

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: P595279

Luminaire Tested: **IST-PA1E-730-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595279
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-PA1E-730-U-5WQ
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9525 lumens
Efficiency: N/A
Efficacy: 116.9 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

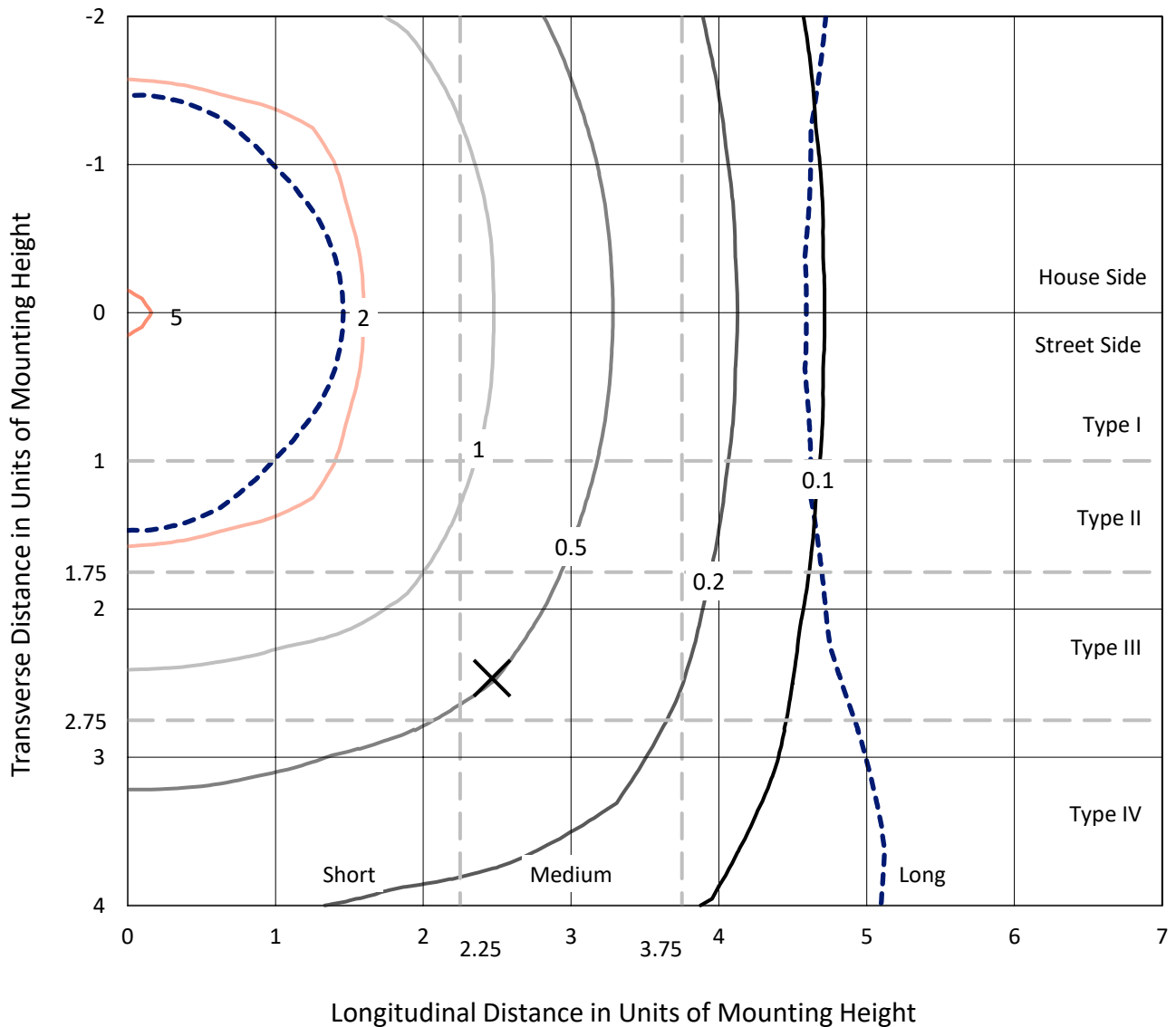
Input Watts (W): 81.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

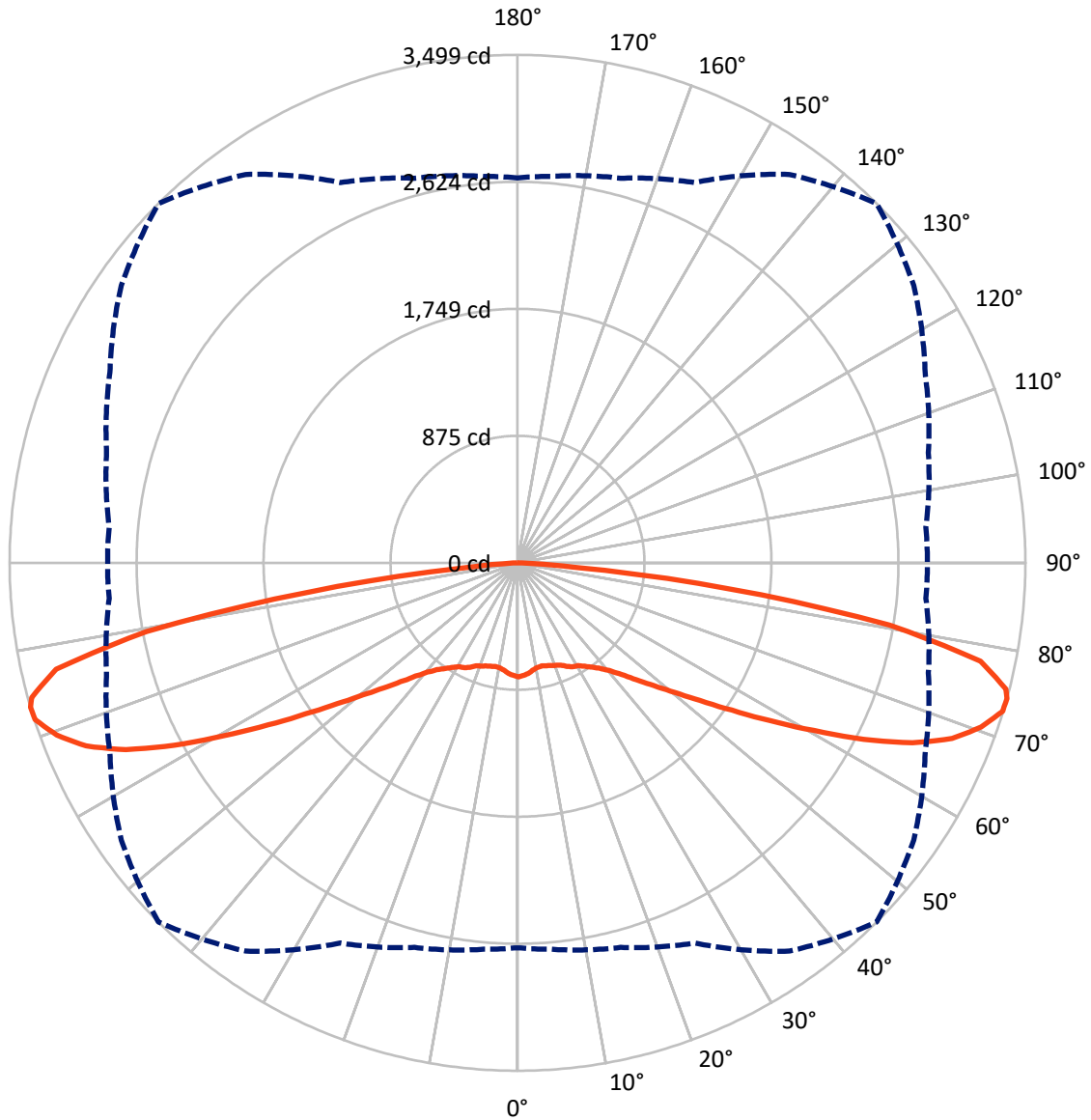
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.5 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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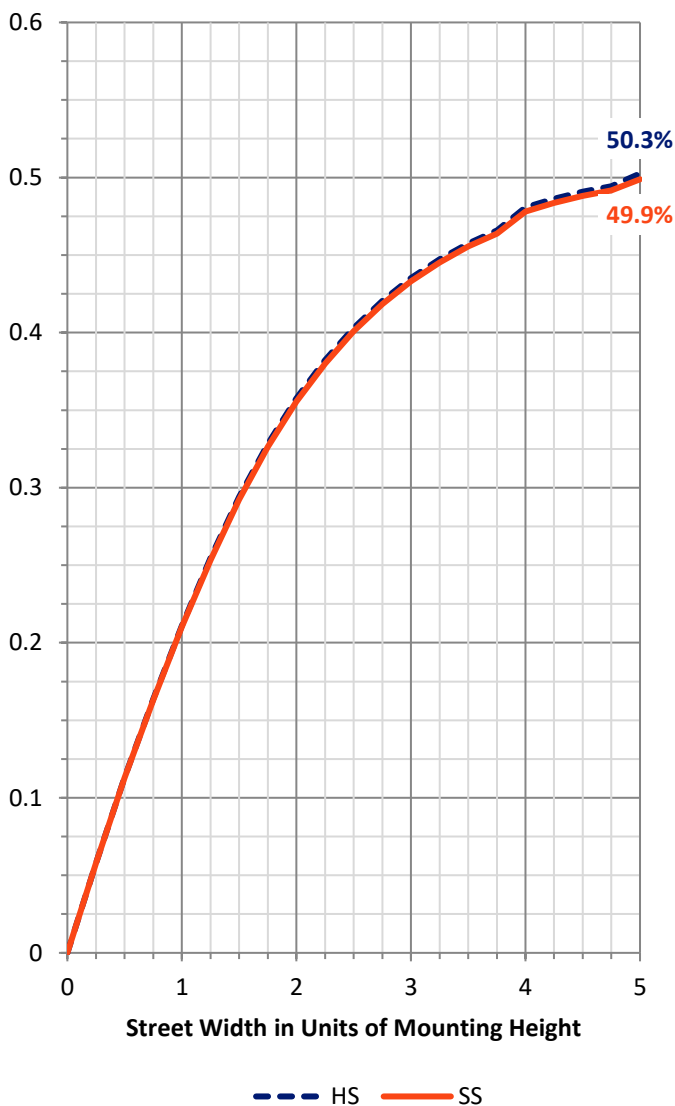
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4762.5	0.0	4762.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4762.5	0.0	4762.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9525.0	0.0	9525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	0.8
