

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: P594442

Luminaire Tested: **ISS-PA1A-727-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594442
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-727-U-5WQ
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 2700K, 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: 3558 lumens
Efficiency: N/A
Efficacy: 123.1 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

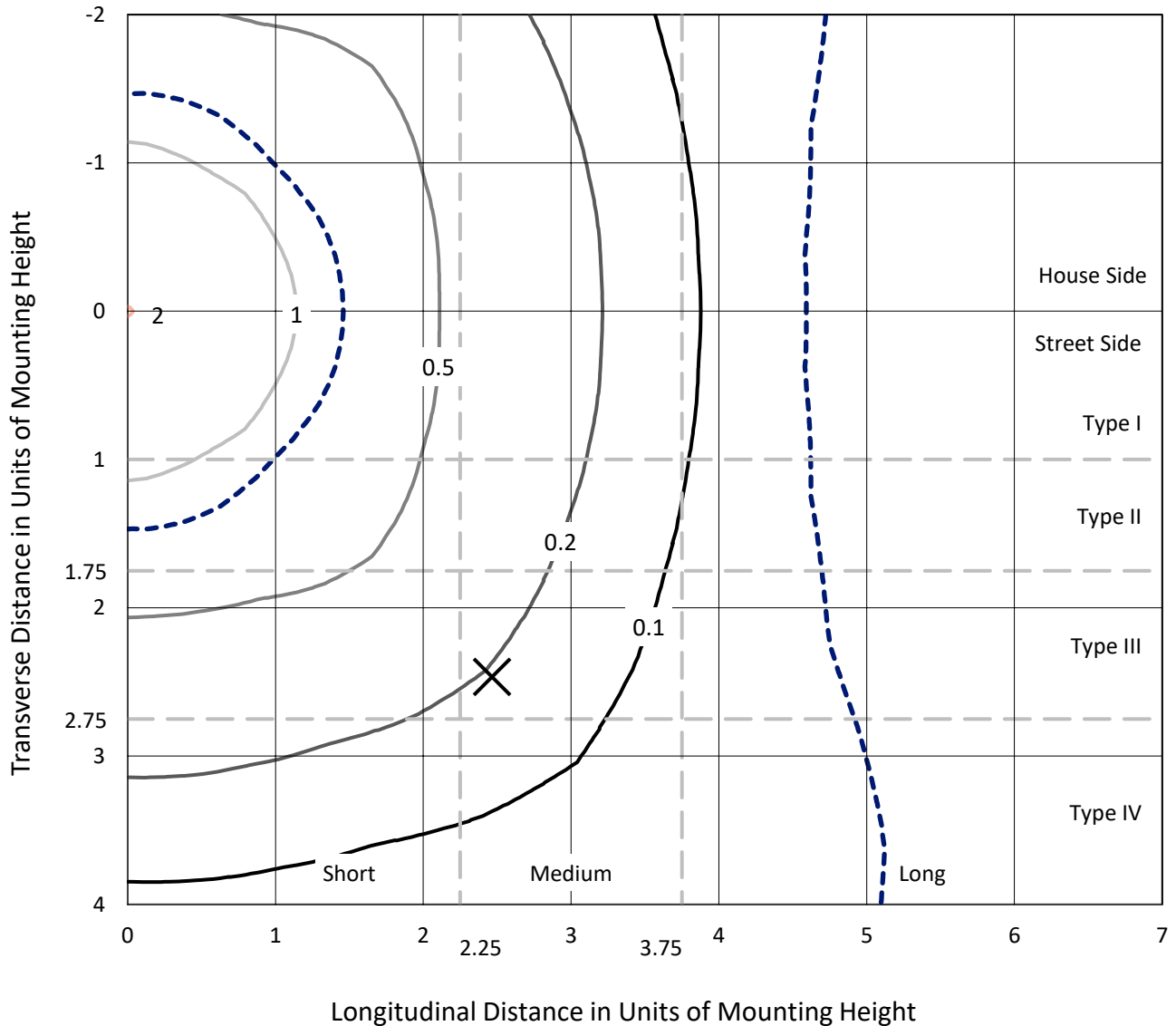




REPORT NUMBER: P594442
 CATALOG NUMBER: ISS-PA1A-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

