

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: P594460

Luminaire Tested: **ISS-PA1A-735-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594460
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-735-U-5WQ
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3500K, 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: 3964 lumens
Efficiency: N/A
Efficacy: 137.2 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

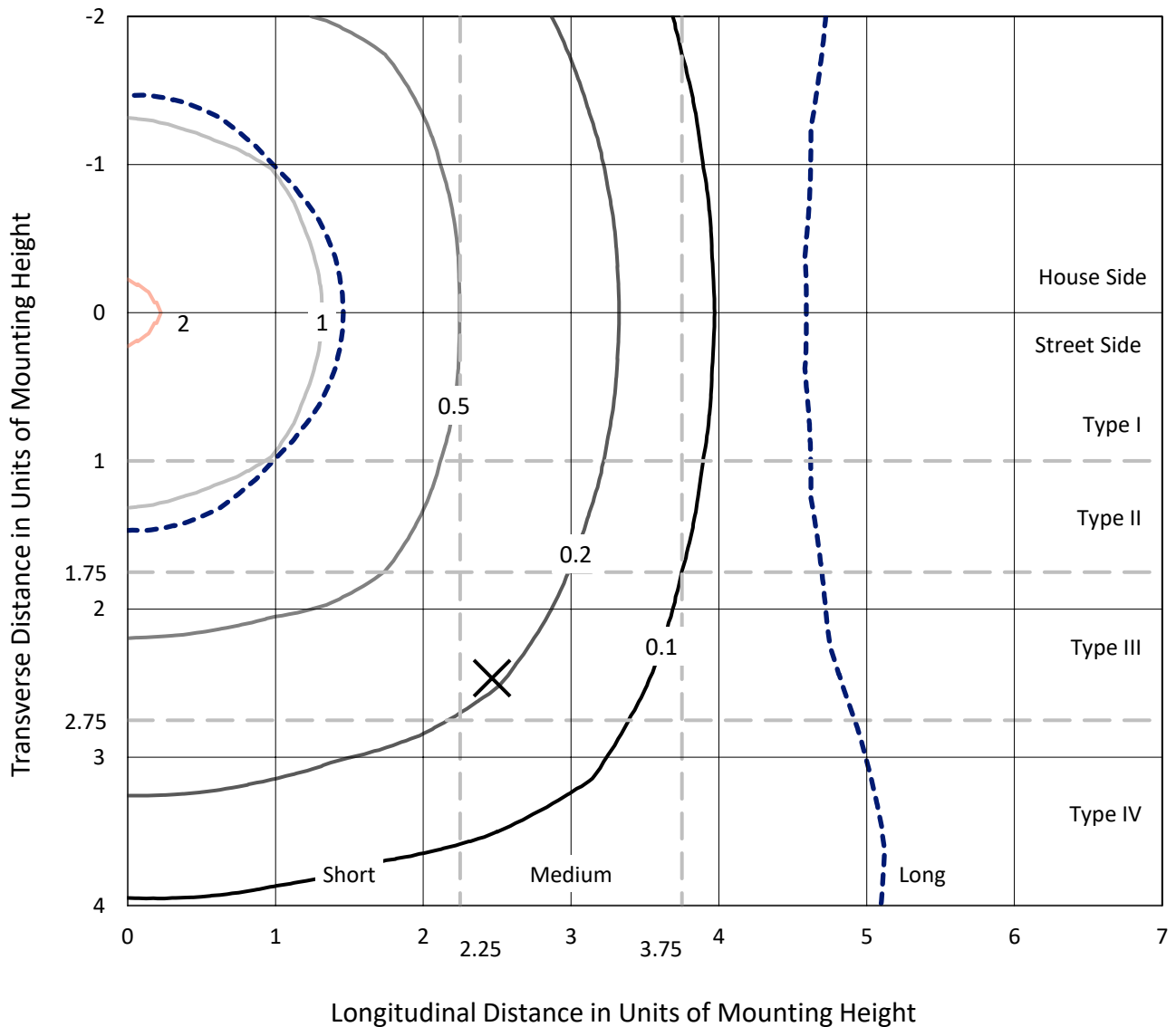
Input Watts (W): 28.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P594460
 CATALOG NUMBER: ISS-PA1A-735-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

