

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: P595090

Luminaire Tested: **IST-PA1B-830-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595090
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-830-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 80 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: 4193 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G1

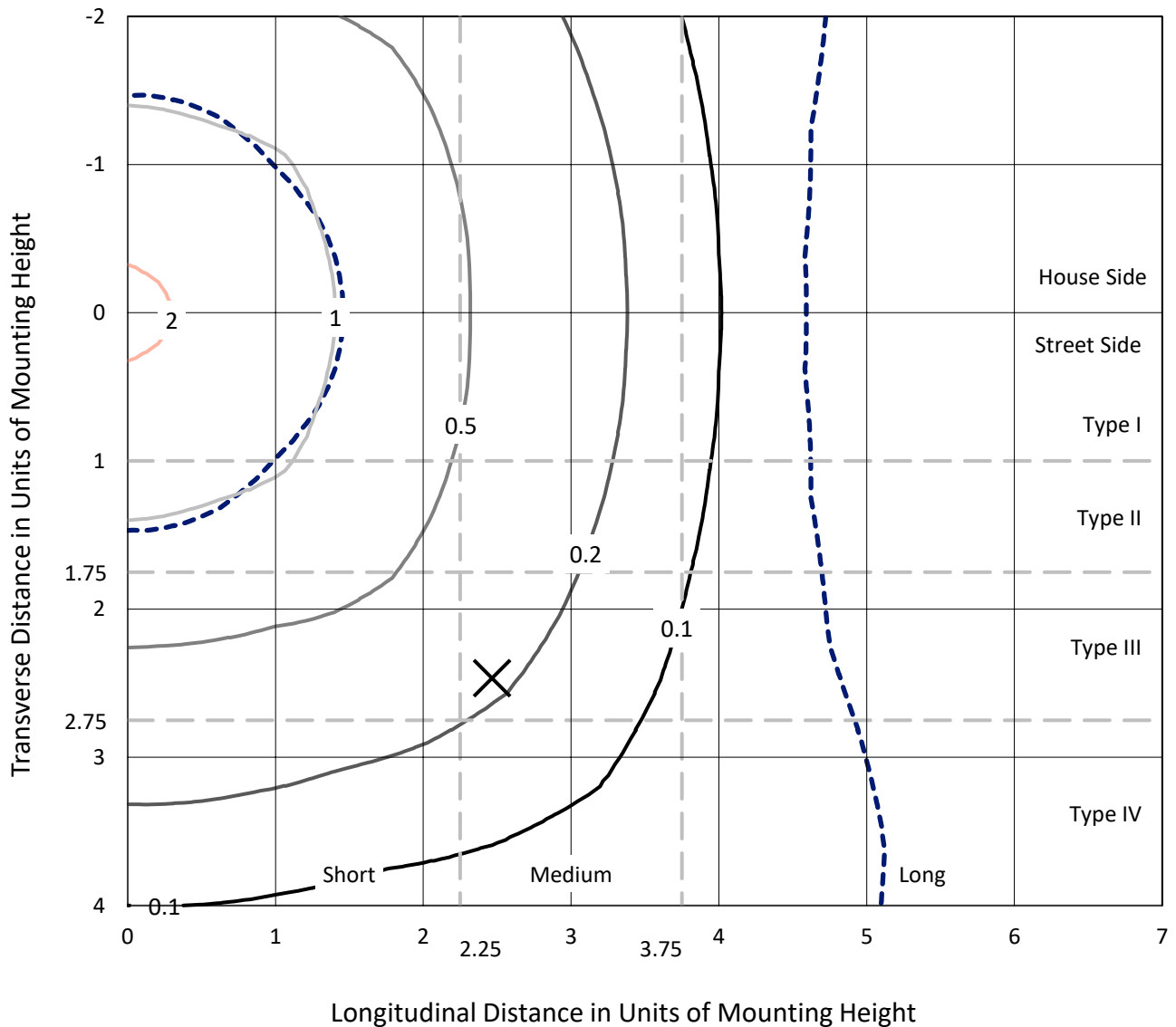
Input Watts (W): 36.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

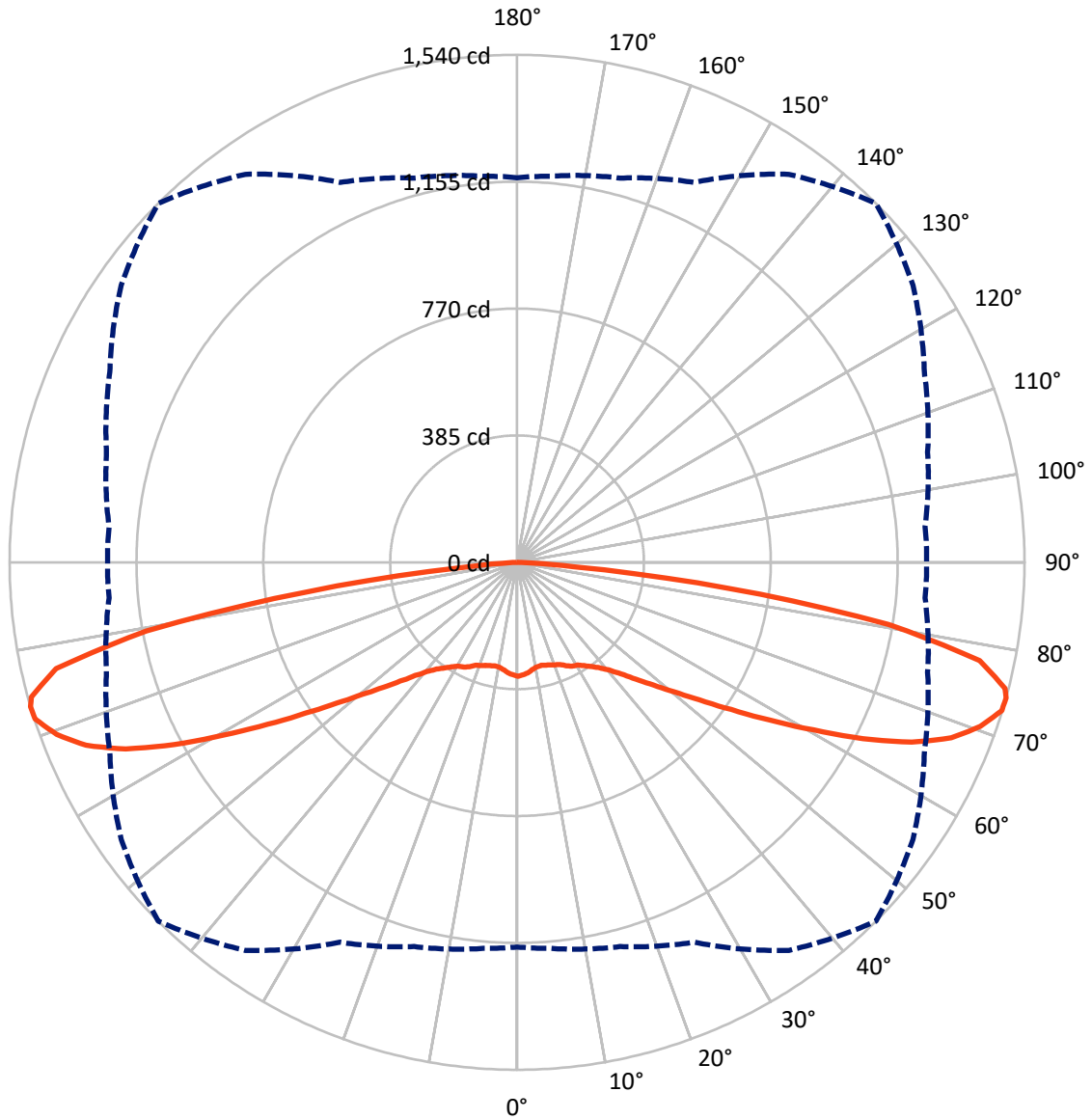
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.4 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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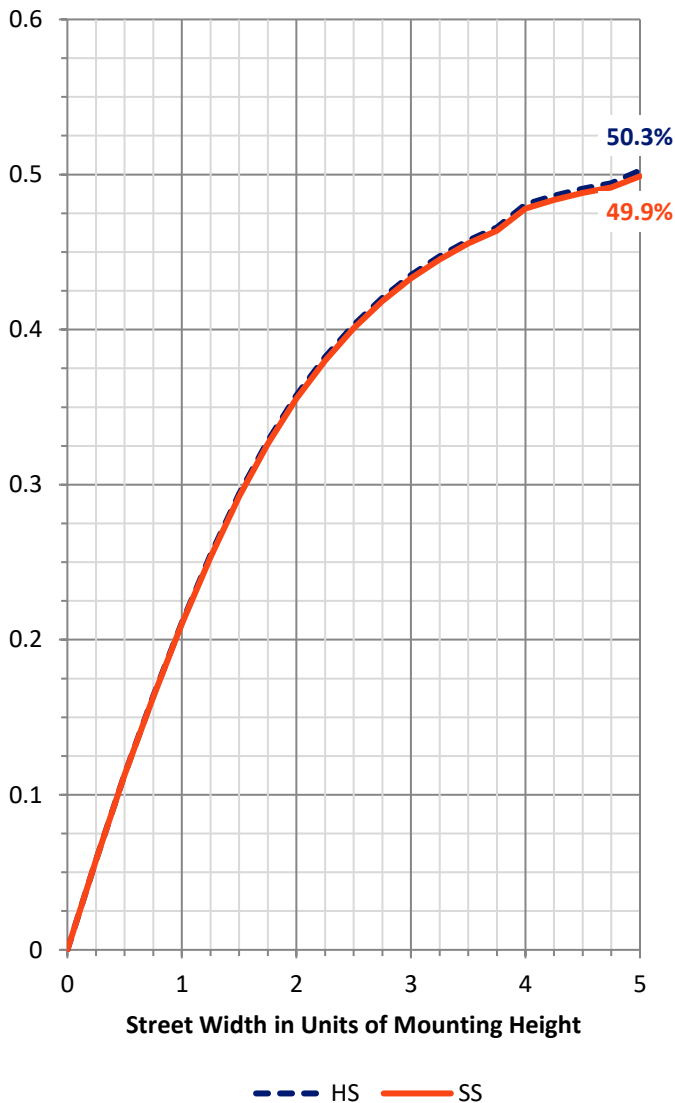
