

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: P594946

Luminaire Tested: **IST-PA1A-730-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594946
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-PA1A-730-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3830 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G1

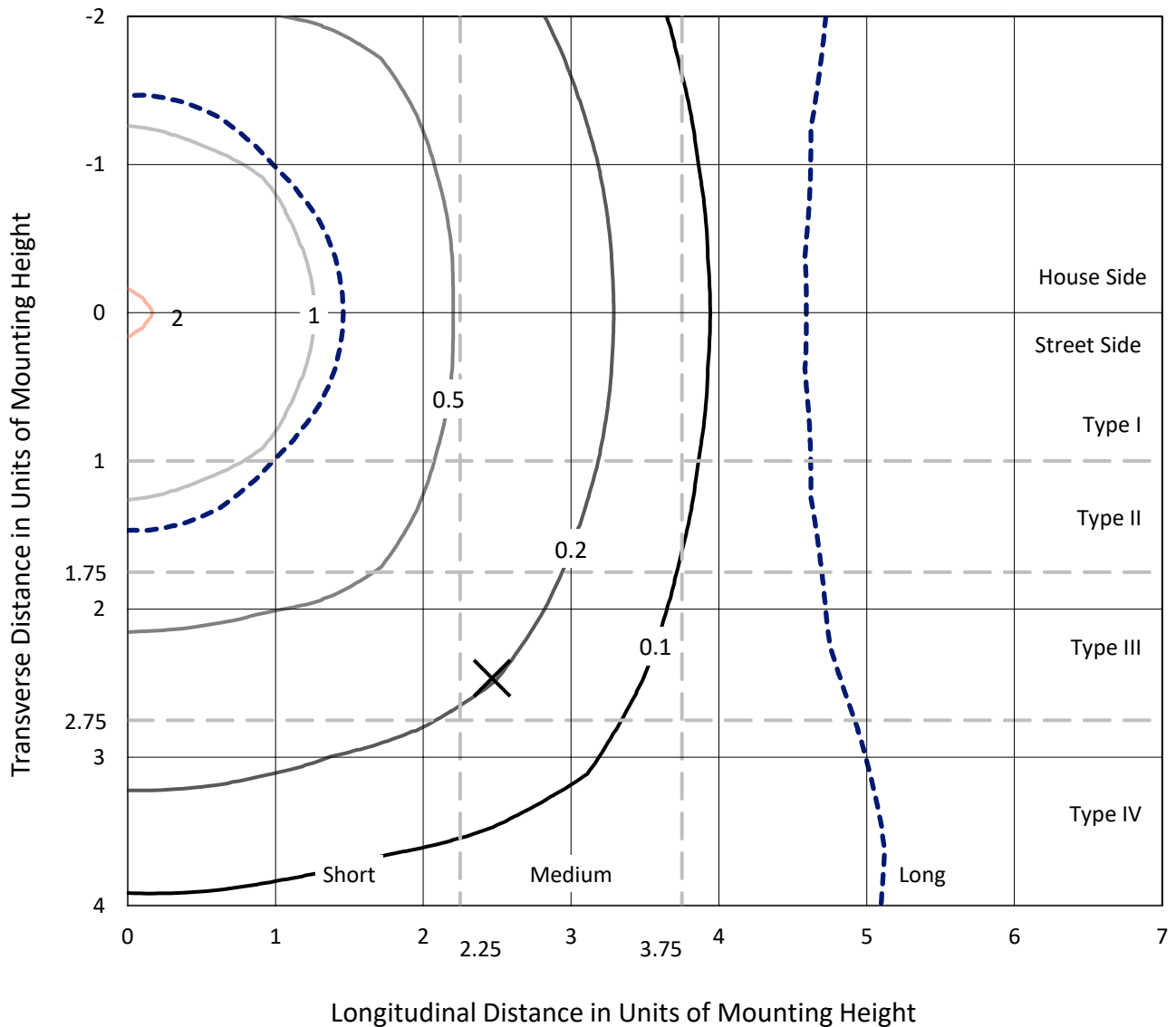
Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

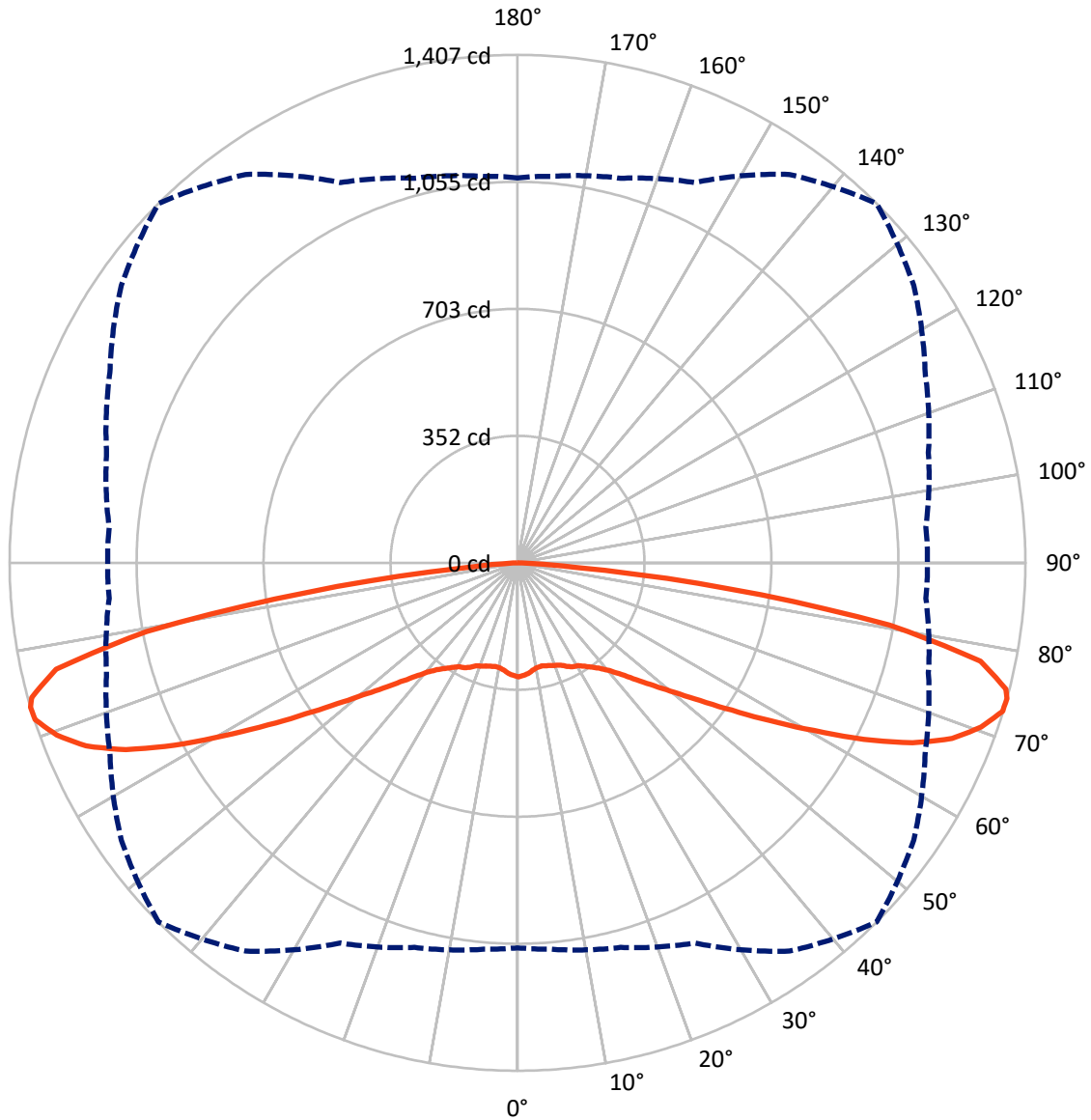
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.2 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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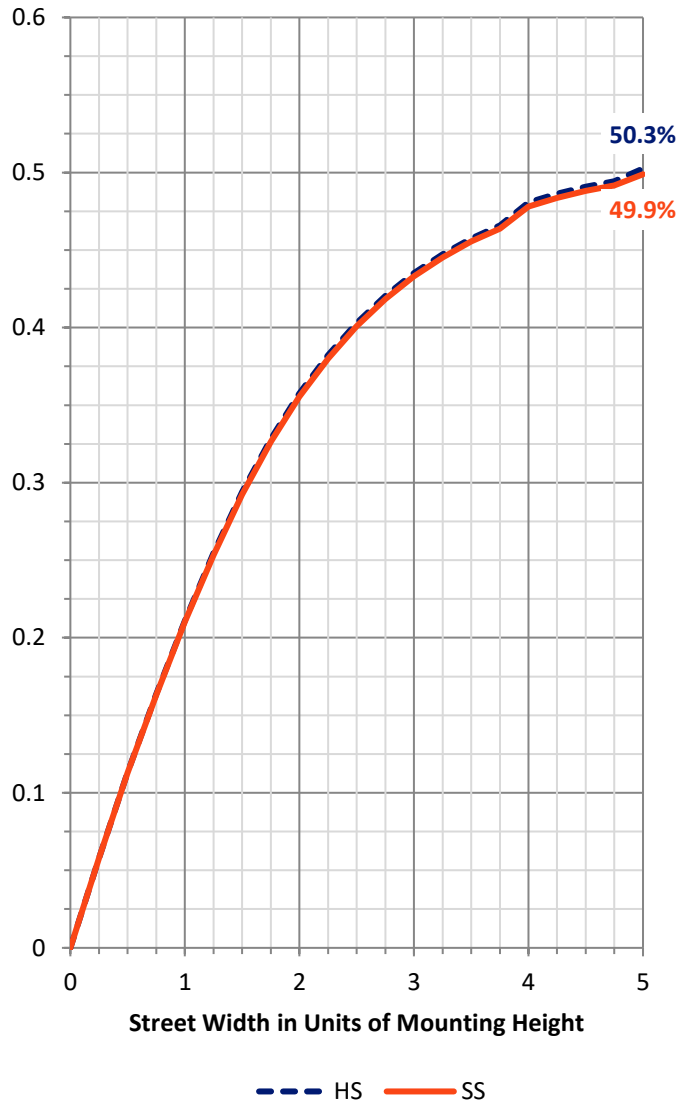
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1915.0	0.0	1915.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1915.0	0.0	1915.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3830.0	0.0	3830.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	0.8