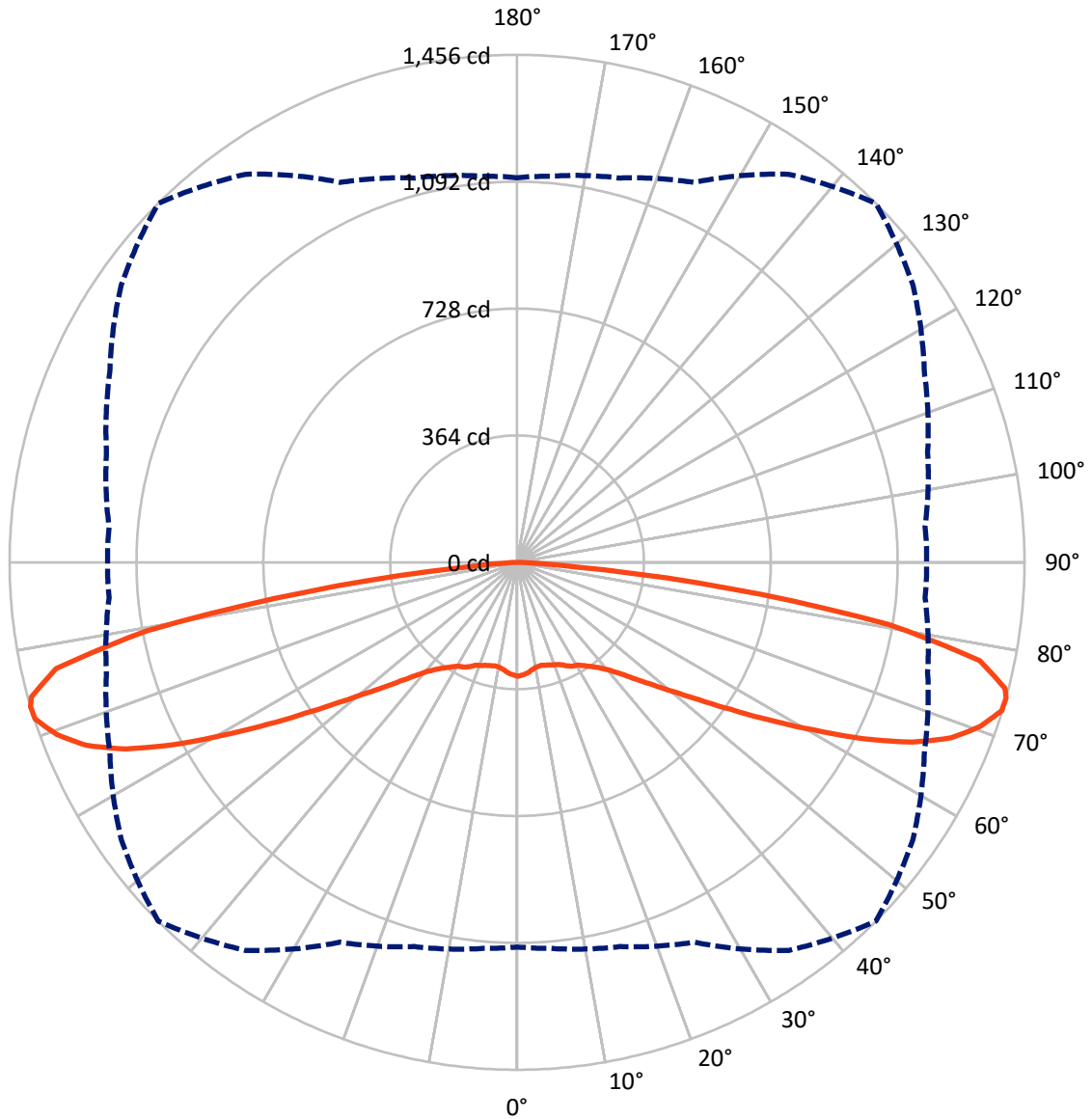
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Medium - N/A

REPORT NUMBER: P594460
CATALOG NUMBER: ISS-PA1A-735-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P594460
 CATALOG NUMBER: ISS-PA1A-735-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1982.0	0.0	1982.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1982.0	0.0	1982.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3964.0	0.0	3964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	0.8
10°-20°	87.8	2.2
20°-30°	151.7	3.8
30°-40°	232.3	5.9
40°-50°	377.9	9.5
50°-60°	655.4	16.5
60°-70°	1085.4	27.4
70°-80°	1174.4	29.6
80°-90°	169.2	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°	3964.0	100.0
0°-180°	3964.0	100.0

