

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: P594550

Luminaire Tested: **ISS-PA1B-735-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594550
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-PA1B-735-U-5WQ
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3500K, 450mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4954 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G2

Input Watts (W): 36.4
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

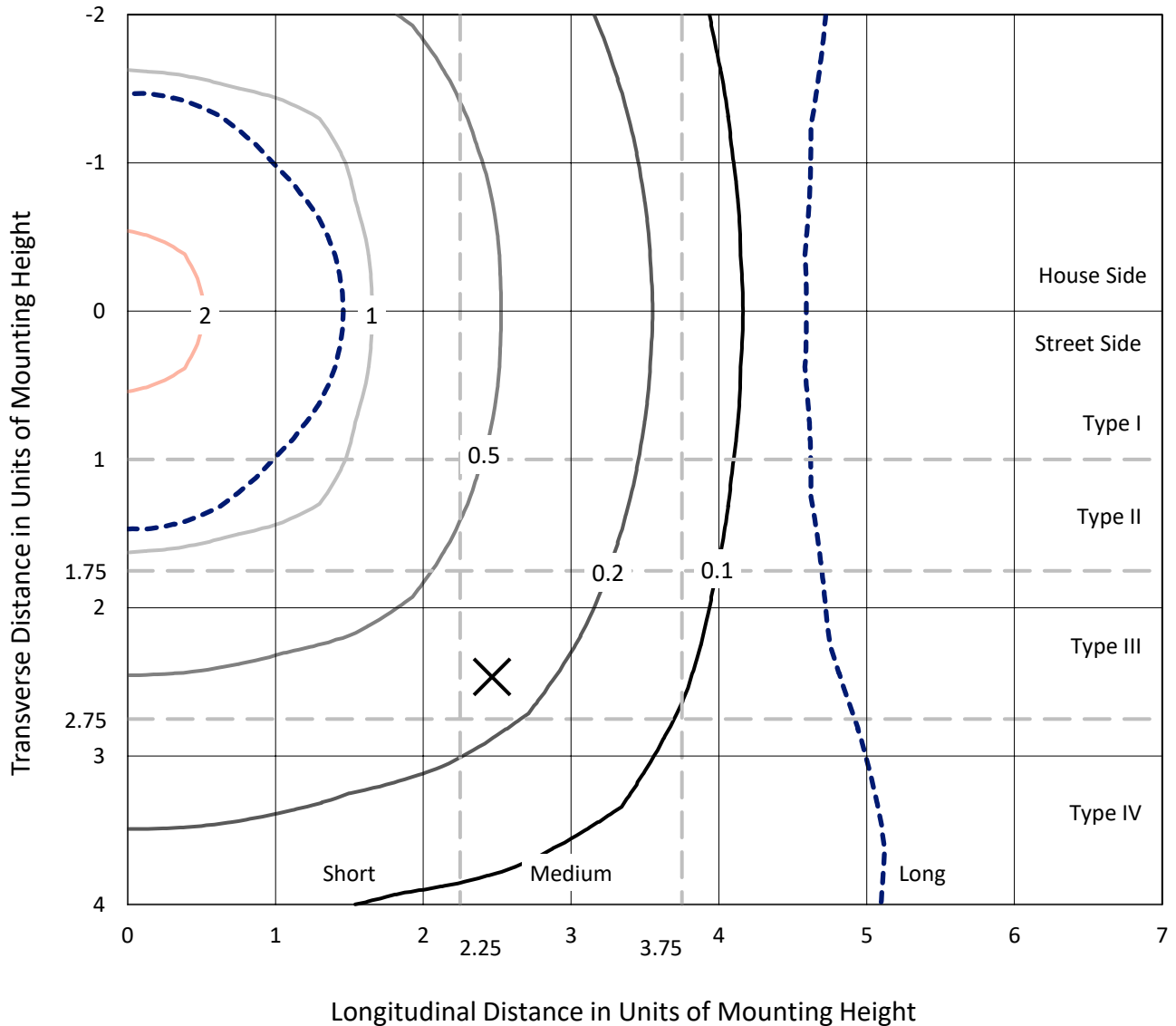




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Iso-Footcandle Lines of Horizontal Illumination

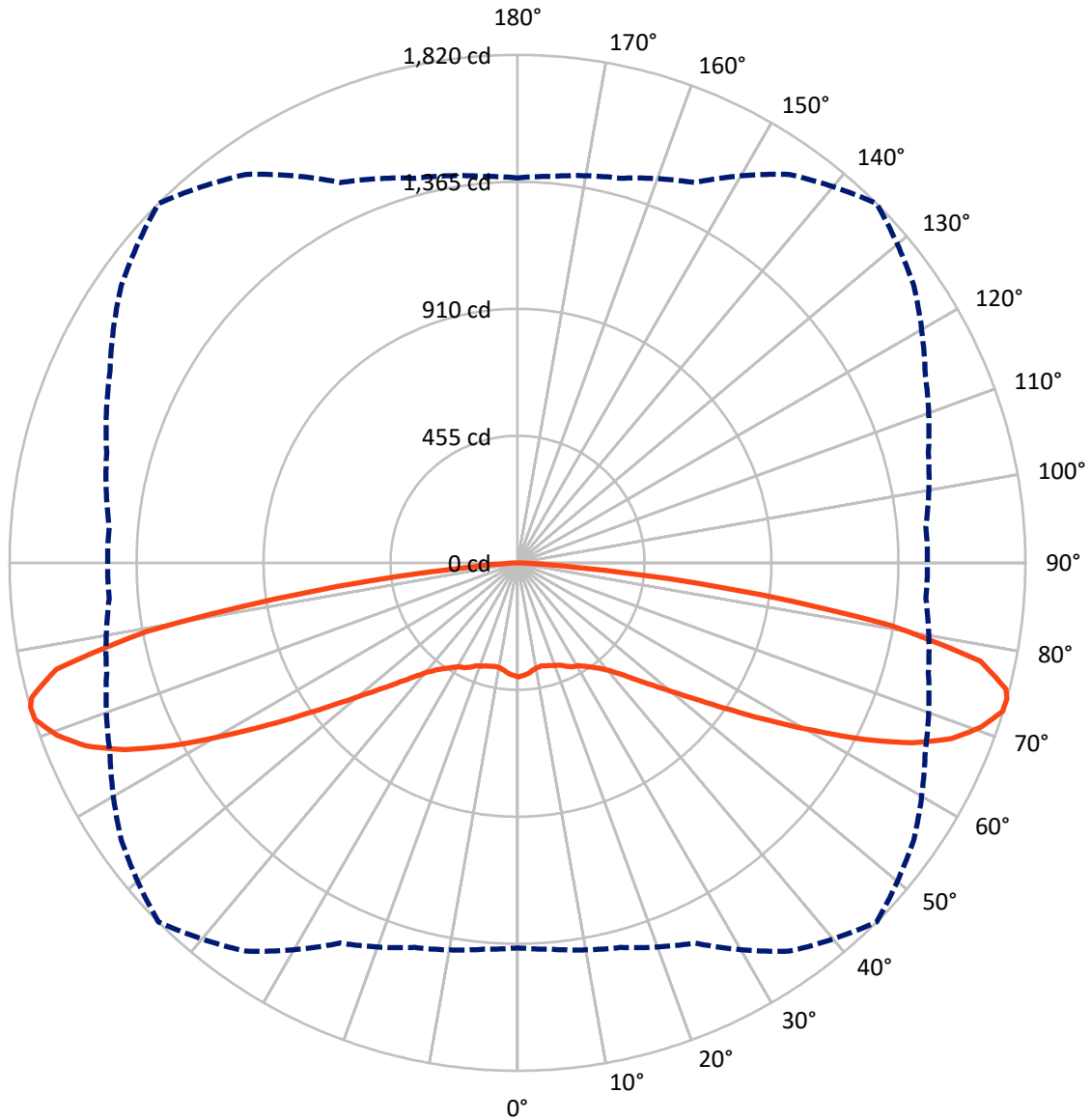
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 2.8 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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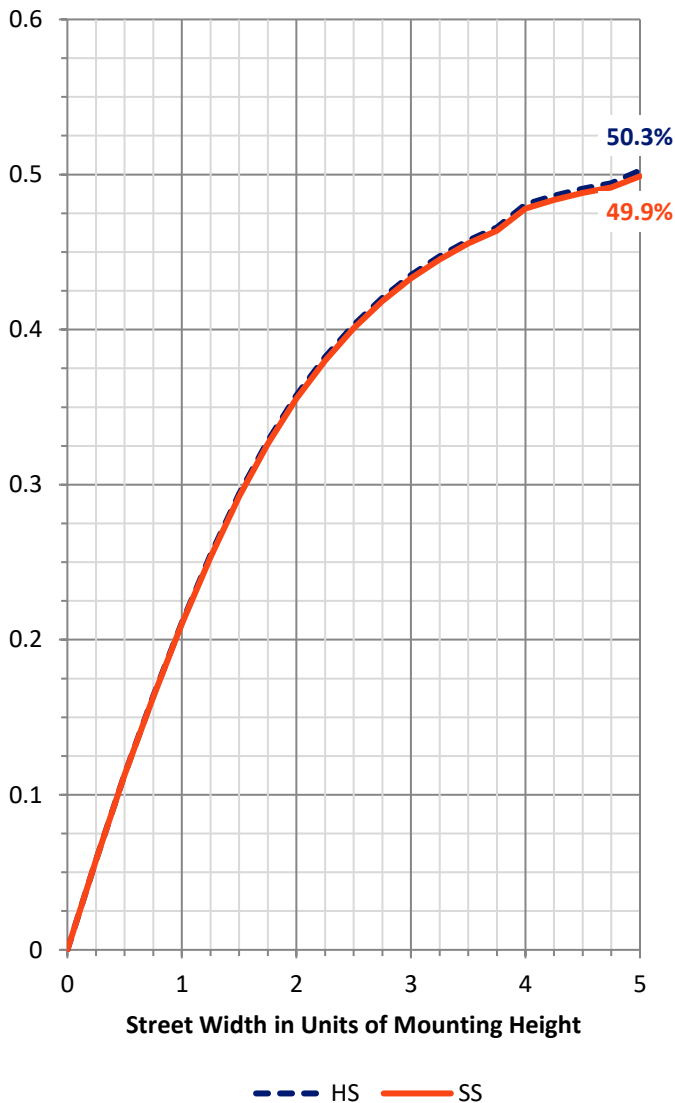
