

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: P594541

Luminaire Tested: **ISS-PA1B-730-U-5WQ**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594541
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-730-U-5WQ
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3000K, 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: 4843 lumens
Efficiency: N/A
Efficacy: 133.0 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

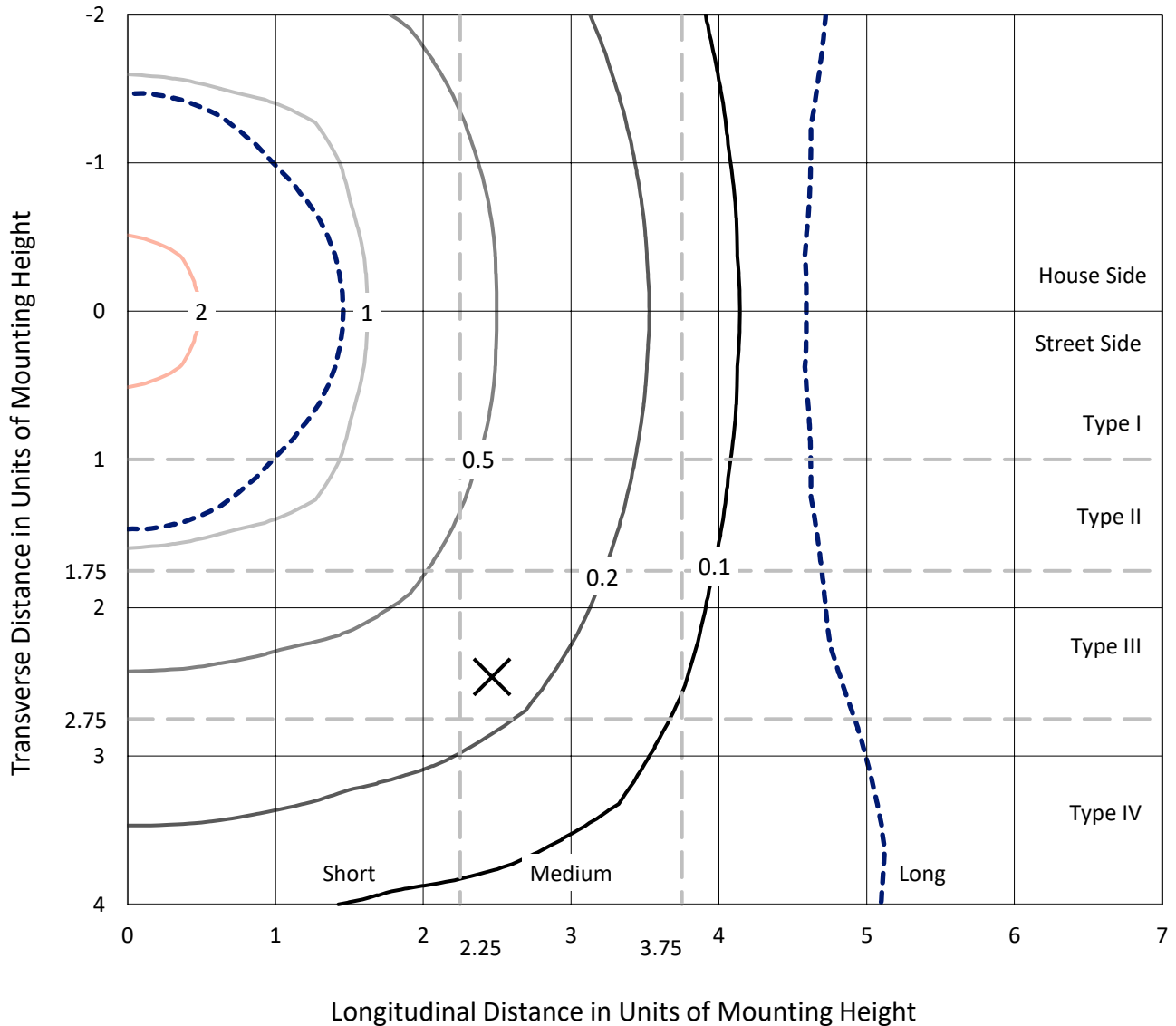
Input Watts (W): 36.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