10°-20°	84.8	2.2
20°-30°	146.5	3.8
30°-40°	224.4	5.9
40°-50°	365.1	9.5
50°-60°	633.2	16.5
60°-70°	1048.7	27.4
70°-80°	1134.7	29.6
80°-90°	163.5	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°	3830.0	100.0
0°-180°	3830.0	100.0

Coefficient of Utilization

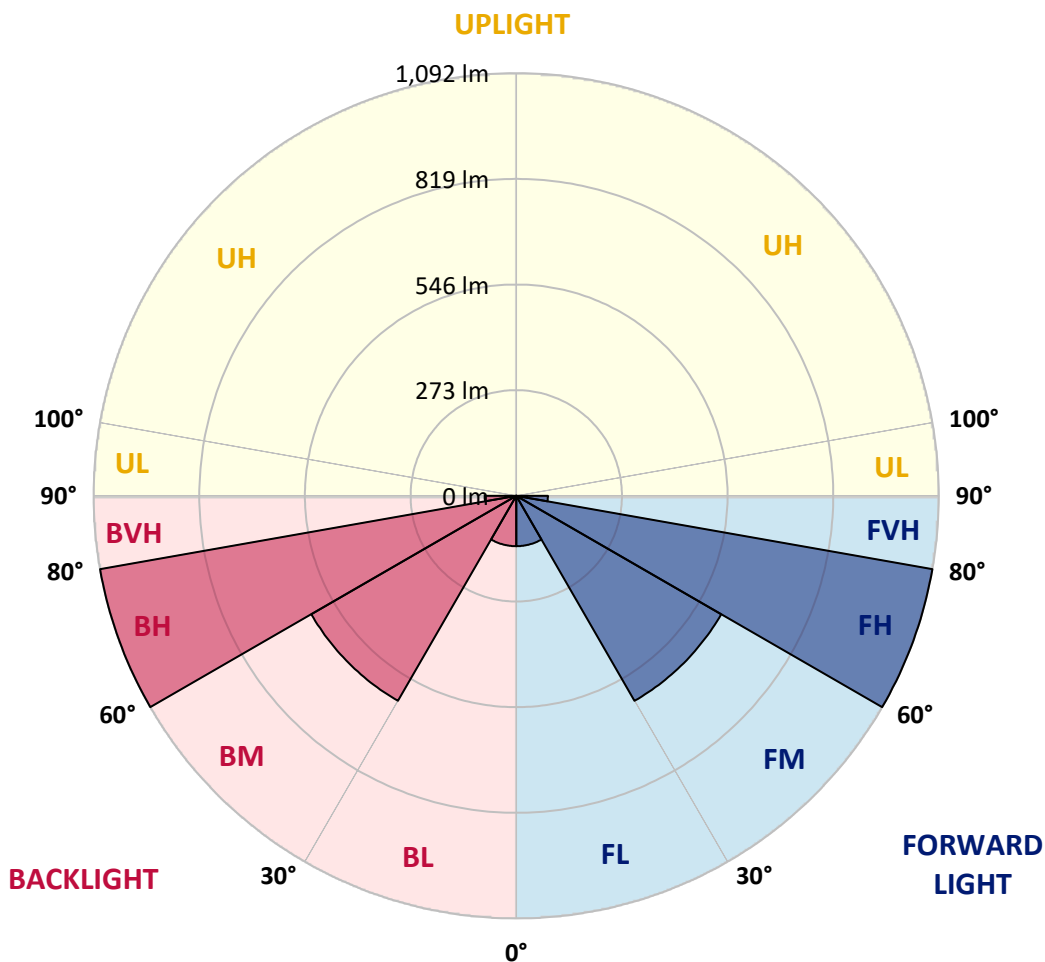


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.2	3.4			
FM (30°-60°)	611.4	16.0			
FH (60°-80°)	1091.7	28.5			G1/1800
FVH (80°-90°)	81.8	2.1			G1/100
BL (0°-30°)	130.2	3.4	B1/500		
BM (30°-60°)	611.4	16.0	B1/1000		
BH (60°-80°)	1091.7	28.5	B3/2500		G1/1800
BVH (80°-90°)	81.8	2.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0
2.5°	311.4	312.3	312.3	311.4	312.3	312.3	312.3	313.2	312.3	314.1	313.2
5°	306.9	306.9	307.8	306.9	306.9	307.8	306.9	308.7	307.8	309.6	307.8
