

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: P595360

Luminaire Tested: **IST-PA1F-730-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595360
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-PA1F-730-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10455 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B4 - U0 - G2

Input Watts (W): 93.5
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

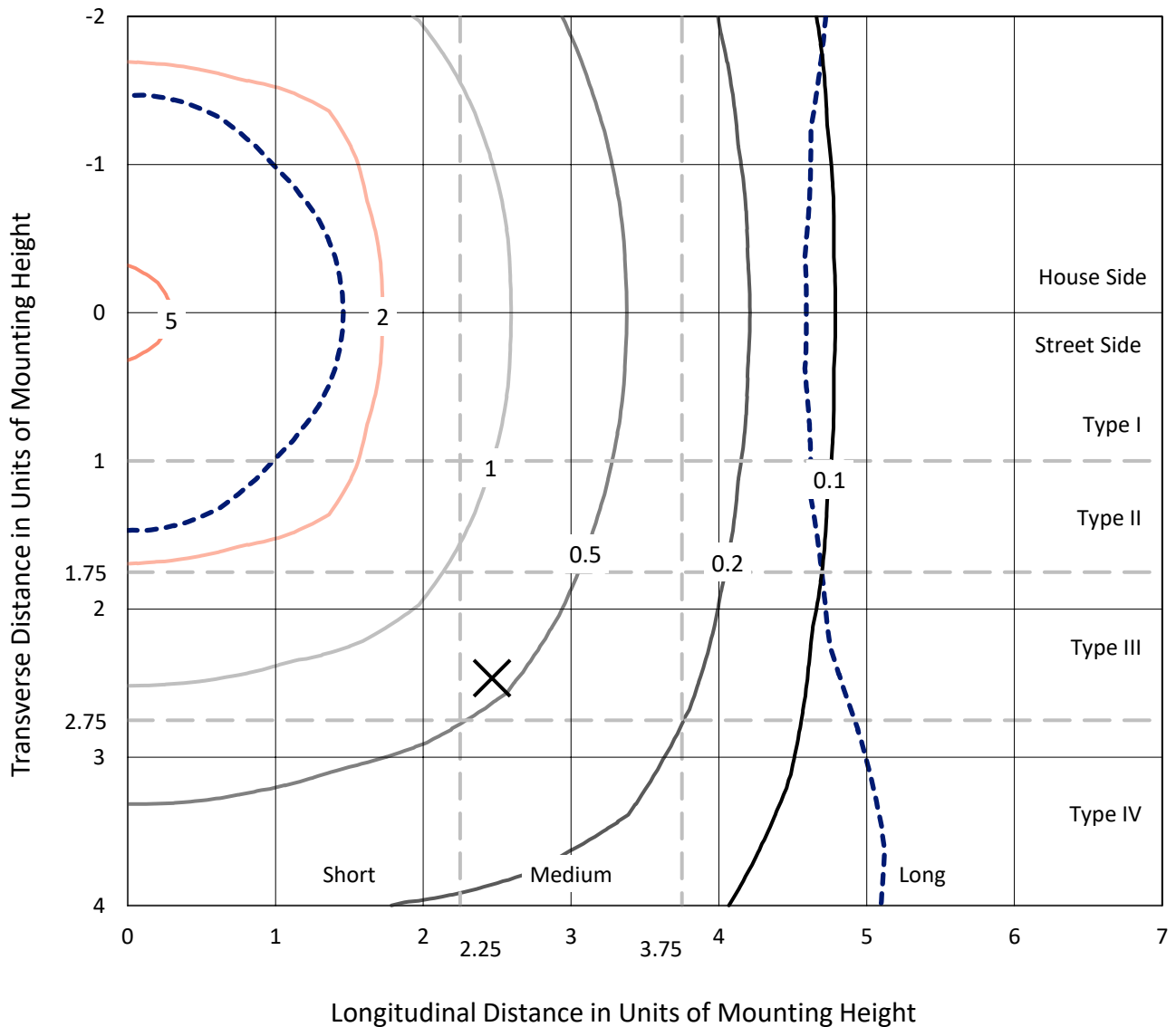




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Iso-Footcandle Lines of Horizontal Illumination