10°-20°	211.0	2.2
20°-30°	364.4	3.8
30°-40°	558.2	5.9
40°-50°	908.1	9.5
50°-60°	1574.8	16.5
60°-70°	2608.0	27.4
70°-80°	2821.8	29.6
80°-90°	406.7	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°	9525.0	100.0
0°-180°	9525.0	100.0

Coefficient of Utilization

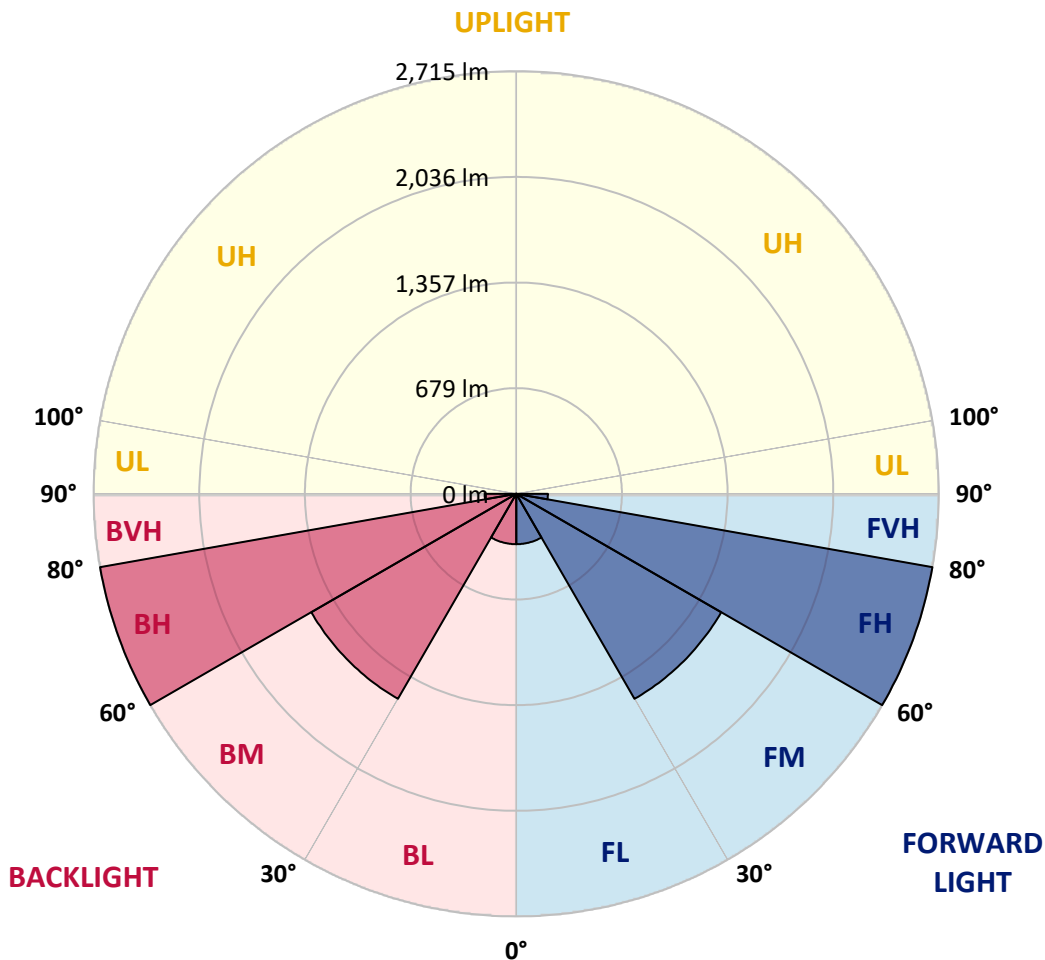


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.7	3.4			
FM (30°-60°)	1520.5	16.0			
FH (60°-80°)	2714.9	28.5			G2/5000
FVH (80°-90°)	203.3	2.1			G2/225
BL (0°-30°)	323.7	3.4	B1/500		
BM (30°-60°)	1520.5	16.0	B2/2500		
BH (60°-80°)	2714.9	28.5	B4/5000		G2/5000
BVH (80°-90°)	203.3	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°	785.8	785.8	785.8	785.8	785.8	785.8	785.8	785.8	785.8	785.8	785.8
2.5°	774.5	776.7	776.7	774.5	776.7	776.7	776.7	779.0	776.7	781.3	779.0