7.5°	299.6	299.6	299.6	299.6	300.5	300.5	300.5	302.3	302.3	302.3	301.4
10°	297.8	296.8	296.8	295.0	295.0	295.0	294.1	296.8	297.8	299.6	298.7
12.5°	298.7	298.7	296.8	295.0	294.1	293.2	293.2	295.9	298.7	299.6	299.6
15°	302.3	302.3	299.6	295.9	295.9	295.9	295.0	295.9	300.5	302.3	300.5
17.5°	305.0	304.1	301.4	299.6	299.6	298.7	298.7	298.7	301.4	304.1	304.1
20°	309.6	309.6	305.9	304.1	304.1	303.2	302.3	301.4	304.1	307.8	306.9
22.5°	316.0	314.1	311.4	309.6	308.7	307.8	305.9	306.9	308.7	311.4	311.4
25°	320.5	320.5	317.8	316.9	317.8	317.8	315.1	313.2	314.1	316.9	316.9
27.5°	322.3	322.3	320.5	320.5	324.2	326.0	322.3	318.7	316.9	319.6	318.7
30°	329.6	329.6	327.8	326.9	329.6	330.5	328.7	326.0	325.1	327.8	326.9
32.5°	342.4	341.5	338.7	336.0	336.9	341.5	337.8	336.9	336.9	339.6	340.5