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2096.5	0.0	2096.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2096.5	0.0	2096.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4193.0	0.0	4193.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	0.8
10°-20°	92.9	2.2
20°-30°	160.4	3.8
30°-40°	245.7	5.9
40°-50°	399.7	9.5
50°-60°	693.2	16.5
60°-70°	1148.1	27.4
70°-80°	1242.2	29.6
80°-90°	179.0	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°	4193.0	100.0
0°-180°	4193.0	100.0

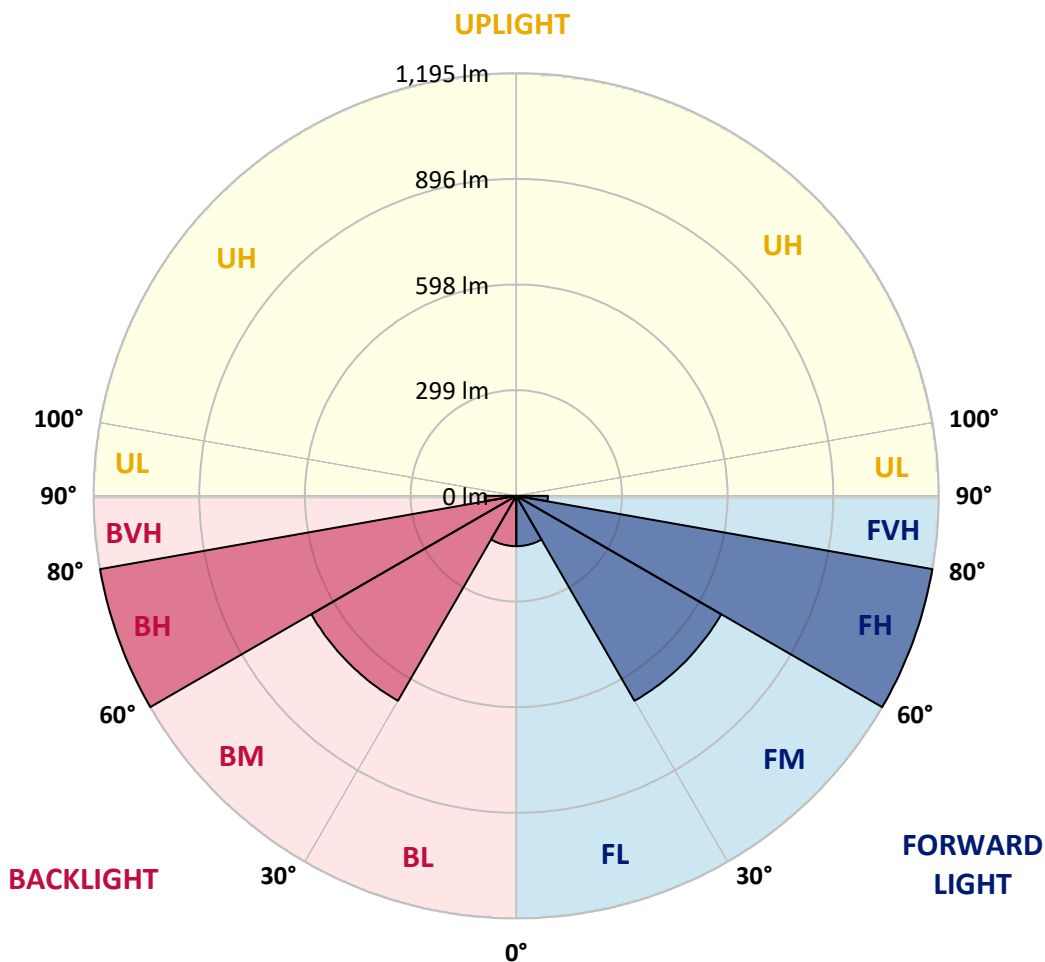


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.5	3.4			
FM (30°-60°)	669.3	16.0			
FH (60°-80°)	1195.1	28.5			G1/1800
FVH (80°-90°)	89.5	2.1			G1/100
BL (0°-30°)	142.5	3.4	B1/500		
BM (30°-60°)	669.3	16.0	B1/1000		
BH (60°-80°)	1195.1	28.5	B3/2500		G1/1800
BVH (80°-90°)	89.5	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°	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9	345.9
2.5°	340.9	341.9	341.9	340.9	341.9	341.9	341.9	342.9	341.9	343.9	342.9