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2477.0	0.0	2477.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2477.0	0.0	2477.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4954.0	0.0	4954.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	0.8
10°-20°	109.7	2.2
20°-30°	189.5	3.8
30°-40°	290.3	5.9
40°-50°	472.3	9.5
50°-60°	819.1	16.5
60°-70°	1356.4	27.4
70°-80°	1467.7	29.6
80°-90°	211.5	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°	4954.0	100.0
0°-180°	4954.0	100.0

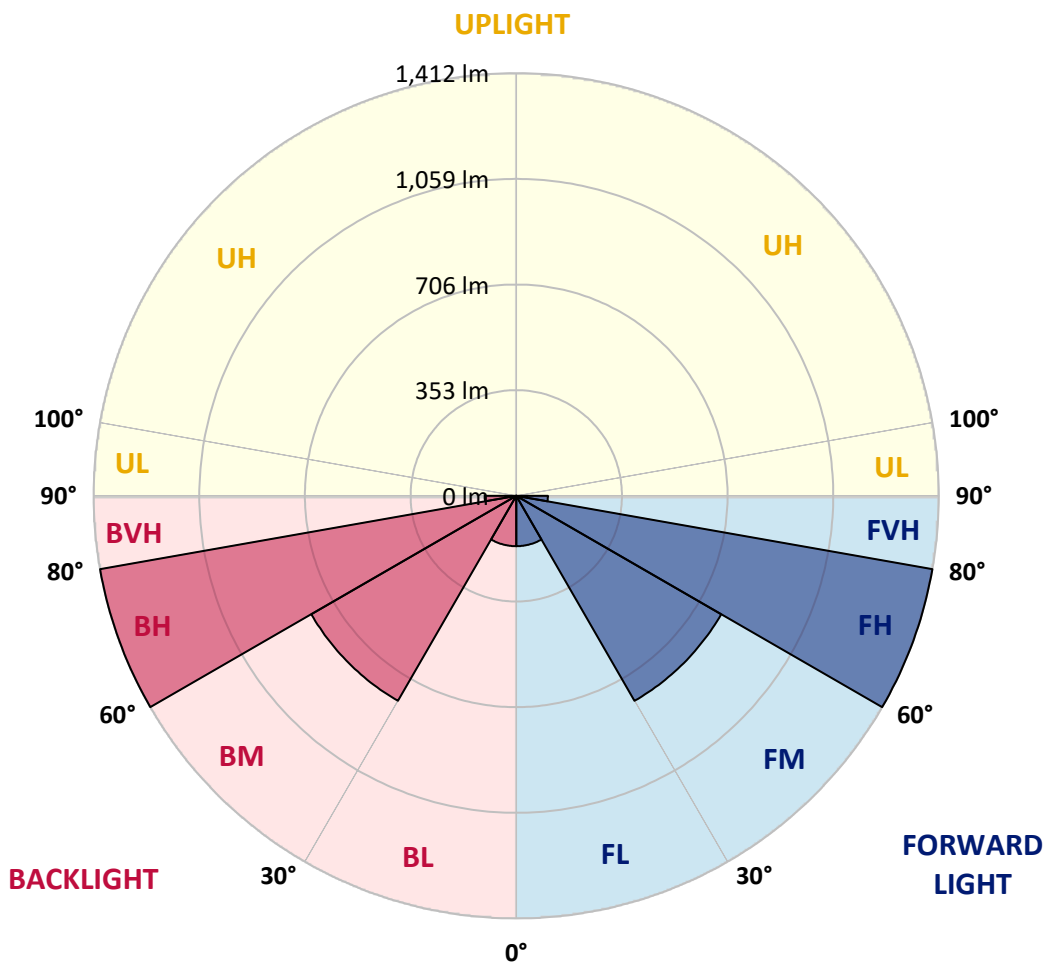


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.4	3.4			
FM (30°-60°)	790.8	16.0			
FH (60°-80°)	1412.0	28.5			G1/1800
FVH (80°-90°)	105.8	2.1			G2/225
BL (0°-30°)	168.4	3.4	B1/500		
BM (30°-60°)	790.8	16.0	B1/1000		
BH (60°-80°)	1412.0	28.5	B3/2500		G1/1800
BVH (80°-90°)	105.8	2.1			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7	408.7
