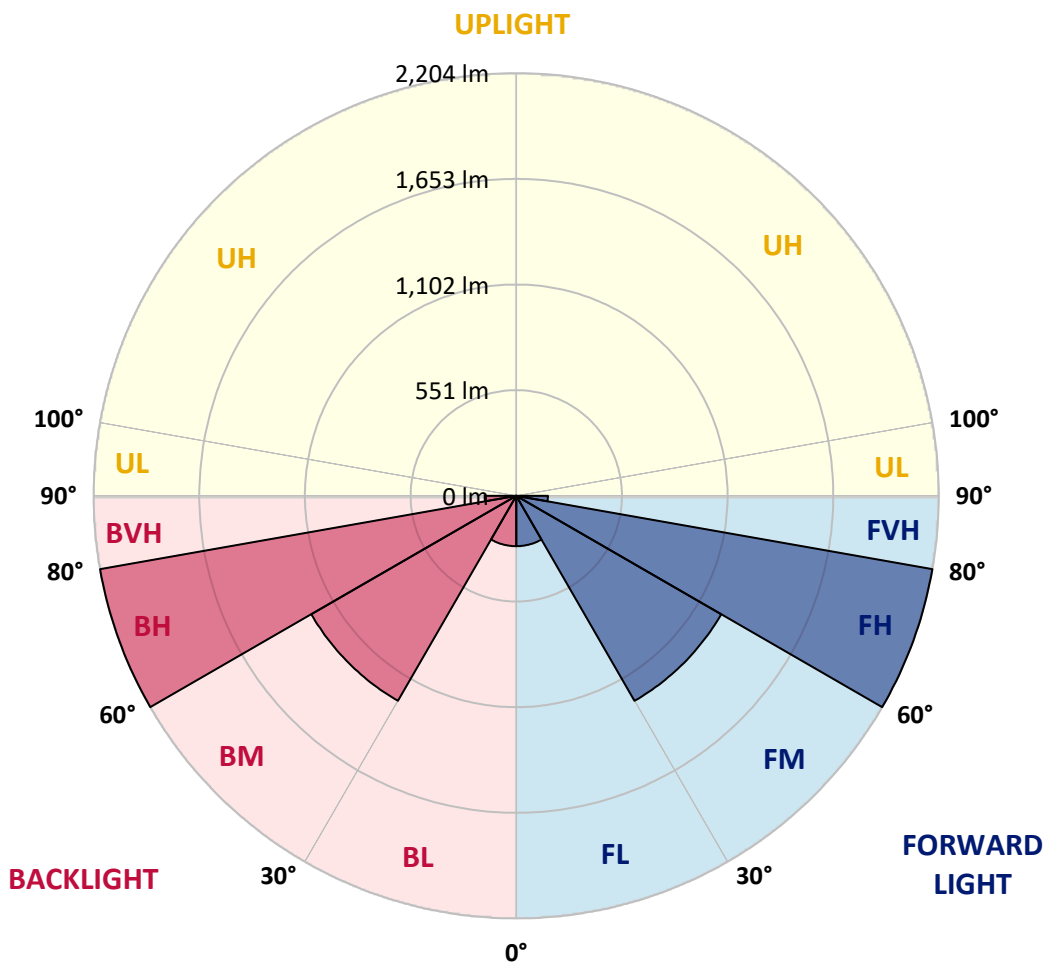
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.8	3.4			
FM (30°-60°)	1234.4	16.0			
FH (60°-80°)	2204.1	28.5			G2/5000
FVH (80°-90°)	165.1	2.1			G2/225
BL (0°-30°)	262.8	3.4	B1/500		
BM (30°-60°)	1234.4	16.0	B2/2500		
BH (60°-80°)	2204.1	28.5	B3/2500		G2/5000
BVH (80°-90°)	165.1	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°	637.9	637.9	637.9	637.9	637.9	637.9	637.9	637.9	637.9	637.9	637.9
2.5°	628.8	630.6	630.6	628.8	630.6	630.6	630.6	632.4	630.6	634.3	632.4
5°	619.6	619.6	621.4	619.6	619.6	621.4	619.6	623.2	621.4	625.1	621.4
7.5°	604.9	604.9	604.9	604.9	606.7	606.7	606.7	610.4	610.4	610.4	608.5
10°	601.2	599.3	599.3	595.7	595.7	595.7	593.8	599.3	601.2	604.9	603.0
12.5°	603.0	603.0	599.3	595.7	593.8	592.0	592.0	597.5	603.0	604.9	604.9
15°	610.4	610.4	604.9	597.5	597.5	597.5	595.7	597.5	606.7	610.4	606.7
17.5°	615.9	614.0	608.5	604.9	604.9	603.0	603.0	603.0	608.5	614.0	614.0
20°	625.1	625.1	617.7	614.0	614.0	612.2	610.4	608.5	614.0	621.4	619.6
22.5°	637.9	634.3	628.8	625.1	623.2	621.4	617.7	619.6	623.2	628.8	628.8
25°	647.1	647.1	641.6	639.8	641.6	641.6	636.1	632.4	634.3	639.8	639.8
27.5°	650.8	650.8	647.1	647.1	654.5	658.2	650.8	643.5	639.8	645.3	643.5
30°	665.5	665.5	661.8	660.0	665.5	667.4	663.7	658.2	656.3	661.8	660.0
32.5°	691.3	689.4	683.9	678.4	680.2	689.4	682.1	680.2	680.2	685.7	687.6
35°	720.7	717.0	711.5	706.0	707.8	717.0	709.6	709.6	711.5	718.8	718.8
37.5°	763.0	759.3	751.9	739.1	737.2	748.3	746.4	748.3	755.6	759.3	763.0
40°	808.9	807.1	797.9	786.9	785.0	792.4	794.2	797.9	805.2	808.9	810.8