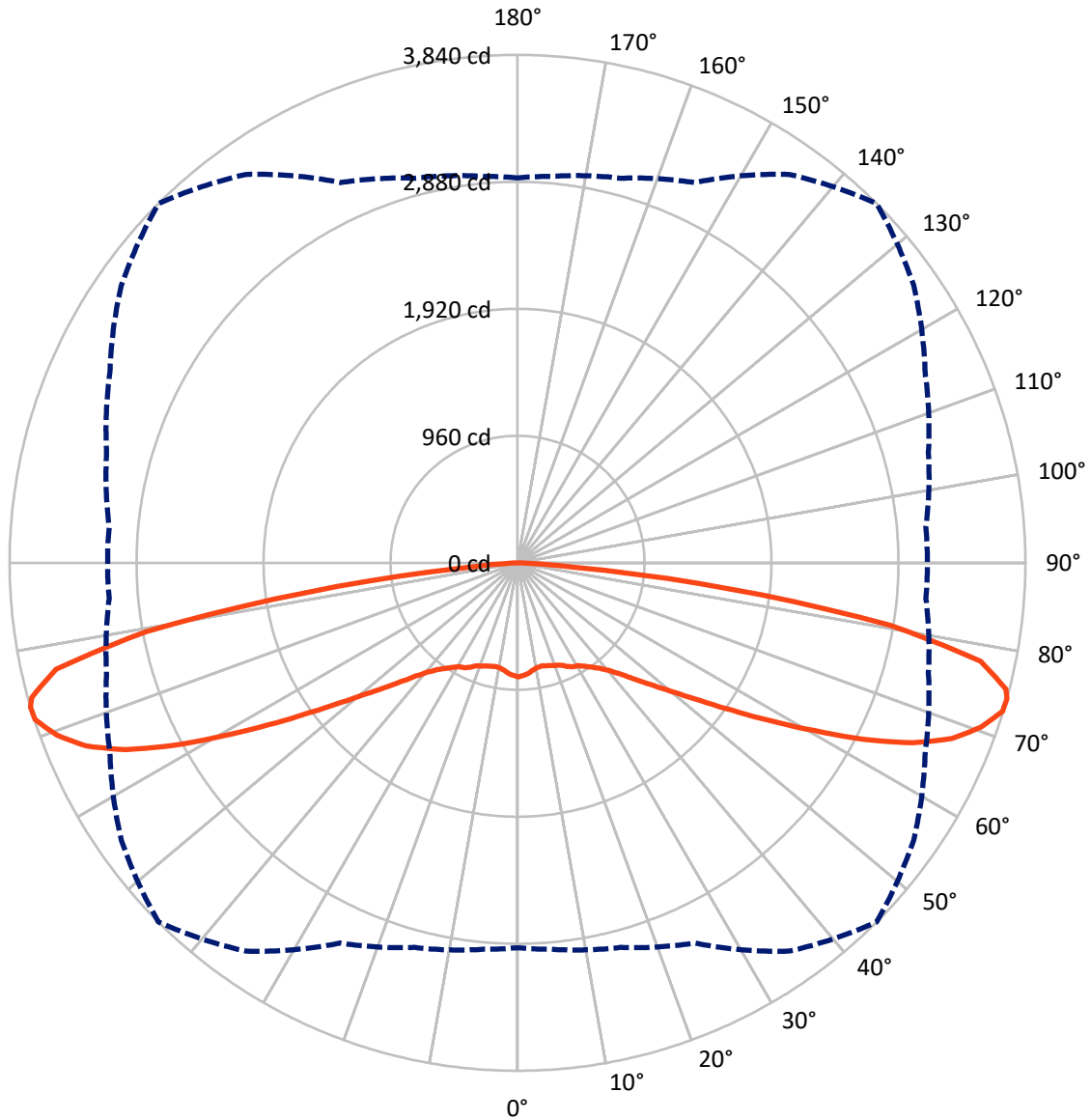
× Max cd
 - - - 1/2 Max cd



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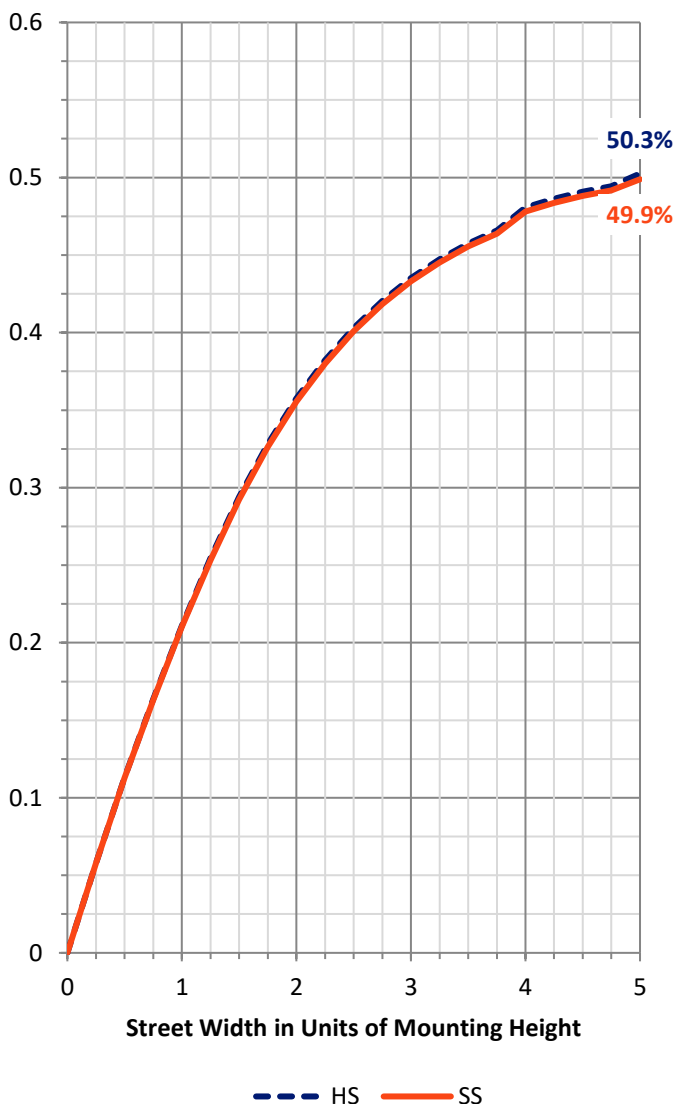
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5227.5	0.0	5227.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5227.5	0.0	5227.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10455.0	0.0	10455.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.1	0.8
10°-20°	231.6	2.2
20°-30°	400.0	3.8
30°-40°	612.7	5.9
40°-50°	996.7	9.5
50°-60°	1728.5	16.5
60°-70°	2862.7	27.4
70°-80°	3097.3	29.6
80°-90°	446.4	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°	10455.0	100.0
0°-180°	10455.0	100.0