2.5°	402.8	404.0	404.0	402.8	404.0	404.0	404.0	405.2	404.0	406.3	405.2
5°	396.9	396.9	398.1	396.9	396.9	396.9	396.9	399.3	398.1	400.4	398.1
7.5°	387.5	387.5	387.5	387.5	388.7	388.7	388.7	391.0	391.0	391.0	389.8
10°	385.1	384.0	384.0	381.6	381.6	381.6	380.4	384.0	385.1	387.5	386.3
12.5°	386.3	386.3	384.0	381.6	380.4	379.2	379.2	382.8	386.3	387.5	387.5
15°	391.0	391.0	387.5	382.8	382.8	382.8	381.6	382.8	388.7	391.0	388.7
17.5°	394.6	393.4	389.8	387.5	387.5	386.3	386.3	386.3	389.8	393.4	393.4
20°	400.4	400.4	395.7	393.4	393.4	392.2	391.0	389.8	393.4	398.1	396.9
22.5°	408.7	406.3	402.8	400.4	399.3	398.1	395.7	396.9	399.3	402.8	402.8
25°	414.6	414.6	411.0	409.9	411.0	411.0	407.5	405.2	406.3	409.9	409.9
27.5°	416.9	416.9	414.6	414.6	419.3	421.6	416.9	412.2	409.9	413.4	412.2
30°	426.4	426.4	424.0	422.8	426.4	427.5	425.2	421.6	420.5	424.0	422.8
32.5°	442.8	441.7	438.1	434.6	435.8	441.7	437.0	435.8	435.8	439.3	440.5
