

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: P594874

Luminaire Tested: **ISS-PA1F-735-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594874
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-PA1F-735-U-5WQ
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3500K, 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: 10841 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B4 - U0 - G3

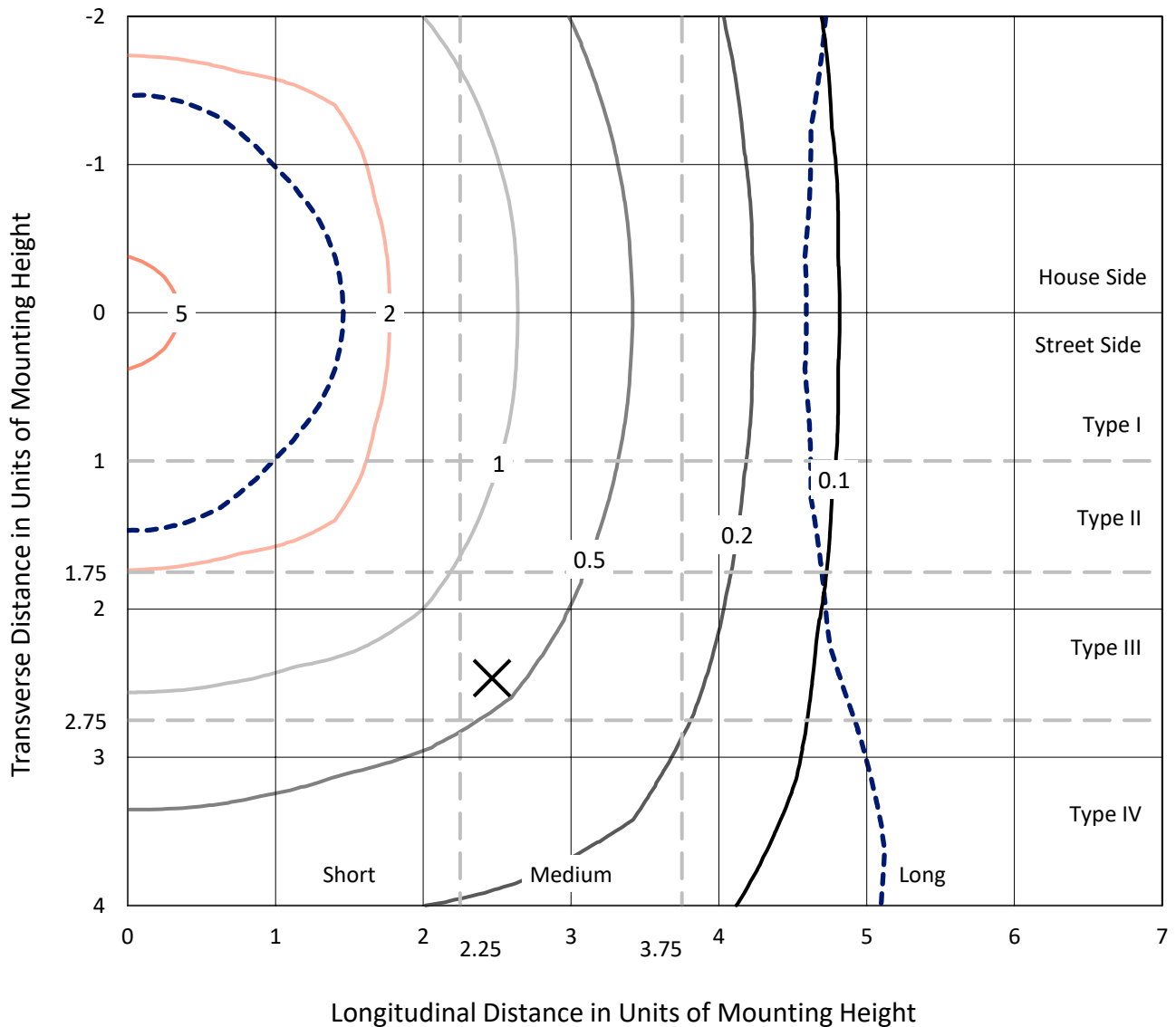
Input Watts (W): 94.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P594874
 CATALOG NUMBER: ISS-PA1F-735-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