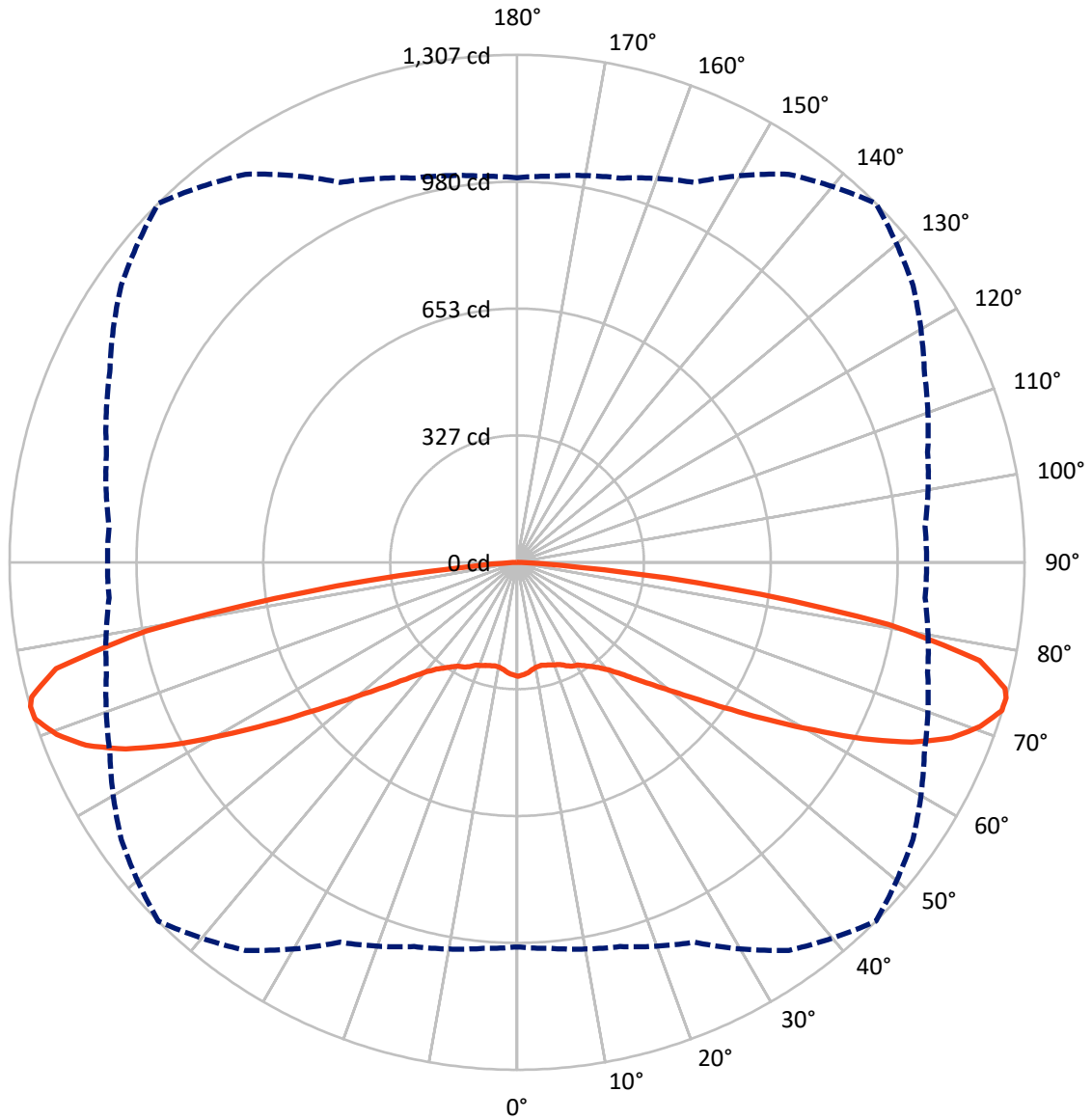
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2 fc
 Type V - Medium - N/A

REPORT NUMBER: P594442
CATALOG NUMBER: ISS-PA1A-727-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P594442
 CATALOG NUMBER: ISS-PA1A-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1779.0	0.0	1779.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1779.0	0.0	1779.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3558.0	0.0	3558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	0.8
10°-20°	78.8	2.2
20°-30°	136.1	3.8
30°-40°	208.5	5.9
40°-50°	339.2	9.5
50°-60°	588.2	16.5
60°-70°	974.2	27.4
70°-80°	1054.1	29.6
80°-90°	151.9	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°	3558.0	100.0
0°-180°	3558.0	100.0

