

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: P595036

Luminaire Tested: **IST-PA1B-730-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595036
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-PA1B-730-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4805 lumens
Efficiency: N/A
Efficacy: 132.0 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): 36.4
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

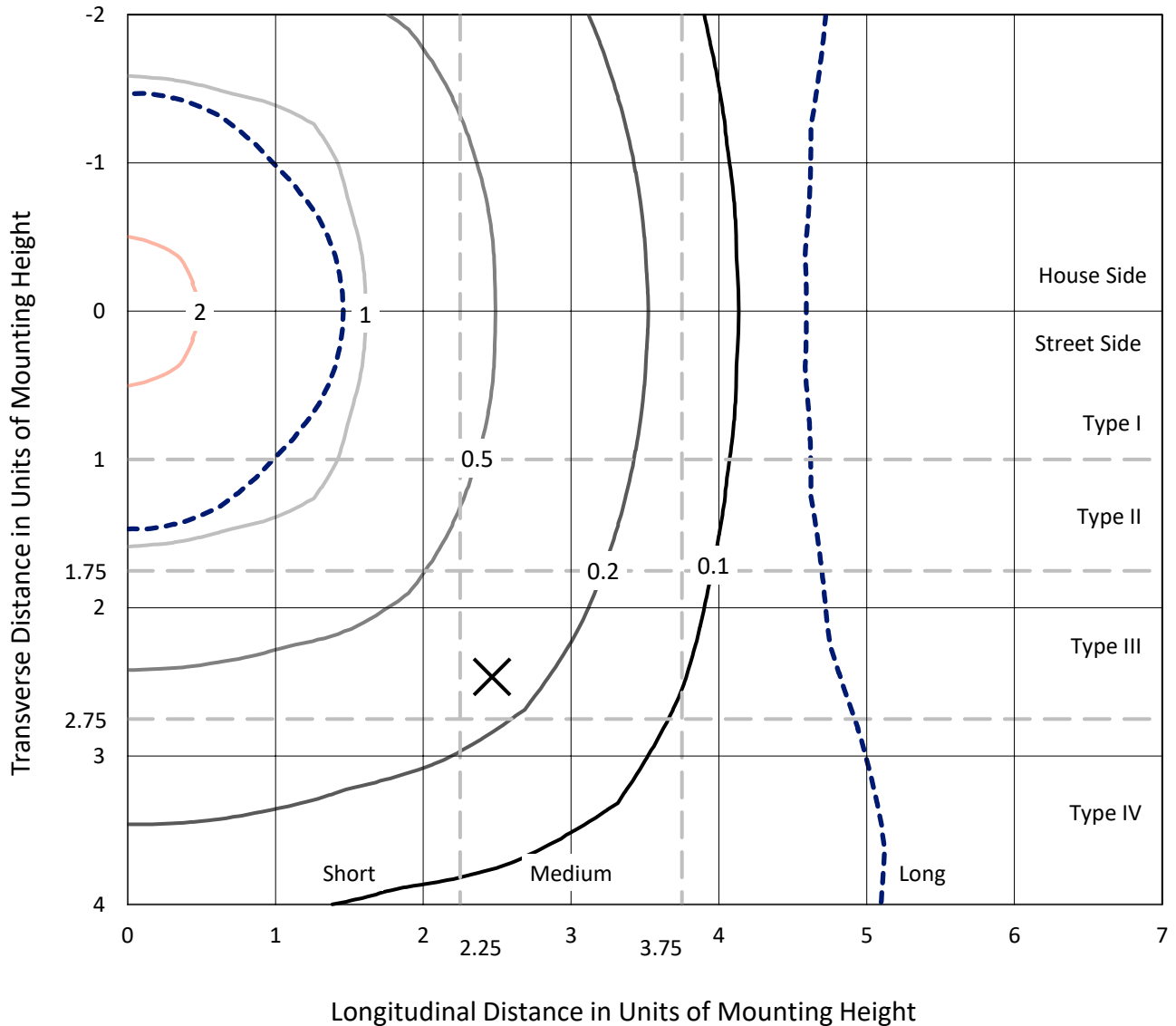




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Iso-Footcandle Lines of Horizontal Illumination