5°	335.9	335.9	336.9	335.9	335.9	336.9	335.9	337.9	336.9	338.9	336.9
7.5°	328.0	328.0	328.0	328.0	329.0	329.0	329.0	331.0	331.0	331.0	330.0
10°	326.0	325.0	325.0	323.0	323.0	323.0	322.0	325.0	326.0	328.0	327.0
12.5°	327.0	327.0	325.0	323.0	322.0	321.0	321.0	324.0	327.0	328.0	328.0
15°	331.0	331.0	328.0	324.0	324.0	324.0	323.0	324.0	329.0	331.0	329.0
17.5°	333.9	332.9	330.0	328.0	328.0	327.0	327.0	327.0	330.0	332.9	332.9
20°	338.9	338.9	334.9	332.9	332.9	332.0	331.0	330.0	332.9	336.9	335.9
22.5°	345.9	343.9	340.9	338.9	337.9	336.9	334.9	335.9	337.9	340.9	340.9
25°	350.9	350.9	347.9	346.9	347.9	347.9	344.9	342.9	343.9	346.9	346.9
27.5°	352.9	352.9	350.9	350.9	354.9	356.9	352.9	348.9	346.9	349.9	348.9
30°	360.9	360.9	358.9	357.9	360.9	361.9	359.9	356.9	355.9	358.9	357.9
32.5°	374.8	373.8	370.8	367.8	368.8	373.8	369.8	368.8	368.8	371.8	372.8