Coefficient of Utilization

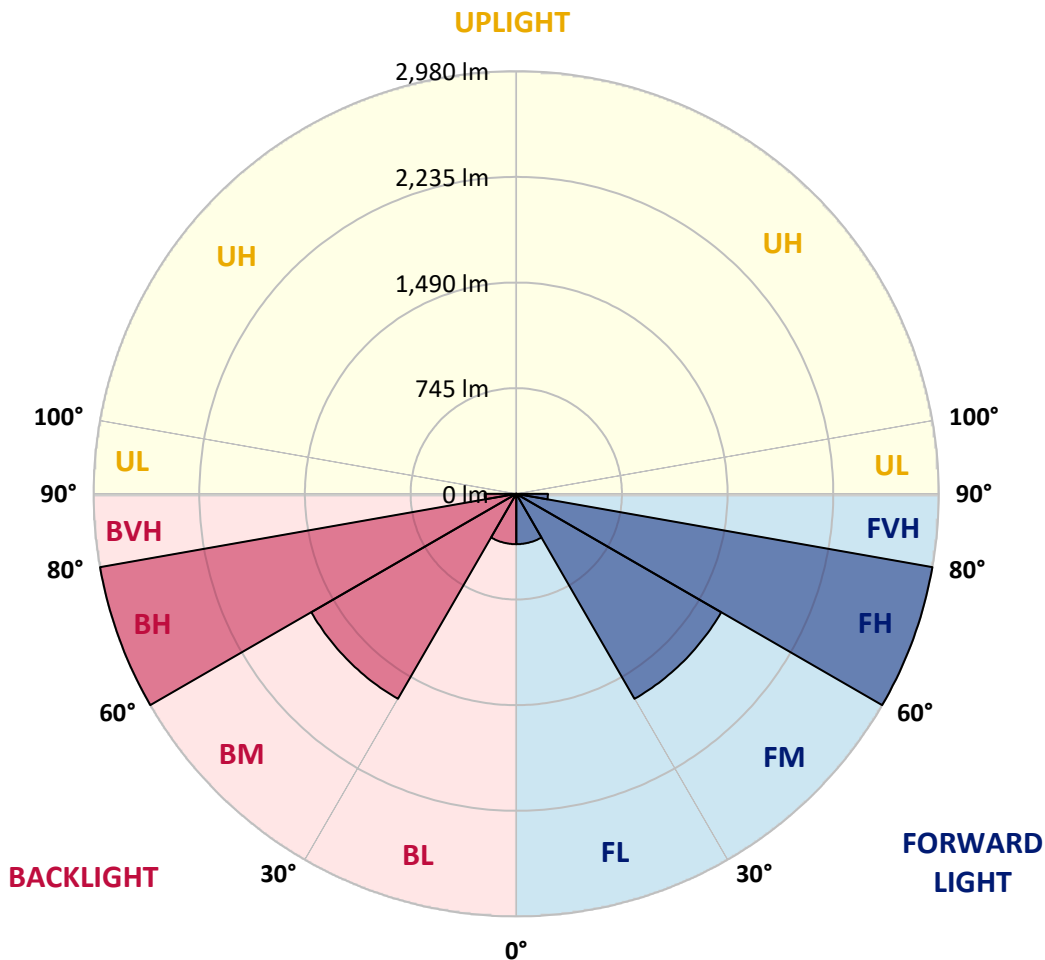


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	355.3	3.4			
FM (30°-60°)	1669.0	16.0			
FH (60°-80°)	2980.0	28.5			G2/5000
FVH (80°-90°)	223.2	2.1			G2/225
BL (0°-30°)	355.3	3.4	B1/500		
BM (30°-60°)	1669.0	16.0	B2/2500		
BH (60°-80°)	2980.0	28.5	B4/5000		G2/5000
BVH (80°-90°)	223.2	2.1			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	862.5	862.5	862.5	862.5	862.5	862.5	862.5	862.5	862.5	862.5	862.5
2.5°	850.1	852.6	852.6	850.1	852.6	852.6	852.6	855.0	852.6	857.5	855.0
5°	837.6	837.6	840.1	837.6	837.6	837.6	837.6	842.6	840.1	845.1	840.1
7.5°	817.8	817.8	817.8	817.8	820.2	820.2	820.2	825.2	825.2	825.2	822.7
10°	812.8	810.3	810.3	805.3	805.3	805.3	802.8	810.3	812.8	817.8	815.3
12.5°	815.3	815.3	810.3	805.3	802.8	800.4	800.4	807.8	815.3	817.8	817.8
15°	825.2	825.2	817.8	807.8	807.8	807.8	805.3	807.8	820.2	825.2	820.2
17.5°	832.7	830.2	822.7	817.8	817.8	815.3	815.3	815.3	822.7	830.2	830.2
20°	845.1	845.1	835.2	830.2	830.2	827.7	825.2	822.7	830.2	840.1	837.6
22.5°	862.5	857.5	850.1	845.1	842.6	840.1	835.2	837.6	842.6	850.1	850.1
25°	874.9	874.9	867.5	865.0	867.5	867.5	860.0	855.0	857.5	865.0	865.0
27.5°	879.9	879.9	874.9	874.9	884.9	889.8	879.9	870.0	865.0	872.4	870.0
30°	899.8	899.8	894.8	892.3	899.8	902.3	897.3	889.8	887.4	894.8	892.3
32.5°	934.6	932.1	924.6	917.2	919.7	932.1	922.2	919.7	919.7	927.1	929.6
35°	974.4	969.4	961.9	954.5	957.0	969.4	959.4	959.4	961.9	971.9	971.9
37.5°	1031.5	1026.6	1016.6	999.2	996.7	1011.6	1009.2	1011.6	1021.6	1026.6	1031.5
40°	1093.7	1091.2	1078.8	1063.8	1061.4	1071.3	1073.8	1078.8	1088.7	1093.7	1096.2
