

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: P594793

Luminaire Tested: **ISS-PA1E-735-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594793
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-PA1E-735-U-5WQ
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3500K, 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: 9892 lumens
Efficiency: N/A
Efficacy: 120.0 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

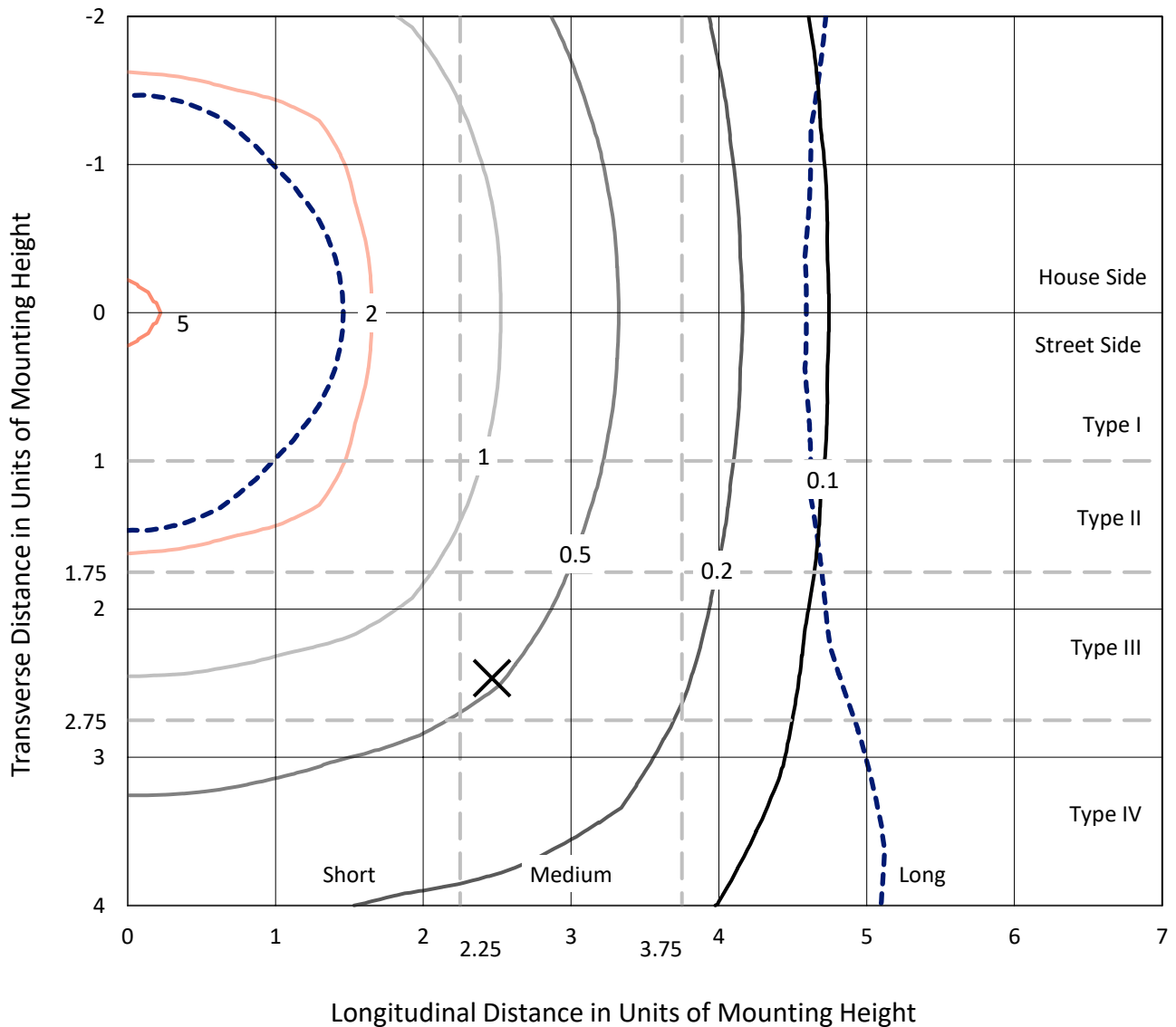
Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P594793
 CATALOG NUMBER: ISS-PA1E-735-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