35°	390.8	388.8	385.8	382.8	383.8	388.8	384.8	384.8	385.8	389.8	389.8
37.5°	413.7	411.7	407.7	400.7	399.7	405.7	404.7	405.7	409.7	411.7	413.7
40°	438.6	437.6	432.6	426.7	425.7	429.6	430.6	432.6	436.6	438.6	439.6
42.5°	474.5	472.5	464.5	458.6	457.6	462.5	464.5	466.5	471.5	473.5	475.5
45°	518.4	517.4	508.4	501.4	498.4	505.4	505.4	507.4	512.4	516.4	516.4
47.5°	566.2	565.2	558.2	550.3	551.3	556.2	555.2	556.2	560.2	564.2	567.2
50°	620.0	617.1	609.1	607.1	612.1	617.1	613.1	612.1	618.1	620.0	619.0
52.5°	678.9	675.9	671.9	671.9	683.8	692.8	689.8	680.9	680.9	679.9	678.9
55°	748.6	746.6	745.6	750.6	770.6	788.5	777.5	760.6	753.6	749.6	751.6
57.5°	821.4	816.4	825.4	836.4	876.2	902.2	885.2	853.3	843.3	835.4	831.4
60°	895.2	893.2	906.1	932.1	988.9	1032.7	1009.8	957.0	939.0	921.1	921.1
62.5°	967.0	965.0	983.9	1023.8	1113.5	1178.3	1136.4	1069.6	1034.7	1007.8	1003.8
