

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: P594469

Luminaire Tested: **ISS-PA1A-740-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594469
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: ISS-PA1A-740-U-5WQ
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 4000K, 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: 4255 lumens
Efficiency: N/A
Efficacy: 147.2 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

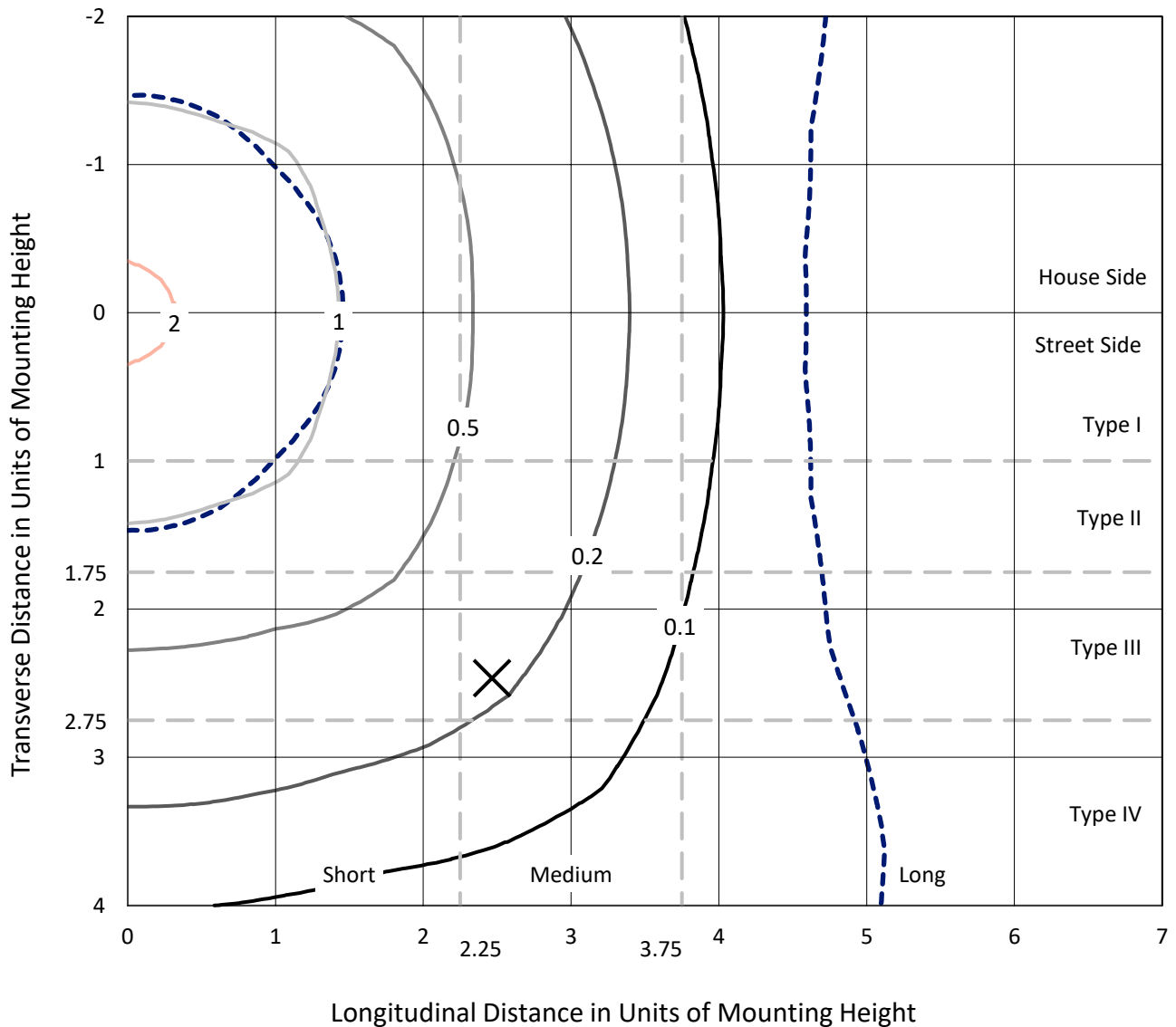
Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