35°	356.9	355.1	352.4	349.7	350.6	355.1	351.5	351.5	352.4	356.0	356.0
37.5°	377.9	376.1	372.4	366.0	365.1	370.6	369.7	370.6	374.2	376.1	377.9
40°	400.6	399.7	395.2	389.7	388.8	392.4	393.4	395.2	398.8	400.6	401.6
42.5°	433.4	431.6	424.3	418.9	417.9	422.5	424.3	426.1	430.7	432.5	434.3
45°	473.5	472.6	464.4	458.0	455.3	461.7	461.7	463.5	468.0	471.7	471.7
47.5°	517.2	516.3	509.9	502.6	503.5	508.1	507.2	508.1	511.7	515.4	518.1
50°	566.4	563.6	556.3	554.5	559.1	563.6	560.0	559.1	564.5	566.4	565.5
52.5°	620.1	617.4	613.7	613.7	624.6	632.8	630.1	621.9	621.9	621.0	620.1
55°	683.8	682.0	681.1	685.6	703.9	720.2	710.2	694.8	688.4	684.7	686.6
57.5°	750.3	745.7	753.9	764.0	800.4	824.1	808.6	779.4	770.3	763.0	759.4
60°	817.7	815.9	827.7	851.4	903.3	943.3	922.4	874.1	857.7	841.4	841.4
62.5°	883.2	881.4	898.7	935.1	1017.1	1076.3	1038.0	977.0	945.2	920.6	916.9