Coefficient of Utilization



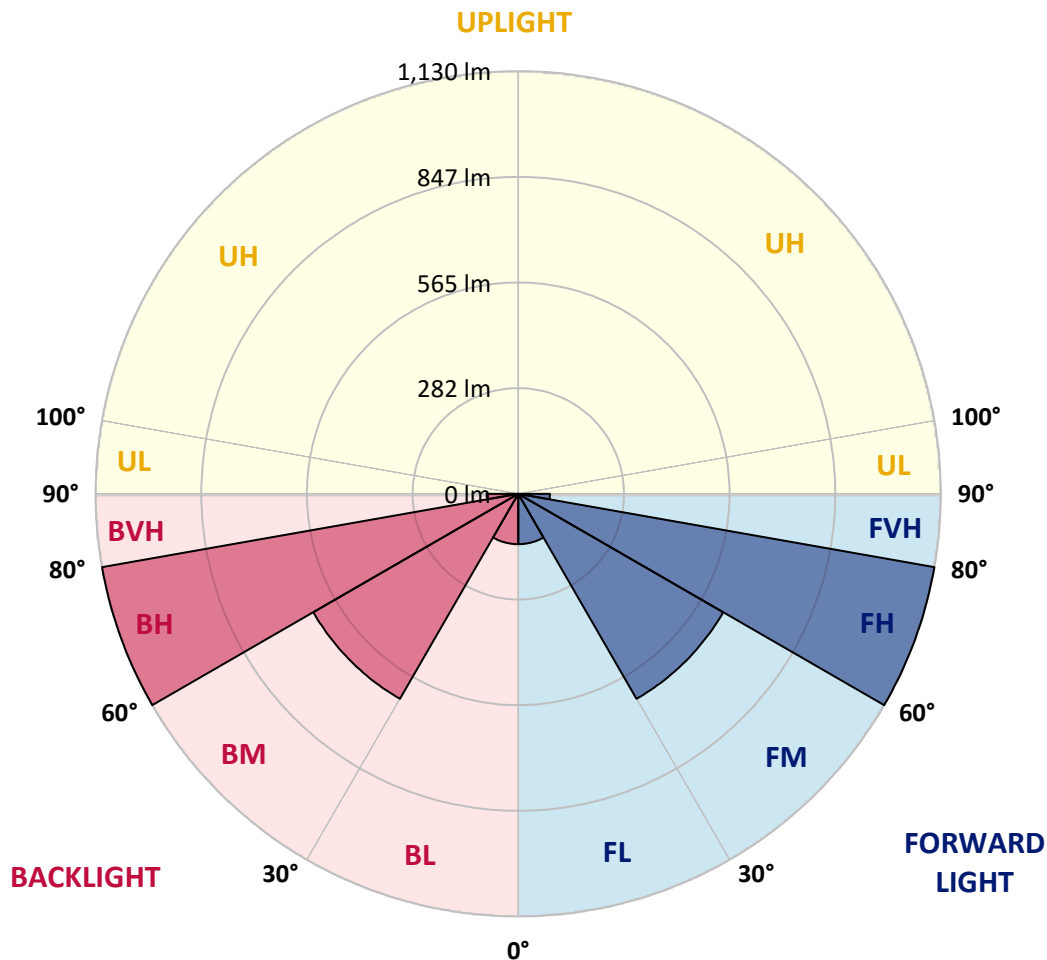
REPORT NUMBER: P594460
 CATALOG NUMBER: ISS-PA1A-735-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.7	3.4			
FM (30°-60°)	632.8	16.0			
FH (60°-80°)	1129.9	28.5			G1/1800
FVH (80°-90°)	84.6	2.1			G1/100
BL (0°-30°)	134.7	3.4	B1/500		
BM (30°-60°)	632.8	16.0	B1/1000		
BH (60°-80°)	1129.9	28.5	B3/2500		G1/1800
BVH (80°-90°)	84.6	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