5°	763.1	763.1	765.4	763.1	763.1	765.4	763.1	767.7	765.4	769.9	765.4
7.5°	745.0	745.0	745.0	745.0	747.3	747.3	747.3	751.8	751.8	751.8	749.5
10°	740.5	738.2	738.2	733.7	733.7	733.7	731.4	738.2	740.5	745.0	742.8
12.5°	742.8	742.8	738.2	733.7	731.4	729.2	729.2	736.0	742.8	745.0	745.0
15°	751.8	751.8	745.0	736.0	736.0	736.0	733.7	736.0	747.3	751.8	747.3
17.5°	758.6	756.3	749.5	745.0	745.0	742.8	742.8	742.8	749.5	756.3	756.3
20°	769.9	769.9	760.9	756.3	756.3	754.1	751.8	749.5	756.3	765.4	763.1
22.5°	785.8	781.3	774.5	769.9	767.7	765.4	760.9	763.1	767.7	774.5	774.5
25°	797.1	797.1	790.3	788.0	790.3	790.3	783.5	779.0	781.3	788.0	788.0
27.5°	801.6	801.6	797.1	797.1	806.2	810.7	801.6	792.6	788.0	794.8	792.6
30°	819.7	819.7	815.2	813.0	819.7	822.0	817.5	810.7	808.4	815.2	813.0
32.5°	851.5	849.2	842.4	835.6	837.9	849.2	840.1	837.9	837.9	844.7	846.9
35°	887.7	883.2	876.4	869.6	871.8	883.2	874.1	874.1	876.4	885.4	885.4