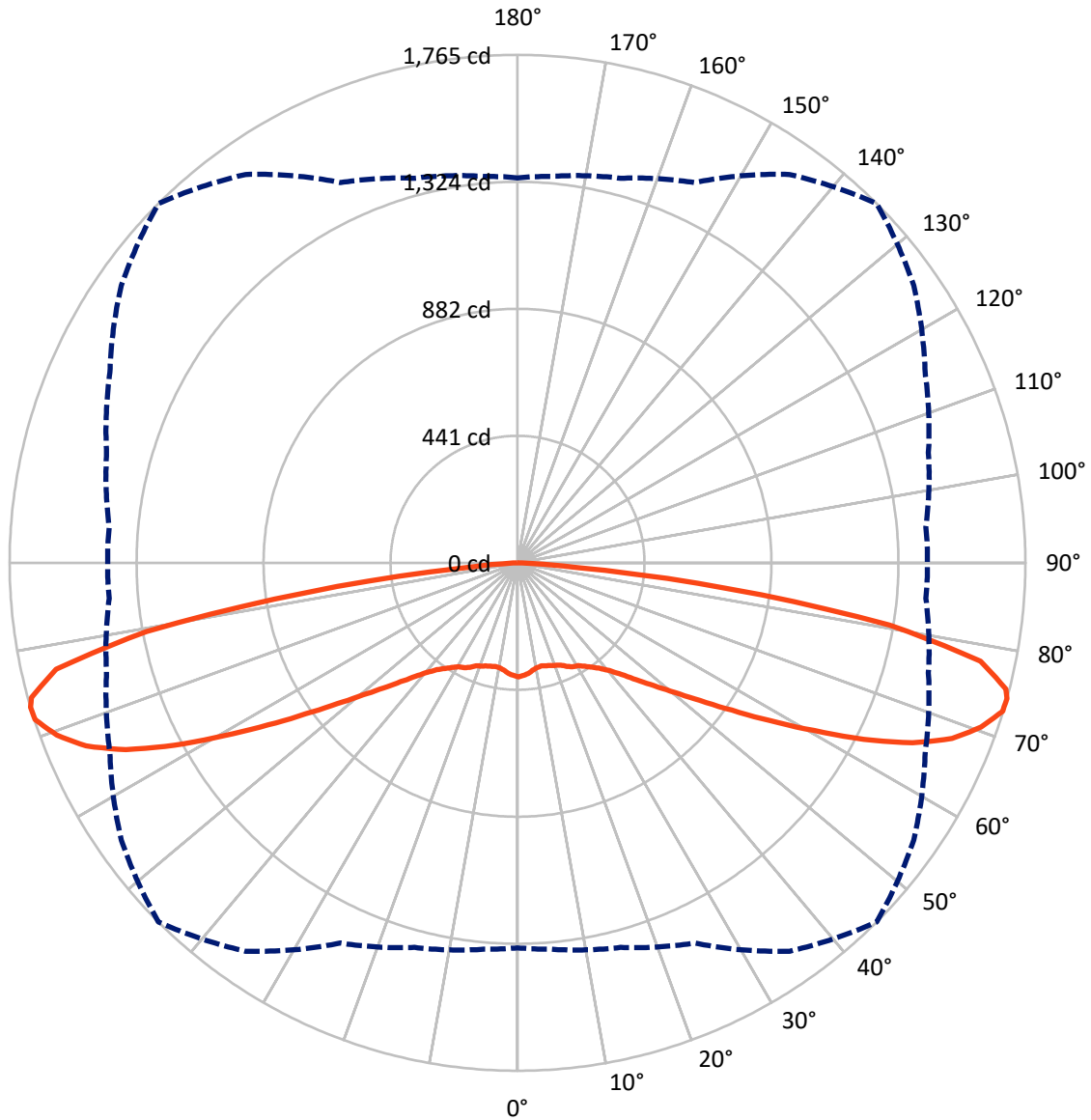
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.8 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	2402.5	0.0	2402.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2402.5	0.0	2402.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4805.0	0.0	4805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	0.8
10°-20°	106.4	2.2
20°-30°	183.8	3.8
30°-40°	281.6	5.9
40°-50°	458.1	9.5
50°-60°	794.4	16.5
60°-70°	1315.6	27.4
70°-80°	1423.5	29.6
80°-90°	205.1	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°	4805.0	100.0
0°-180°	4805.0	100.0