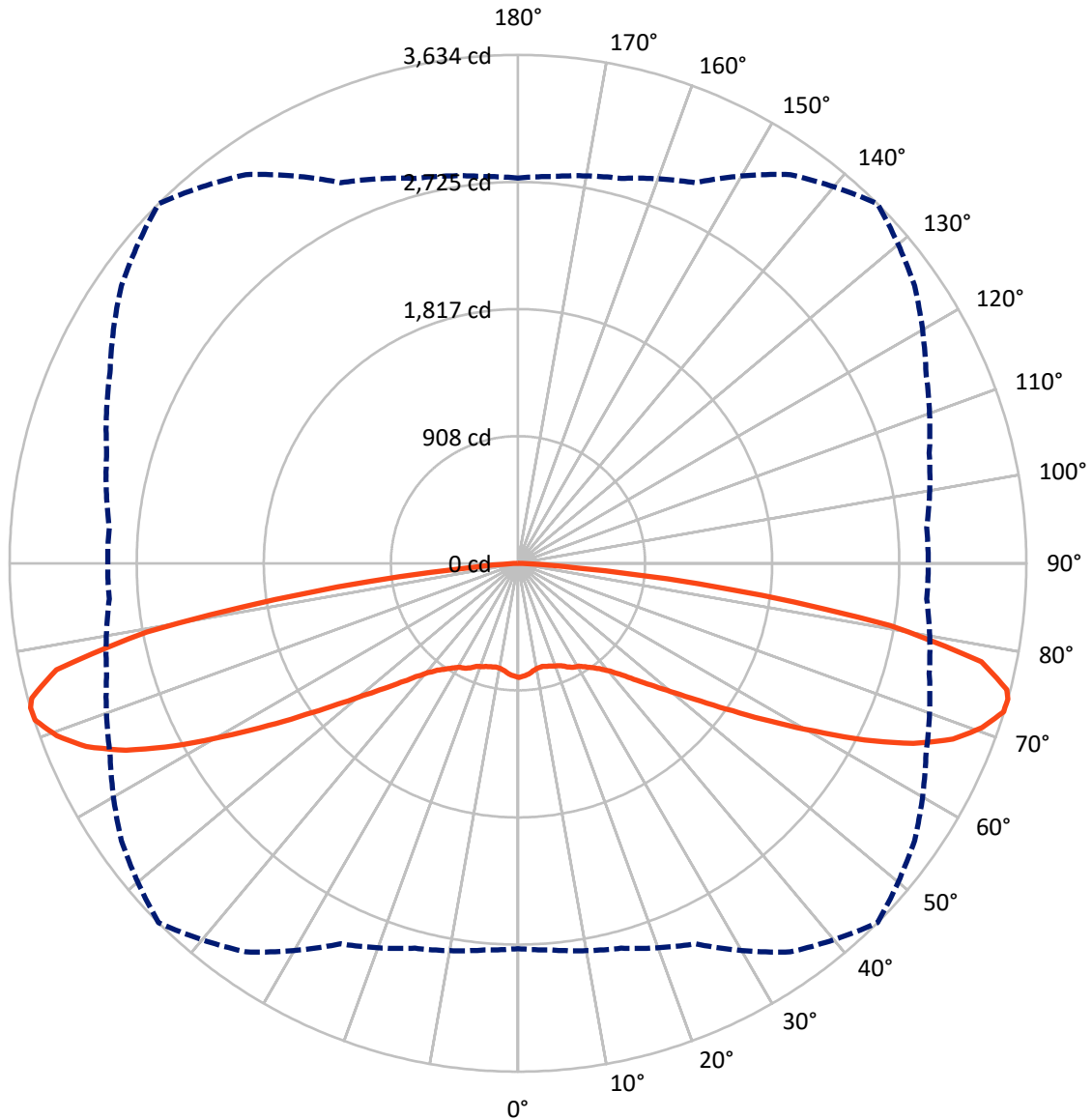
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Medium - N/A