37.5°	939.8	935.2	926.2	910.3	908.1	921.7	919.4	921.7	930.7	935.2	939.8
40°	996.4	994.1	982.8	969.2	966.9	976.0	978.3	982.8	991.9	996.4	998.6
42.5°	1077.9	1073.4	1055.3	1041.7	1039.4	1050.7	1055.3	1059.8	1071.1	1075.6	1080.2
45°	1177.5	1175.3	1154.9	1139.0	1132.3	1148.1	1148.1	1152.6	1164.0	1173.0	1173.0
47.5°	1286.2	1284.0	1268.1	1250.0	1252.3	1263.6	1261.3	1263.6	1272.6	1281.7	1288.5
50°	1408.5	1401.7	1383.6	1379.1	1390.4	1401.7	1392.7	1390.4	1404.0	1408.5	1406.3
52.5°	1542.1	1535.3	1526.3	1526.3	1553.4	1573.8	1567.0	1546.7	1546.7	1544.4	1542.1
55°	1700.6	1696.1	1693.8	1705.2	1750.5	1791.2	1766.3	1727.8	1712.0	1702.9	1707.4
57.5°	1865.9	1854.6	1875.0	1899.9	1990.5	2049.4	2010.9	1938.4	1915.8	1897.7	1888.6
60°	2033.5	2029.0	2058.4	2117.3	2246.4	2346.0	2293.9	2173.9	2133.2	2092.4	2092.4
62.5°	2196.6	2192.0	2235.1	2325.6	2529.4	2676.6	2581.5	2429.8	2350.6	2289.4	2280.4