REPORT NUMBER: P594460
 CATALOG NUMBER: ISS-PA1A-735-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0
2.5°	322.3	323.2	323.2	322.3	323.2	323.2	323.2	324.2	323.2	325.1	324.2
5°	317.6	317.6	318.5	317.6	317.6	317.6	317.6	319.5	318.5	320.4	318.5
7.5°	310.1	310.1	310.1	310.1	311.0	311.0	311.0	312.9	312.9	312.9	311.9
10°	308.2	307.2	307.2	305.3	305.3	305.3	304.4	307.2	308.2	310.1	309.1
12.5°	309.1	309.1	307.2	305.3	304.4	303.5	303.5	306.3	309.1	310.1	310.1
15°	312.9	312.9	310.1	306.3	306.3	306.3	305.3	306.3	311.0	312.9	311.0
17.5°	315.7	314.8	311.9	310.1	310.1	309.1	309.1	309.1	311.9	314.8	314.8
20°	320.4	320.4	316.7	314.8	314.8	313.8	312.9	311.9	314.8	318.5	317.6
22.5°	327.0	325.1	322.3	320.4	319.5	318.5	316.7	317.6	319.5	322.3	322.3
25°	331.7	331.7	328.9	328.0	328.9	328.9	326.1	324.2	325.1	328.0	328.0
27.5°	333.6	333.6	331.7	331.7	335.5	337.4	333.6	329.8	328.0	330.8	329.8
30°	341.2	341.2	339.3	338.3	341.2	342.1	340.2	337.4	336.4	339.3	338.3
32.5°	354.3	353.4	350.6	347.8	348.7	353.4	349.6	348.7	348.7	351.5	352.5
35°	369.4	367.5	364.7	361.9	362.8	367.5	363.8	363.8	364.7	368.5	368.5
37.5°	391.1	389.2	385.4	378.8	377.9	383.6	382.6	383.6	387.3	389.2	391.1
40°	414.7	413.7	409.0	403.4	402.4	406.2	407.1	409.0	412.8	414.7	415.6
42.5°	448.6	446.7	439.2	433.5	432.6	437.3	439.2	441.0	445.8	447.6	449.5
45°	490.1	489.1	480.6	474.0	471.2	477.8	477.8	479.7	484.4	488.2	488.2
47.5°	535.3	534.3	527.8	520.2	521.2	525.9	524.9	525.9	529.6	533.4	536.2
50°	586.2	583.4	575.8	573.9	578.6	583.4	579.6	578.6	584.3	586.2	585.2
52.5°	641.8	639.0	635.2	635.2	646.5	655.0	652.1	643.7	643.7	642.7	641.8
55°	707.8	705.9	704.9	709.6	728.5	745.4	735.1	719.1	712.5	708.7	710.6
57.5°	776.5	771.8	780.3	790.7	828.4	852.9	836.9	806.7	797.3	789.7	786.0
60°	846.3	844.4	856.7	881.2	934.9	976.3	954.7	904.7	887.8	870.8	870.8
62.5°	914.1	912.3	930.2	967.9	1052.7	1113.9	1074.4	1011.2	978.2	952.8	949.0
65°	996.1	993.3	1013.1	1053.6	1166.7	1244.0	1194.0	1111.1	1071.5	1036.7	1031.9
67.5°	1063.0	1063.0	1089.4	1139.4	1262.8	1343.9	1281.7	1210.1	1163.9	1128.1	1124.3
70°	1127.1	1132.8	1152.6	1201.6	1336.3	1409.8	1353.3	1289.2	1247.8	1211.9	1208.2
72.5°	1154.5	1162.0	1181.8	1229.8	1368.4	1454.1	1388.2	1314.7	1270.4	1234.6	1229.8
74°	1103.6	1112.0	1141.3	1202.5	1359.0	1456.0	1386.3	1289.2	1219.5	1175.2	1175.2
75°	1046.1	1057.4	1092.3	1158.2	1339.2	1445.7	1366.5	1248.7	1151.6	1099.8	1102.6
77.5°	806.7	831.2	868.9	972.6	1201.6	1357.1	1214.8	1001.8	846.3	769.0	767.1
80°	229.9	263.9	349.6	580.5	913.2	1080.9	892.5	592.8	418.4	318.5	306.3
82.5°	55.6	65.0	89.5	164.0	390.2	610.7	442.0	194.1	116.9	76.3	61.3
85°	23.6	25.4	40.5	56.5	107.4	162.1	102.7	66.0	48.1	21.7	20.7
87.5°	8.5	9.4	15.1	15.1	22.6	13.2	23.6	16.0	17.0	5.7	5.7
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)