35°	461.7	459.3	455.8	452.3	453.4	459.3	454.6	454.6	455.8	460.5	460.5
37.5°	488.8	486.4	481.7	473.5	472.3	479.4	478.2	479.4	484.1	486.4	488.8
40°	518.2	517.0	511.2	504.1	502.9	507.6	508.8	511.2	515.9	518.2	519.4
42.5°	560.6	558.3	548.8	541.8	540.6	546.5	548.8	551.2	557.1	559.4	561.8
45°	612.4	611.3	600.7	592.4	588.9	597.1	597.1	599.5	605.4	610.1	610.1
47.5°	669.0	667.8	659.6	650.1	651.3	657.2	656.0	657.2	661.9	666.6	670.2
50°	732.6	729.0	719.6	717.3	723.2	729.0	724.3	723.2	730.2	732.6	731.4
52.5°	802.1	798.5	793.8	793.8	808.0	818.6	815.0	804.4	804.4	803.2	802.1
55°	884.5	882.2	881.0	886.9	910.4	931.6	918.7	898.6	890.4	885.7	888.0
57.5°	970.5	964.6	975.2	988.2	1035.3	1065.9	1045.9	1008.2	996.4	987.0	982.3
60°	1057.6	1055.3	1070.6	1101.2	1168.4	1220.2	1193.1	1130.7	1109.5	1088.3	1088.3
62.5°	1142.4	1140.1	1162.5	1209.6	1315.6	1392.1	1342.7	1263.8	1222.5	1190.7	1186.0