REPORT NUMBER: P594793
CATALOG NUMBER: ISS-PA1E-735-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

REPORT NUMBER: P594793
 CATALOG NUMBER: ISS-PA1E-735-U-5WQ

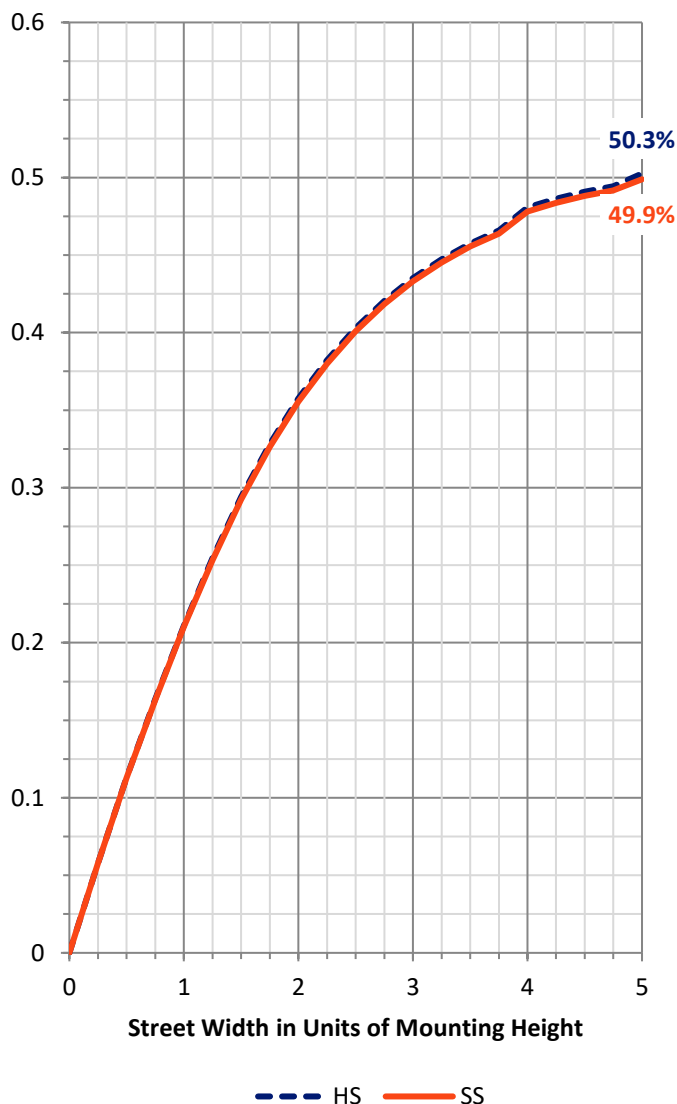
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4946.0	0.0	4946.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4946.0	0.0	4946.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9892.0	0.0	9892.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	0.8
10°-20°	219.1	2.2
20°-30°	378.5	3.8
30°-40°	579.7	5.9
40°-50°	943.1	9.5
50°-60°	1635.4	16.5
60°-70°	2708.5	27.4
70°-80°	2930.6	29.6
80°-90°	422.3	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°	9892.0	100.0
0°-180°	9892.0	100.0