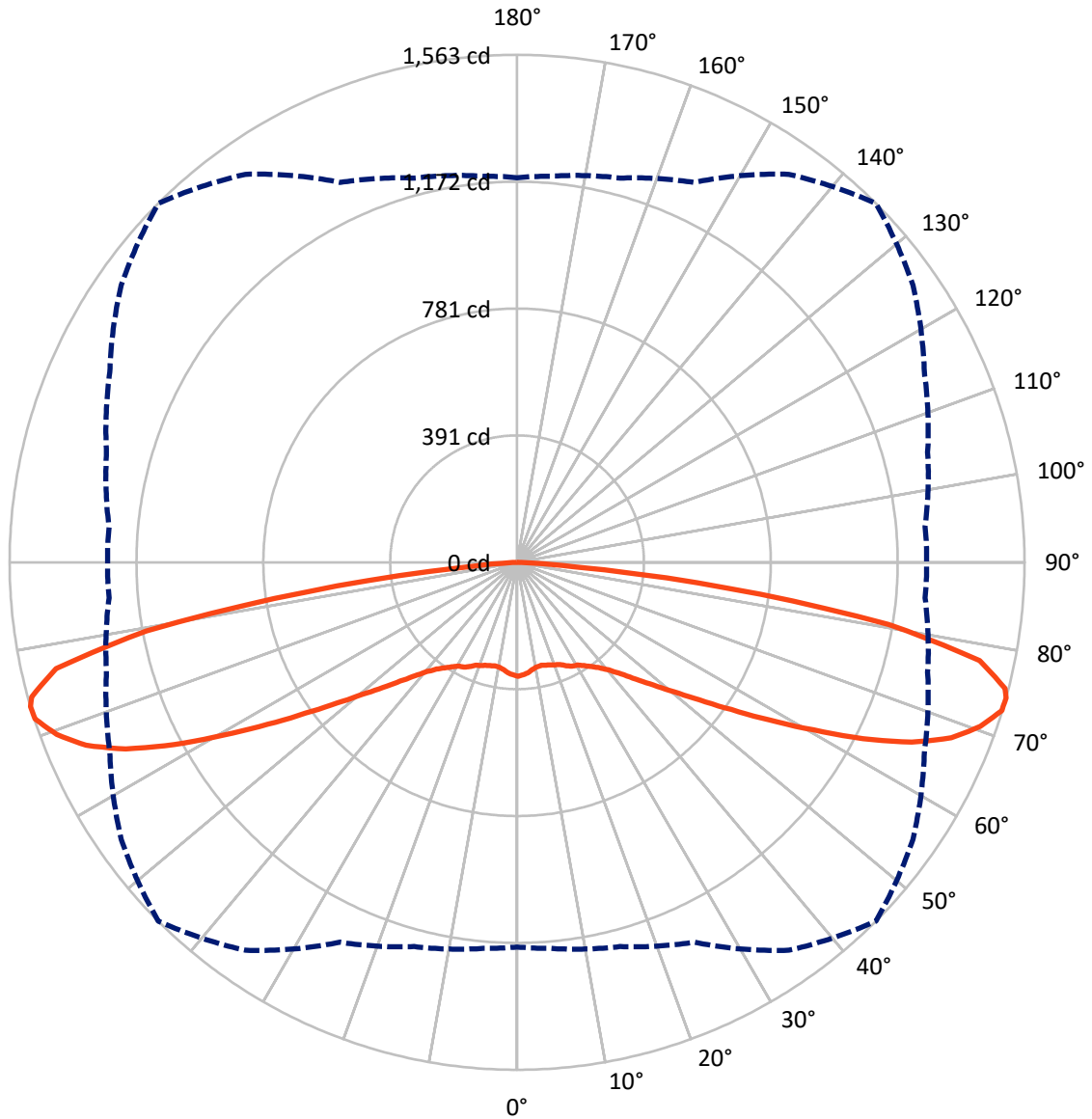
× Max cd
 - - - 1/2 Max cd



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	2127.5	0.0	2127.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2127.5	0.0	2127.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4255.0	0.0	4255.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	0.8
10°-20°	94.3	2.2
20°-30°	162.8	3.8
30°-40°	249.4	5.9
40°-50°	405.7	9.5
50°-60°	703.5	16.5
60°-70°	1165.0	27.4
70°-80°	1260.6	29.6
80°-90°	181.7	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°	4255.0	100.0
0°-180°	4255.0	100.0