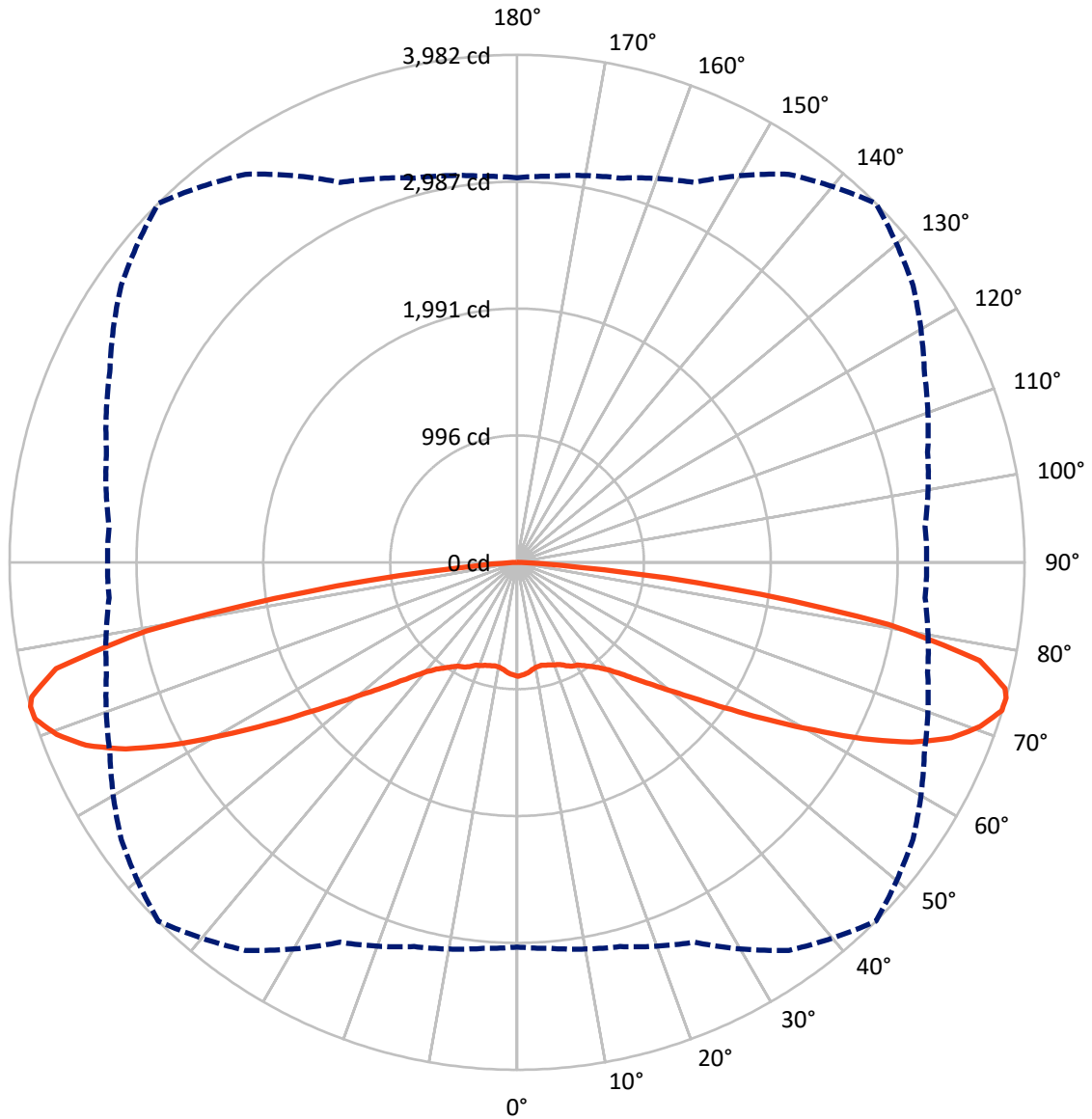
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Medium - N/A