65°	1053.7	1050.7	1071.6	1114.5	1234.1	1315.8	1263.0	1175.3	1133.4	1096.5	1091.6
67.5°	1124.5	1124.5	1152.4	1205.2	1335.8	1421.5	1355.7	1280.0	1231.1	1193.2	1189.2
70°	1192.2	1198.2	1219.2	1271.0	1413.5	1491.3	1431.5	1363.7	1319.8	1282.0	1278.0
72.5°	1221.1	1229.1	1250.1	1300.9	1447.4	1538.1	1468.4	1390.6	1343.8	1305.9	1300.9
74°	1167.3	1176.3	1207.2	1272.0	1437.5	1540.1	1466.4	1363.7	1289.9	1243.1	1243.1
75°	1106.5	1118.5	1155.4	1225.1	1416.5	1529.2	1445.4	1320.8	1218.2	1163.3	1166.3
77.5°	853.3	879.2	919.1	1028.8	1271.0	1435.5	1284.9	1059.7	895.2	813.4	811.4
80°	243.2	279.1	369.8	614.1	966.0	1143.4	944.0	627.0	442.6	336.9	324.0
82.5°	58.8	68.8	94.7	173.5	412.7	646.0	467.5	205.4	123.6	80.7	64.8
85°	24.9	26.9	42.9	59.8	113.6	171.5	108.7	69.8	50.8	22.9	21.9
87.5°	9.0	10.0	15.9	15.9	23.9	14.0	24.9	16.9	17.9	6.0	6.0
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)