42.5°	875.1	871.4	856.7	845.7	843.9	853.0	856.7	860.4	869.6	873.3	876.9
45°	956.0	954.2	937.6	924.7	919.2	932.1	932.1	935.8	945.0	952.3	952.3
47.5°	1044.2	1042.4	1029.5	1014.8	1016.7	1025.9	1024.0	1025.9	1033.2	1040.6	1046.1
50°	1143.5	1138.0	1123.3	1119.6	1128.8	1138.0	1130.7	1128.8	1139.8	1143.5	1141.7
52.5°	1252.0	1246.5	1239.1	1239.1	1261.2	1277.7	1272.2	1255.7	1255.7	1253.8	1252.0
55°	1380.7	1377.0	1375.2	1384.4	1421.1	1454.2	1434.0	1402.7	1389.9	1382.5	1386.2
57.5°	1514.9	1505.7	1522.2	1542.5	1616.0	1663.8	1632.6	1573.7	1555.3	1540.6	1533.3
60°	1650.9	1647.3	1671.2	1719.0	1823.8	1904.7	1862.4	1764.9	1731.8	1698.7	1698.7
62.5°	1783.3	1779.6	1814.6	1888.1	2053.6	2173.1	2095.9	1972.7	1908.3	1858.7	1851.3
65°	1943.3	1937.7	1976.4	2055.4	2276.0	2426.8	2329.3	2167.6	2090.3	2022.3	2013.1
67.5°	2073.8	2073.8	2125.3	2222.7	2463.5	2621.7	2500.3	2360.6	2270.5	2200.6	2193.3
70°	2198.8	2209.8	2248.4	2344.0	2606.9	2750.3	2640.0	2515.0	2434.1	2364.3	2356.9
72.5°	2252.1	2266.8	2305.4	2399.2	2669.5	2836.8	2708.1	2564.7	2478.3	2408.4	2399.2
74°	2152.8	2169.4	2226.4	2345.9	2651.1	2840.4	2704.4	2515.0	2379.0	2292.6	2292.6
75°	2040.7	2062.8	2130.8	2259.5	2612.5	2820.2	2665.8	2436.0	2246.6	2145.5	2151.0
77.5°	1573.7	1621.5	1695.1	1897.3	2344.0	2647.4	2369.8	1954.3	1650.9	1500.2	1496.5
80°	448.6	514.8	682.1	1132.5	1781.5	2108.7	1741.0	1156.4	816.3	621.4	597.5
82.5°	108.5	126.9	174.7	319.9	761.1	1191.3	862.2	378.7	228.0	148.9	119.5
85°	46.0	49.6	79.1	110.3	209.6	316.2	200.4	128.7	93.8	42.3	40.4
87.5°	16.5	18.4	29.4	29.4	44.1	25.7	46.0	31.3	33.1	11.0	11.0
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)