REPORT NUMBER: P594874
CATALOG NUMBER: ISS-PA1F-735-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P594874
 CATALOG NUMBER: ISS-PA1F-735-U-5WQ

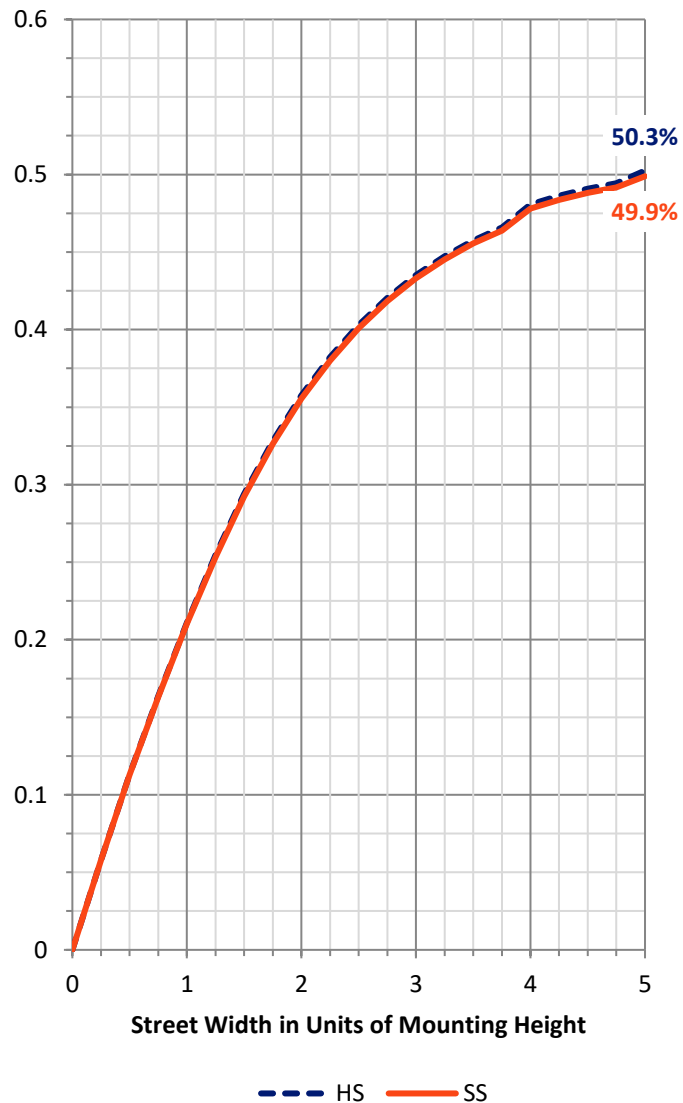
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5420.5	0.0	5420.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5420.5	0.0	5420.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10841.0	0.0	10841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	0.8
10°-20°	240.2	2.2
20°-30°	414.8	3.8
30°-40°	635.3	5.9
40°-50°	1033.5	9.5
50°-60°	1792.3	16.5
60°-70°	2968.3	27.4
70°-80°	3211.7	29.6
80°-90°	462.8	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°	10841.0	100.0
0°-180°	10841.0	100.0