Coefficient of Utilization

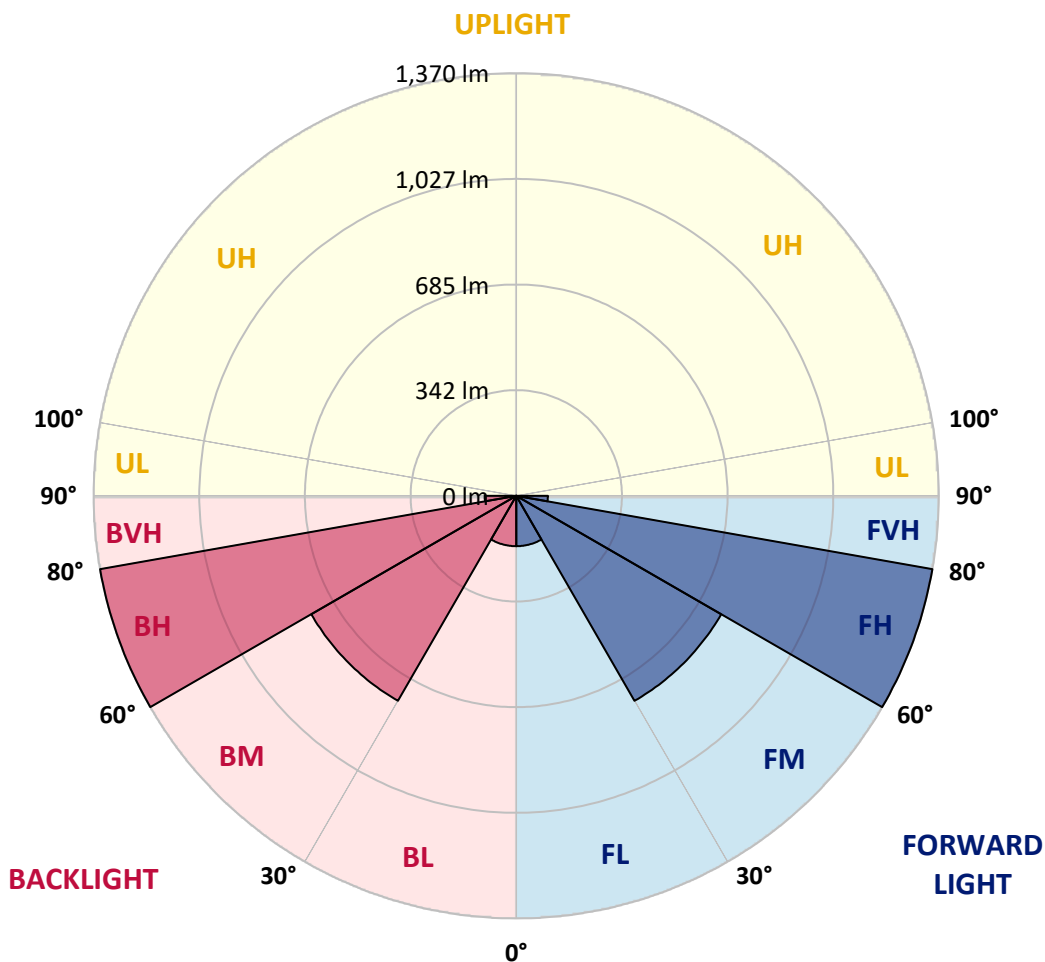


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.3	3.4			
FM (30°-60°)	767.0	16.0			
FH (60°-80°)	1369.6	28.5			G1/1800
FVH (80°-90°)	102.6	2.1			G2/225
BL (0°-30°)	163.3	3.4	B1/500		
BM (30°-60°)	767.0	16.0	B1/1000		
BH (60°-80°)	1369.6	28.5	B3/2500		G1/1800
BVH (80°-90°)	102.6	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°	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4
2.5°	390.7	391.8	391.8	390.7	391.8	391.8	391.8	393.0	391.8	394.1	393.0
5°	385.0	385.0	386.1	385.0	385.0	386.1	385.0	387.3	386.1	388.4	386.1
7.5°	375.8	375.8	375.8	375.8	377.0	377.0	377.0	379.3	379.3	379.3	378.1
10°	373.5	372.4	372.4	370.1	370.1	370.1	369.0	372.4	373.5	375.8	374.7
12.5°	374.7	374.7	372.4	370.1	369.0	367.8	367.8	371.3	374.7	375.8	375.8
15°	379.3	379.3	375.8	371.3	371.3	371.3	370.1	371.3	377.0	379.3	377.0
17.5°	382.7	381.5	378.1	375.8	375.8	374.7	374.7	374.7	378.1	381.5	381.5
20°	388.4	388.4	383.8	381.5	381.5	380.4	379.3	378.1	381.5	386.1	385.0
22.5°	396.4	394.1	390.7	388.4	387.3	386.1	383.8	385.0	387.3	390.7	390.7
25°	402.1	402.1	398.7	397.5	398.7	398.7	395.3	393.0	394.1	397.5	397.5
27.5°	404.4	404.4	402.1	402.1	406.7	409.0	404.4	399.8	397.5	401.0	399.8
30°	413.5	413.5	411.2	410.1	413.5	414.7	412.4	409.0	407.8	411.2	410.1
32.5°	429.5	428.4	425.0	421.5	422.7	428.4	423.8	422.7	422.7	426.1	427.2
35°	447.8	445.5	442.1	438.7	439.8	445.5	440.9	440.9	442.1	446.7	446.7
37.5°	474.1	471.8	467.2	459.2	458.1	464.9	463.8	464.9	469.5	471.8	474.1
40°	502.6	501.5	495.8	488.9	487.8	492.4	493.5	495.8	500.4	502.6	503.8