Coefficient of Utilization

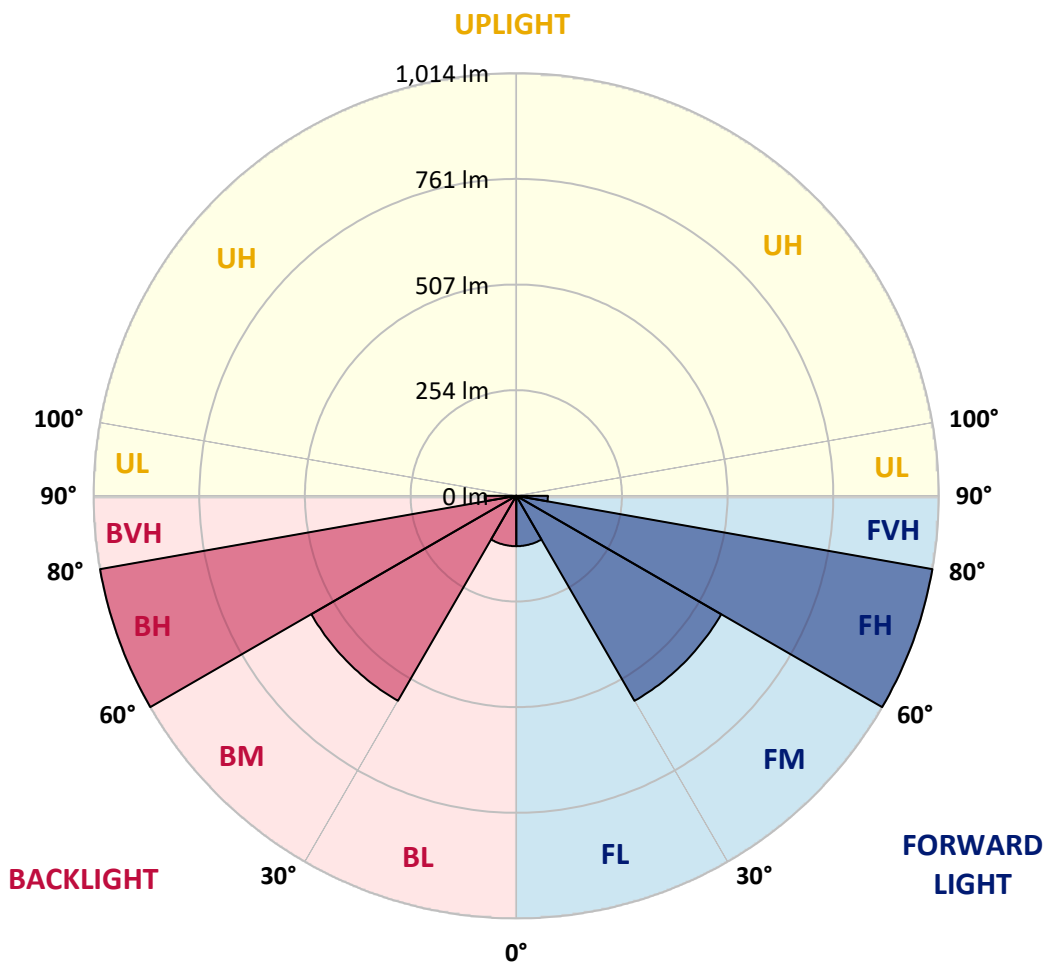


REPORT NUMBER: P594442
 CATALOG NUMBER: ISS-PA1A-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.9	3.4			
FM (30°-60°)	568.0	16.0			
FH (60°-80°)	1014.1	28.5			G1/1800
FVH (80°-90°)	76.0	2.1			G1/100
BL (0°-30°)	120.9	3.4	B1/500		
BM (30°-60°)	568.0	16.0	B1/1000		
BH (60°-80°)	1014.1	28.5	B3/2500		G1/1800
BVH (80°-90°)	76.0	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: P594442
 CATALOG NUMBER: ISS-PA1A-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5	293.5
2.5°	289.3	290.1	290.1	289.3	290.1	290.1	290.1	291.0	290.1	291.8	291.0
5°	285.1	285.1	285.9	285.1	285.1	285.9	285.1	286.8	285.9	287.6	285.9
7.5°	278.3	278.3	278.3	278.3	279.1	279.1	279.1	280.8	280.8	280.8	280.0
10°	276.6	275.8	275.8	274.1	274.1	274.1	273.2	275.8	276.6	278.3	277.5
12.5°	277.5	277.5	275.8	274.1	273.2	272.4	272.4	274.9	277.5	278.3	278.3
15°	280.8	280.8	278.3	274.9	274.9	274.9	274.1	274.9	279.1	280.8	279.1
17.5°	283.4	282.5	280.0	278.3	278.3	277.5	277.5	277.5	280.0	282.5	282.5
20°	287.6	287.6	284.2	282.5	282.5	281.7	280.8	280.0	282.5	285.9	285.1
22.5°	293.5	291.8	289.3	287.6	286.8	285.9	284.2	285.1	286.8	289.3	289.3
25°	297.8	297.8	295.2	294.4	295.2	295.2	292.7	291.0	291.8	294.4	294.4
27.5°	299.4	299.4	297.8	297.8	301.1	302.8	299.4	296.1	294.4	296.9	296.1
30°	306.2	306.2	304.5	303.7	306.2	307.1	305.4	302.8	302.0	304.5	303.7
32.5°	318.1	317.2	314.7	312.1	313.0	317.2	313.8	313.0	313.0	315.5	316.4
35°	331.6	329.9	327.4	324.8	325.7	329.9	326.5	326.5	327.4	330.7	330.7
37.5°	351.0	349.4	346.0	340.0	339.2	344.3	343.4	344.3	347.7	349.4	351.0