Coefficient of Utilization



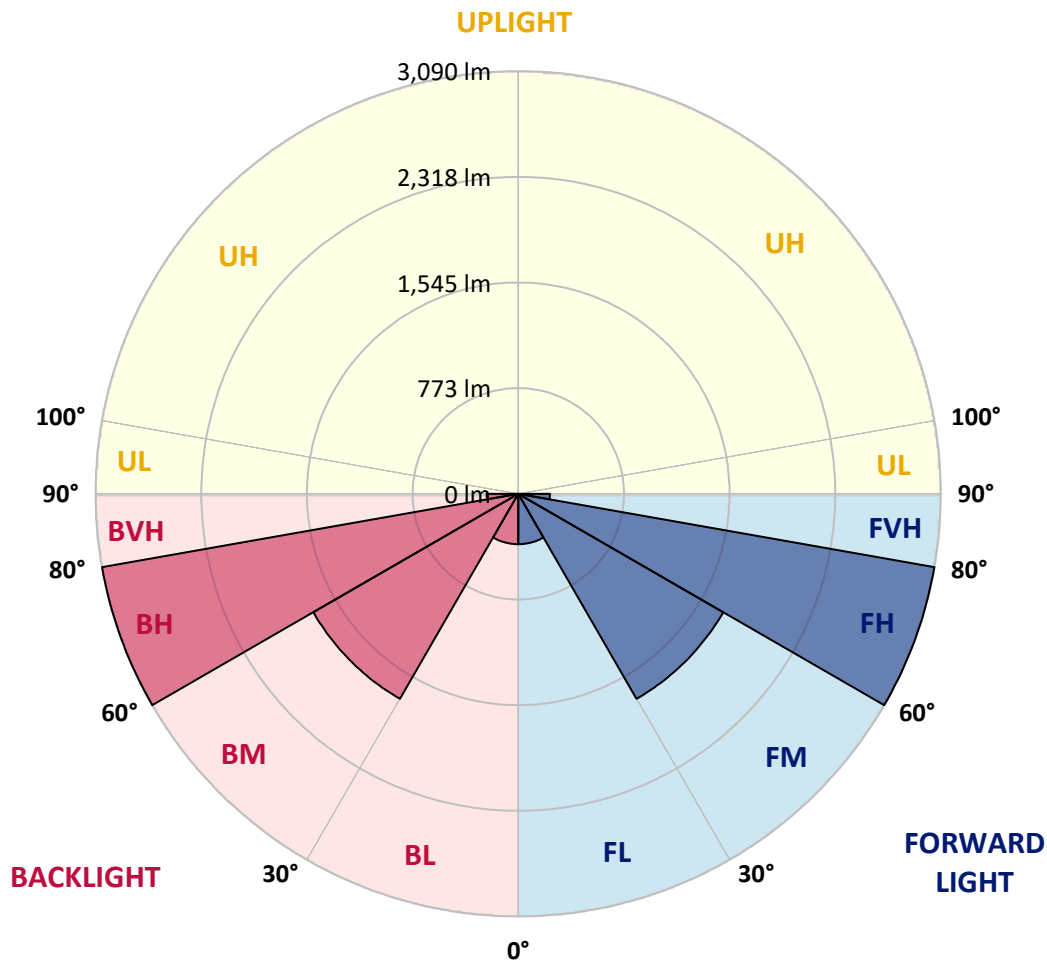
REPORT NUMBER: P594874
 CATALOG NUMBER: ISS-PA1F-735-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.5	3.4			
FM (30°-60°)	1730.6	16.0			
FH (60°-80°)	3090.0	28.5			G2/5000
FVH (80°-90°)	231.4	2.1			G3/500
BL (0°-30°)	368.5	3.4	B1/500		
BM (30°-60°)	1730.6	16.0	B2/2500		
BH (60°-80°)	3090.0	28.5	B4/5000		G2/5000
BVH (80°-90°)	231.4	2.1			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Medium