Coefficient of Utilization



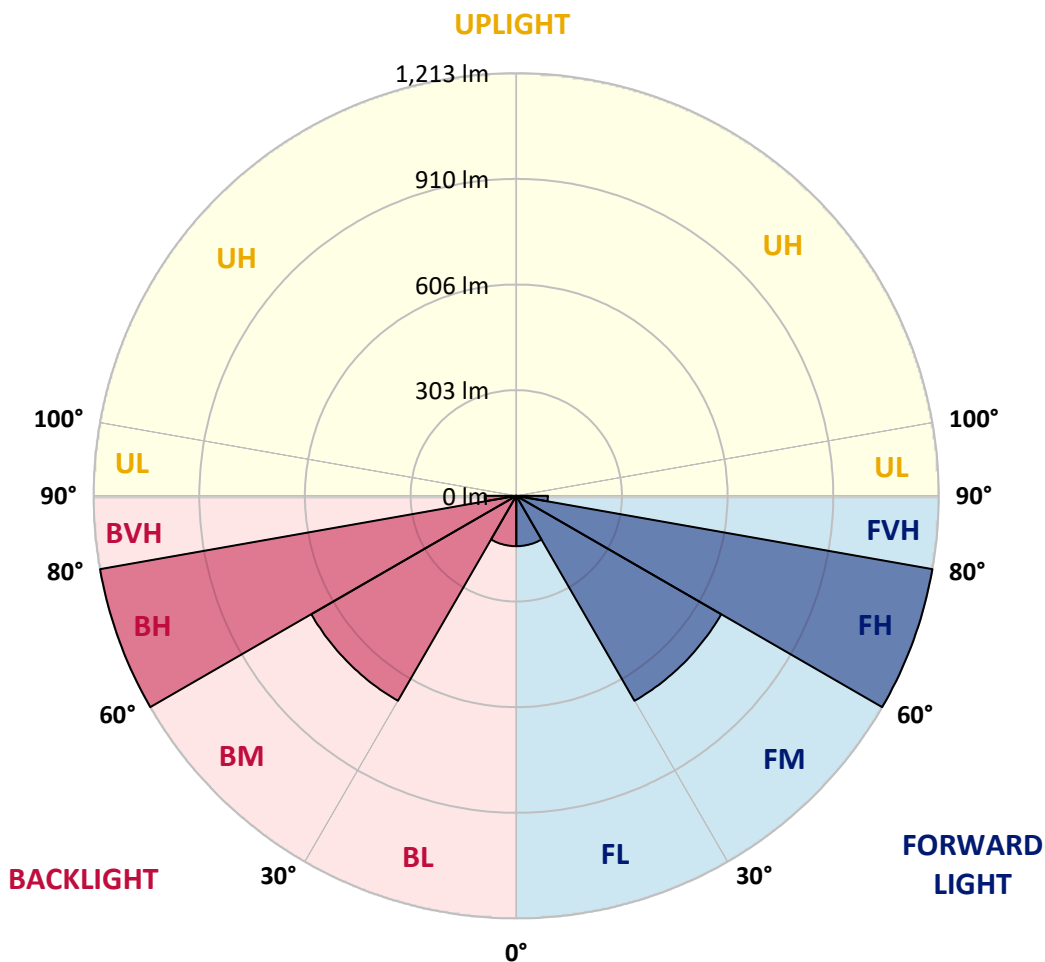
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.6	3.4			
FM (30°-60°)	679.2	16.0			
FH (60°-80°)	1212.8	28.5			G1/1800
FVH (80°-90°)	90.8	2.1			G1/100
BL (0°-30°)	144.6	3.4	B1/500		
BM (30°-60°)	679.2	16.0	B1/1000		
BH (60°-80°)	1212.8	28.5	B3/2500		G1/1800
BVH (80°-90°)	90.8	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°	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0	351.0
2.5°	346.0	347.0	347.0	346.0	347.0	347.0	347.0	348.0	347.0	349.0	348.0
5°	340.9	340.9	341.9	340.9	340.9	341.9	340.9	342.9	341.9	343.9	341.9
7.5°	332.8	332.8	332.8	332.8	333.8	333.8	333.8	335.8	335.8	335.8	334.8
10°	330.8	329.8	329.8	327.8	327.8	327.8	326.7	329.8	330.8	332.8	331.8
12.5°	331.8	331.8	329.8	327.8	326.7	325.7	325.7	328.8	331.8	332.8	332.8
15°	335.8	335.8	332.8	328.8	328.8	328.8	327.8	328.8	333.8	335.8	333.8
17.5°	338.9	337.9	334.8	332.8	332.8	331.8	331.8	331.8	334.8	337.9	337.9
20°	343.9	343.9	339.9	337.9	337.9	336.9	335.8	334.8	337.9	341.9	340.9
22.5°	351.0	349.0	346.0	343.9	342.9	341.9	339.9	340.9	342.9	346.0	346.0
25°	356.1	356.1	353.0	352.0	353.0	353.0	350.0	348.0	349.0	352.0	352.0
27.5°	358.1	358.1	356.1	356.1	360.1	362.2	358.1	354.1	352.0	355.1	354.1
30°	366.2	366.2	364.2	363.2	366.2	367.2	365.2	362.2	361.1	364.2	363.2
32.5°	380.4	379.3	376.3	373.3	374.3	379.3	375.3	374.3	374.3	377.3	378.3
35°	396.5	394.5	391.5	388.5	389.5	394.5	390.5	390.5	391.5	395.5	395.5
37.5°	419.8	417.8	413.7	406.7	405.6	411.7	410.7	411.7	415.8	417.8	419.8