40°	372.2	371.3	367.1	362.0	361.2	364.6	365.4	367.1	370.5	372.2	373.0
42.5°	402.6	401.0	394.2	389.1	388.3	392.5	394.2	395.9	400.1	401.8	403.5
45°	439.9	439.0	431.4	425.5	422.9	428.9	428.9	430.6	434.8	438.2	438.2
47.5°	480.5	479.6	473.7	466.9	467.8	472.0	471.2	472.0	475.4	478.8	481.3
50°	526.1	523.6	516.8	515.1	519.4	523.6	520.2	519.4	524.5	526.1	525.3
52.5°	576.1	573.5	570.1	570.1	580.3	587.9	585.4	577.7	577.7	576.9	576.1
55°	635.3	633.6	632.7	637.0	653.9	669.1	659.8	645.4	639.5	636.1	637.8
57.5°	697.0	692.8	700.4	709.7	743.5	765.5	751.1	724.1	715.6	708.9	705.5
60°	759.6	757.9	768.9	790.9	839.1	876.3	856.9	812.1	796.8	781.6	781.6
62.5°	820.5	818.8	834.9	868.7	944.9	999.8	964.3	907.6	878.0	855.2	851.8
65°	894.1	891.6	909.3	945.7	1047.2	1116.6	1071.7	997.3	961.8	930.5	926.2
67.5°	954.2	954.2	977.8	1022.7	1133.5	1206.2	1150.4	1086.1	1044.7	1012.5	1009.1
70°	1011.7	1016.8	1034.5	1078.5	1199.5	1265.5	1214.7	1157.2	1120.0	1087.8	1084.4
72.5°	1036.2	1043.0	1060.7	1103.9	1228.2	1305.2	1246.0	1180.0	1140.3	1108.1	1103.9
74°	990.5	998.1	1024.4	1079.4	1219.8	1306.9	1244.3	1157.2	1094.6	1054.8	1054.8
75°	938.9	949.1	980.4	1039.6	1202.0	1297.6	1226.5	1120.8	1033.7	987.2	989.7
77.5°	724.1	746.1	779.9	873.0	1078.5	1218.1	1090.4	899.2	759.6	690.2	688.6
80°	206.4	236.8	313.8	521.1	819.7	970.2	801.1	532.1	375.6	285.9	274.9
82.5°	49.9	58.4	80.4	147.2	350.2	548.1	396.7	174.3	104.9	68.5	55.0
85°	21.1	22.8	36.4	50.8	96.4	145.5	92.2	59.2	43.1	19.5	18.6
87.5°	7.6	8.5	13.5	13.5	20.3	11.8	21.1	14.4	15.2	5.1	5.1
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)