42.5°	1183.1	1178.2	1158.3	1143.4	1140.9	1153.3	1158.3	1163.3	1175.7	1180.7	1185.6
45°	1292.5	1290.0	1267.7	1250.3	1242.8	1260.2	1260.2	1265.2	1277.6	1287.5	1287.5
47.5°	1411.8	1409.3	1391.9	1372.1	1374.5	1387.0	1384.5	1387.0	1396.9	1406.9	1414.3
50°	1546.0	1538.6	1518.7	1513.7	1526.2	1538.6	1528.6	1526.2	1541.1	1546.0	1543.6
52.5°	1692.7	1685.2	1675.3	1675.3	1705.1	1727.5	1720.0	1697.7	1697.7	1695.2	1692.7
55°	1866.7	1861.7	1859.2	1871.7	1921.4	1966.1	1938.8	1896.5	1879.1	1869.2	1874.1
57.5°	2048.1	2035.7	2058.1	2085.4	2184.8	2249.5	2207.2	2127.7	2102.8	2082.9	2073.0
60°	2232.1	2227.1	2259.4	2324.0	2465.7	2575.1	2517.9	2386.2	2341.4	2296.7	2296.7
62.5°	2411.0	2406.1	2453.3	2552.7	2776.4	2938.0	2833.6	2667.1	2580.1	2512.9	2503.0
65°	2627.3	2619.8	2672.0	2778.9	3077.2	3281.0	3149.3	2930.5	2826.1	2734.2	2721.7
67.5°	2803.8	2803.8	2873.4	3005.1	3330.7	3544.5	3380.4	3191.5	3069.7	2975.3	2965.3
70°	2972.8	2987.7	3039.9	3169.1	3524.6	3718.5	3569.3	3400.3	3290.9	3196.5	3186.5
72.5°	3044.9	3064.7	3116.9	3243.7	3609.1	3835.3	3661.3	3467.4	3350.6	3256.1	3243.7
74°	2910.6	2933.0	3010.1	3171.6	3584.2	3840.3	3656.3	3400.3	3216.4	3099.5	3099.5
75°	2759.0	2788.8	2880.8	3054.8	3532.0	3812.9	3604.1	3293.4	3037.4	2900.7	2908.2
77.5°	2127.7	2192.3	2291.7	2565.1	3169.1	3579.3	3203.9	2642.2	2232.1	2028.3	2023.3
80°	606.5	696.0	922.2	1531.1	2408.5	2851.0	2353.9	1563.4	1103.6	840.1	807.8
82.5°	146.7	171.5	236.1	432.5	1029.0	1610.7	1165.7	512.0	308.2	201.3	161.6
85°	62.1	67.1	106.9	149.1	283.4	427.5	270.9	174.0	126.8	57.2	54.7
87.5°	22.4	24.9	39.8	39.8	59.7	34.8	62.1	42.3	44.7	14.9	14.9
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)