REPORT NUMBER: P594874
 CATALOG NUMBER: ISS-PA1F-735-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3
2.5°	881.5	884.0	884.0	881.5	884.0	884.0	884.0	886.6	884.0	889.2	886.6
5°	868.6	868.6	871.2	868.6	868.6	871.2	868.6	873.7	871.2	876.3	871.2
7.5°	848.0	848.0	848.0	848.0	850.5	850.5	850.5	855.7	855.7	855.7	853.1
10°	842.8	840.2	840.2	835.1	835.1	835.1	832.5	840.2	842.8	848.0	845.4
12.5°	845.4	845.4	840.2	835.1	832.5	829.9	829.9	837.6	845.4	848.0	848.0
15°	855.7	855.7	848.0	837.6	837.6	837.6	835.1	837.6	850.5	855.7	850.5
17.5°	863.4	860.8	853.1	848.0	848.0	845.4	845.4	845.4	853.1	860.8	860.8
20°	876.3	876.3	866.0	860.8	860.8	858.3	855.7	853.1	860.8	871.2	868.6
22.5°	894.3	889.2	881.5	876.3	873.7	871.2	866.0	868.6	873.7	881.5	881.5
25°	907.2	907.2	899.5	896.9	899.5	899.5	891.8	886.6	889.2	896.9	896.9
27.5°	912.4	912.4	907.2	907.2	917.5	922.7	912.4	902.1	896.9	904.7	902.1
30°	933.0	933.0	927.9	925.3	933.0	935.6	930.4	922.7	920.1	927.9	925.3
32.5°	969.1	966.5	958.8	951.0	953.6	966.5	956.2	953.6	953.6	961.4	963.9
35°	1010.3	1005.2	997.4	989.7	992.3	1005.2	994.9	994.9	997.4	1007.8	1007.8
37.5°	1069.6	1064.5	1054.1	1036.1	1033.5	1049.0	1046.4	1049.0	1059.3	1064.5	1069.6
40°	1134.0	1131.5	1118.6	1103.1	1100.5	1110.8	1113.4	1118.6	1128.9	1134.0	1136.6
42.5°	1226.8	1221.7	1201.1	1185.6	1183.0	1195.9	1201.1	1206.2	1219.1	1224.3	1229.4
45°	1340.2	1337.7	1314.5	1296.4	1288.7	1306.7	1306.7	1311.9	1324.8	1335.1	1335.1
47.5°	1463.9	1461.4	1443.3	1422.7	1425.3	1438.2	1435.6	1438.2	1448.5	1458.8	1466.5
50°	1603.1	1595.4	1574.8	1569.6	1582.5	1595.4	1585.1	1582.5	1598.0	1603.1	1600.5
52.5°	1755.2	1747.5	1737.1	1737.1	1768.1	1791.3	1783.5	1760.3	1760.3	1757.8	1755.2
55°	1935.6	1930.5	1927.9	1940.8	1992.3	2038.7	2010.3	1966.5	1948.5	1938.2	1943.3
57.5°	2123.8	2110.9	2134.1	2162.4	2265.5	2332.5	2288.7	2206.2	2180.5	2159.8	2149.5
60°	2314.5	2309.3	2342.8	2409.8	2556.8	2670.2	2610.9	2474.3	2427.9	2381.5	2381.5
62.5°	2500.0	2494.9	2543.9	2647.0	2878.9	3046.5	2938.2	2765.5	2675.3	2605.7	2595.4
65°	2724.3	2716.5	2770.7	2881.5	3190.8	3402.1	3265.5	3038.7	2930.5	2835.1	2822.2
67.5°	2907.3	2907.3	2979.4	3116.0	3453.7	3675.3	3505.2	3309.3	3183.1	3085.1	3074.8
70°	3082.5	3098.0	3152.1	3286.1	3654.7	3855.7	3701.1	3525.8	3412.4	3314.5	3304.2
72.5°	3157.3	3177.9	3232.0	3363.5	3742.3	3976.9	3796.5	3595.4	3474.3	3376.4	3363.5
74°	3018.1	3041.3	3121.2	3288.7	3716.6	3982.0	3791.3	3525.8	3335.1	3214.0	3214.0
75°	2860.9	2891.8	2987.2	3167.6	3662.4	3953.7	3737.2	3415.0	3149.5	3007.8	3015.5
77.5°	2206.2	2273.2	2376.3	2659.8	3286.1	3711.4	3322.2	2739.7	2314.5	2103.1	2098.0
80°	628.9	721.7	956.2	1587.7	2497.5	2956.2	2440.8	1621.2	1144.4	871.2	837.6
82.5°	152.1	177.8	244.9	448.5	1067.0	1670.1	1208.8	530.9	319.6	208.8	167.5
85°	64.4	69.6	110.8	154.6	293.8	443.3	280.9	180.4	131.4	59.3	56.7
87.5°	23.2	25.8	41.2	41.2	61.9	36.1	64.4	43.8	46.4	15.5	15.5
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)