65°	2393.6	2386.8	2434.3	2531.7	2803.5	2989.1	2869.1	2669.8	2574.7	2491.0	2479.6
67.5°	2554.4	2554.4	2617.8	2737.8	3034.4	3229.2	3079.7	2907.6	2796.7	2710.6	2701.5
70°	2708.3	2721.9	2769.5	2887.2	3211.1	3387.7	3251.8	3097.8	2998.2	2912.1	2903.1
72.5°	2774.0	2792.1	2839.7	2955.2	3288.1	3494.1	3335.6	3159.0	3052.5	2966.5	2955.2
74°	2651.7	2672.1	2742.3	2889.5	3265.4	3498.7	3331.1	3097.8	2930.3	2823.8	2823.8
75°	2513.6	2540.8	2624.6	2783.1	3217.9	3473.7	3283.5	3000.5	2767.2	2642.7	2649.5
77.5°	1938.4	1997.3	2087.9	2337.0	2887.2	3260.9	2918.9	2407.2	2033.5	1847.8	1843.3
80°	552.5	634.1	840.1	1394.9	2194.3	2597.4	2144.5	1424.4	1005.4	765.4	736.0
82.5°	133.6	156.3	215.1	394.0	937.5	1467.4	1062.1	466.5	280.8	183.4	147.2
85°	56.6	61.1	97.4	135.9	258.2	389.5	246.8	158.5	115.5	52.1	49.8
87.5°	20.4	22.6	36.2	36.2	54.3	31.7	56.6	38.5	40.8	13.6	13.6
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)