42.5°	543.8	541.5	532.3	525.5	524.3	530.1	532.3	534.6	540.3	542.6	544.9
45°	594.0	592.9	582.6	574.6	571.2	579.2	579.2	581.5	587.2	591.7	591.7
47.5°	648.9	647.7	639.7	630.6	631.7	637.4	636.3	637.4	642.0	646.6	650.0
50°	710.5	707.1	698.0	695.7	701.4	707.1	702.5	701.4	708.3	710.5	709.4
52.5°	777.9	774.5	769.9	769.9	783.7	793.9	790.5	780.2	780.2	779.1	777.9
55°	857.9	855.6	854.5	860.2	883.0	903.6	891.0	871.6	863.6	859.1	861.3
57.5°	941.3	935.6	945.9	958.4	1004.1	1033.8	1014.4	977.9	966.4	957.3	952.7
60°	1025.8	1023.5	1038.4	1068.1	1133.2	1183.5	1157.2	1096.7	1076.1	1055.5	1055.5
62.5°	1108.1	1105.8	1127.5	1173.2	1276.0	1350.3	1302.3	1225.7	1185.8	1154.9	1150.4
65°	1207.5	1204.0	1228.0	1277.2	1414.2	1507.9	1447.4	1346.8	1298.9	1256.6	1250.9
67.5°	1288.6	1288.6	1320.6	1381.1	1530.8	1629.0	1553.6	1466.8	1410.8	1367.4	1362.8
70°	1366.3	1373.1	1397.1	1456.5	1619.9	1709.0	1640.4	1562.7	1512.5	1469.1	1464.5
72.5°	1399.4	1408.5	1432.5	1490.8	1658.7	1762.7	1682.7	1593.6	1539.9	1496.5	1490.8
74°	1337.7	1348.0	1383.4	1457.6	1647.3	1764.9	1680.4	1562.7	1478.2	1424.5	1424.5
75°	1268.0	1281.7	1324.0	1404.0	1623.3	1752.4	1656.4	1513.6	1396.0	1333.1	1336.6
77.5°	977.9	1007.6	1053.3	1178.9	1456.5	1645.0	1472.5	1214.3	1025.8	932.2	929.9
80°	278.7	319.9	423.8	703.7	1106.9	1310.3	1081.8	718.5	507.2	386.1	371.3
82.5°	67.4	78.8	108.5	198.8	472.9	740.2	535.8	235.3	141.7	92.5	74.3
85°	28.6	30.8	49.1	68.5	130.2	196.5	124.5	80.0	58.3	26.3	25.1
87.5°	10.3	11.4	18.3	18.3	27.4	16.0	28.6	19.4	20.6	6.9	6.9
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)