65°	1244.9	1241.4	1266.1	1316.8	1458.1	1554.7	1492.2	1388.6	1339.1	1295.6	1289.7
67.5°	1328.5	1328.5	1361.5	1423.9	1578.2	1679.5	1601.8	1512.3	1454.6	1409.8	1405.1
70°	1408.6	1415.7	1440.4	1501.7	1670.1	1762.0	1691.3	1611.2	1559.4	1514.6	1509.9
72.5°	1442.8	1452.2	1476.9	1537.0	1710.1	1817.3	1734.9	1643.0	1587.6	1542.9	1537.0
74°	1379.2	1389.8	1426.3	1502.8	1698.4	1819.7	1732.5	1611.2	1524.0	1468.7	1468.7
75°	1307.3	1321.5	1365.0	1447.5	1673.6	1806.7	1707.8	1560.6	1439.2	1374.5	1378.0
77.5°	1008.2	1038.8	1085.9	1215.5	1501.7	1696.0	1518.2	1252.0	1057.6	961.1	958.7
80°	287.4	329.8	437.0	725.5	1141.3	1350.9	1115.4	740.8	522.9	398.1	382.8
82.5°	69.5	81.3	111.9	204.9	487.6	763.2	552.4	242.6	146.0	95.4	76.6
85°	29.4	31.8	50.6	70.7	134.3	202.6	128.4	82.4	60.1	27.1	25.9
87.5°	10.6	11.8	18.8	18.8	28.3	16.5	29.4	20.0	21.2	7.1	7.1
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)