65°	962.5	959.7	978.8	1018.0	1127.3	1201.9	1153.7	1073.5	1035.3	1001.6	997.1
67.5°	1027.1	1027.1	1052.6	1100.9	1220.1	1298.5	1238.4	1169.2	1124.5	1089.9	1086.3
70°	1089.0	1094.5	1113.6	1161.0	1291.2	1362.2	1307.6	1245.6	1205.6	1171.0	1167.3
72.5°	1115.4	1122.7	1141.8	1188.3	1322.1	1405.0	1341.2	1270.2	1227.4	1192.8	1188.3
74°	1066.3	1074.5	1102.7	1161.9	1313.0	1406.8	1339.4	1245.6	1178.3	1135.5	1135.5
75°	1010.7	1021.6	1055.3	1119.1	1293.9	1396.8	1320.3	1206.5	1112.7	1062.6	1065.3
77.5°	779.4	803.1	839.5	939.7	1161.0	1311.2	1173.7	967.9	817.7	743.0	741.2
80°	222.2	255.0	337.8	560.9	882.3	1044.4	862.3	572.7	404.3	307.8	295.9
82.5°	53.7	62.8	86.5	158.4	377.0	590.0	427.1	187.6	112.9	73.8	59.2
85°	22.8	24.6	39.2	54.6	103.8	156.6	99.3	63.7	46.4	20.9	20.0
87.5°	8.2	9.1	14.6	14.6	21.9	12.7	22.8	15.5	16.4	5.5	5.5
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)