40°	445.1	444.1	439.0	433.0	432.0	436.0	437.0	439.0	443.1	445.1	446.1
42.5°	481.5	479.5	471.4	465.3	464.3	469.4	471.4	473.4	478.5	480.5	482.5
45°	526.0	525.0	515.9	508.8	505.8	512.9	512.9	514.9	520.0	524.0	524.0
47.5°	574.6	573.6	566.5	558.4	559.4	564.5	563.5	564.5	568.5	572.6	575.6
50°	629.2	626.2	618.1	616.1	621.1	626.2	622.1	621.1	627.2	629.2	628.2
52.5°	688.9	685.9	681.8	681.8	694.0	703.1	700.0	690.9	690.9	689.9	688.9
55°	759.7	757.7	756.7	761.7	782.0	800.2	789.0	771.8	764.8	760.7	762.7
57.5°	833.6	828.5	837.6	848.7	889.2	915.5	898.3	865.9	855.8	847.7	843.7
60°	908.4	906.4	919.5	945.8	1003.5	1048.0	1024.7	971.1	952.9	934.7	934.7
62.5°	981.2	979.2	998.4	1038.9	1130.0	1195.7	1153.2	1085.4	1050.0	1022.7	1018.7
65°	1069.3	1066.2	1087.5	1131.0	1252.4	1335.3	1281.7	1192.7	1150.2	1112.8	1107.7
67.5°	1141.1	1141.1	1169.4	1223.0	1355.5	1442.5	1375.8	1298.9	1249.3	1210.9	1206.8
70°	1209.9	1215.9	1237.2	1289.8	1434.4	1513.3	1452.7	1383.9	1339.4	1300.9	1296.9
72.5°	1239.2	1247.3	1268.5	1320.1	1468.8	1560.9	1490.1	1411.2	1363.6	1325.2	1320.1
74°	1184.6	1193.7	1225.0	1290.8	1458.7	1562.9	1488.1	1383.9	1309.0	1261.5	1261.5
75°	1122.9	1135.0	1172.4	1243.3	1437.5	1551.8	1466.8	1340.4	1236.2	1180.5	1183.6
77.5°	865.9	892.2	932.7	1044.0	1289.8	1456.7	1303.9	1075.3	908.4	825.5	823.4
80°	246.8	283.2	375.3	623.1	980.2	1160.3	958.0	636.3	449.1	341.9	328.8
82.5°	59.7	69.8	96.1	176.0	418.8	655.5	474.4	208.4	125.4	81.9	65.8
85°	25.3	27.3	43.5	60.7	115.3	174.0	110.3	70.8	51.6	23.3	22.3
87.5°	9.1	10.1	16.2	16.2	24.3	14.2	25.3	17.2	18.2	6.1	6.1
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)