Coefficient of Utilization



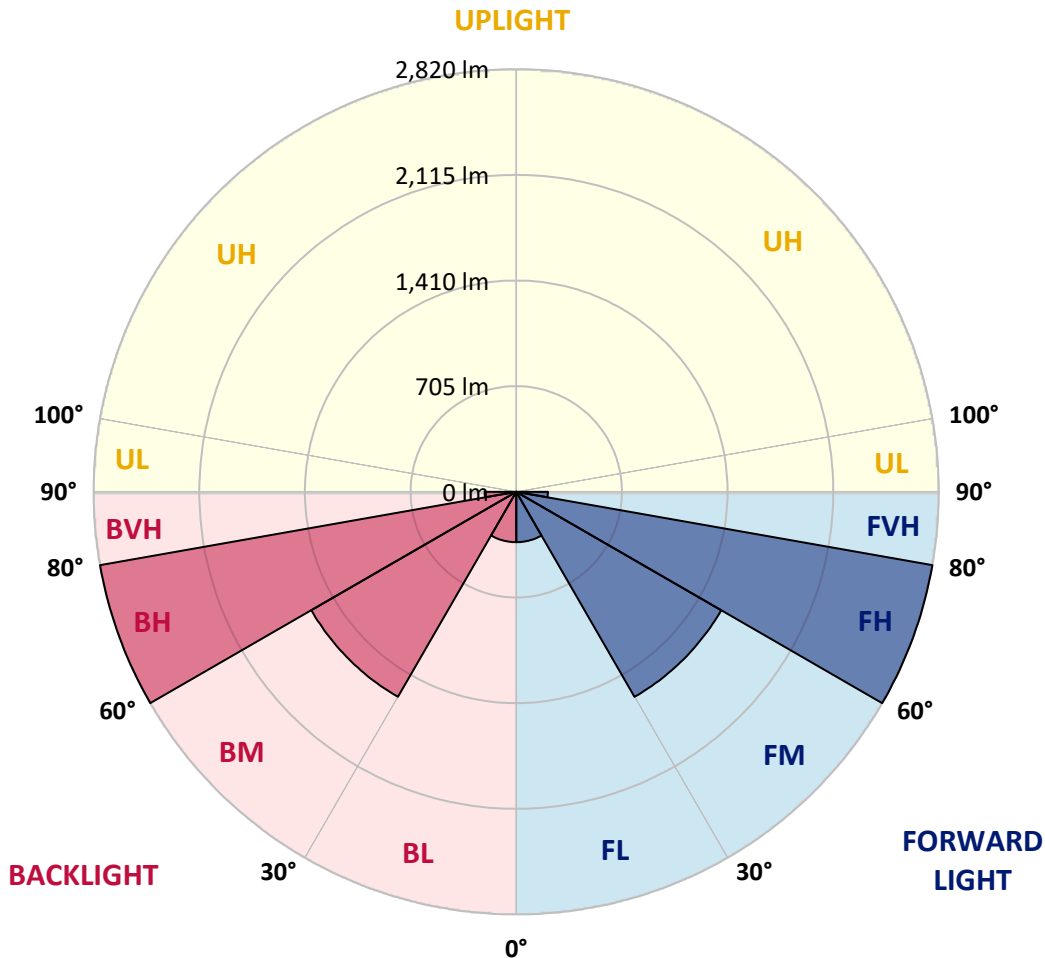
REPORT NUMBER: P594793
 CATALOG NUMBER: ISS-PA1E-735-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.2	3.4			
FM (30°-60°)	1579.1	16.0			
FH (60°-80°)	2819.5	28.5			G2/5000
FVH (80°-90°)	211.2	2.1			G2/225
BL (0°-30°)	336.2	3.4	B1/500		
BM (30°-60°)	1579.1	16.0	B2/2500		
BH (60°-80°)	2819.5	28.5	B4/5000		G2/5000
BVH (80°-90°)	211.2	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





REPORT NUMBER: P594793
 CATALOG NUMBER: ISS-PA1E-735-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	816.1	816.1	816.1	816.1	816.1	816.1	816.1	816.1	816.1	816.1	816.1
2.5°	804.3	806.7	806.7	804.3	806.7	806.7	806.7	809.0	806.7	811.4	809.0
5°	792.5	792.5	794.9	792.5	792.5	792.5	792.5	797.2	794.9	799.6	794.9
7.5°	773.7	773.7	773.7	773.7	776.1	776.1	776.1	780.8	780.8	780.8	778.4
10°	769.0	766.7	766.7	762.0	762.0	762.0	759.6	766.7	769.0	773.7	771.4
12.5°	771.4	771.4	766.7	762.0	759.6	757.3	757.3	764.3	771.4	773.7	773.7
15°	780.8	780.8	773.7	764.3	764.3	764.3	762.0	764.3	776.1	780.8	776.1
17.5°	787.8	785.5	778.4	773.7	773.7	773.7	771.4	771.4	778.4	785.5	785.5
20°	799.6	799.6	790.2	785.5	785.5	783.1	780.8	778.4	785.5	794.9	792.5
22.5°	816.1	811.4	804.3	799.6	797.2	794.9	790.2	792.5	797.2	804.3	804.3
25°	827.8	827.8	820.8	818.4	820.8	820.8	813.7	809.0	811.4	818.4	818.4
27.5°	832.5	832.5	827.8	827.8	837.2	841.9	832.5	823.1	818.4	825.5	823.1
30°	851.3	851.3	846.6	844.3	851.3	853.7	849.0	841.9	839.6	846.6	844.3
32.5°	884.3	881.9	874.9	867.8	870.1	881.9	872.5	870.1	870.1	877.2	879.6
35°	921.9	917.2	910.1	903.1	905.4	917.2	907.8	907.8	910.1	919.5	919.5
37.5°	976.0	971.3	961.9	945.4	943.1	957.2	954.8	957.2	966.6	971.3	976.0
40°	1034.8	1032.4	1020.7	1006.6	1004.2	1013.6	1016.0	1020.7	1030.1	1034.8	1037.1
42.5°	1119.4	1114.7	1095.9	1081.8	1079.5	1091.2	1095.9	1100.6	1112.4	1117.1	1121.8
45°	1222.9	1220.6	1199.4	1182.9	1175.9	1192.3	1192.3	1197.0	1208.8	1218.2	1218.2
47.5°	1335.8	1333.4	1317.0	1298.2	1300.5	1312.3	1309.9	1312.3	1321.7	1331.1	1338.1
50°	1462.8	1455.7	1436.9	1432.2	1444.0	1455.7	1446.3	1444.0	1458.1	1462.8	1460.4
52.5°	1601.5	1594.5	1585.1	1585.1	1613.3	1634.5	1627.4	1606.2	1606.2	1603.9	1601.5
55°	1766.2	1761.5	1759.1	1770.9	1817.9	1860.2	1834.4	1794.4	1777.9	1768.5	1773.2
57.5°	1937.8	1926.1	1947.3	1973.1	2067.2	2128.3	2088.4	2013.1	1989.6	1970.8	1961.4
60°	2111.9	2107.2	2137.7	2198.9	2332.9	2436.4	2382.3	2257.7	2215.4	2173.0	2173.0
62.5°	2281.2	2276.5	2321.2	2415.2	2626.9	2779.8	2681.0	2523.4	2441.1	2377.6	2368.2
65°	2485.8	2478.7	2528.1	2629.3	2911.5	3104.3	2979.7	2772.7	2673.9	2586.9	2575.2
67.5°	2652.8	2652.8	2718.6	2843.3	3151.3	3353.6	3198.4	3019.7	2904.4	2815.0	2805.6
70°	2812.7	2826.8	2876.2	2998.5	3334.8	3518.2	3377.1	3217.2	3113.7	3024.4	3014.9
72.5°	2880.9	2899.7	2949.1	3069.0	3414.7	3628.8	3464.1	3280.7	3170.2	3080.8	3069.0
74°	2753.9	2775.1	2848.0	3000.8	3391.2	3633.5	3459.4	3217.2	3043.2	2932.6	2932.6
75°	2610.4	2638.7	2725.7	2890.3	3341.8	3607.6	3410.0	3116.1	2873.8	2744.5	2751.6
77.5°	2013.1	2074.2	2168.3	2427.0	2998.5	3386.5	3031.4	2499.9	2111.9	1919.0	1914.3
80°	573.8	658.5	872.5	1448.7	2278.8	2697.5	2227.1	1479.3	1044.2	794.9	764.3
82.5°	138.8	162.3	223.4	409.2	973.6	1523.9	1103.0	484.5	291.6	190.5	152.9
85°	58.8	63.5	101.1	141.1	268.1	404.5	256.3	164.6	119.9	54.1	51.7
87.5°	21.2	23.5	37.6	37.6	56.4	32.9	58.8	40.0	42.3	14.1	14.1
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)