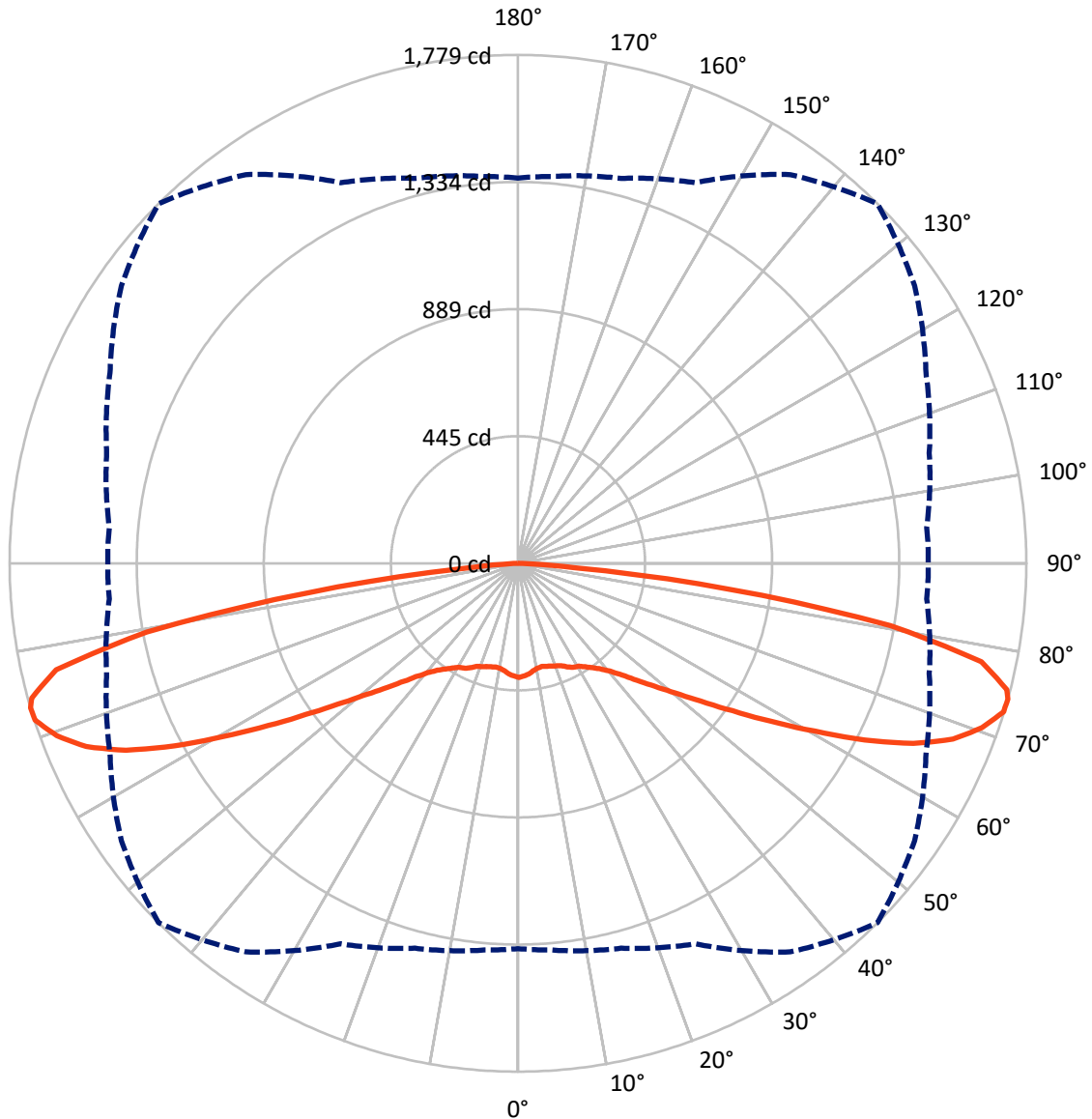
× Max cd
 - - - 1/2 Max cd



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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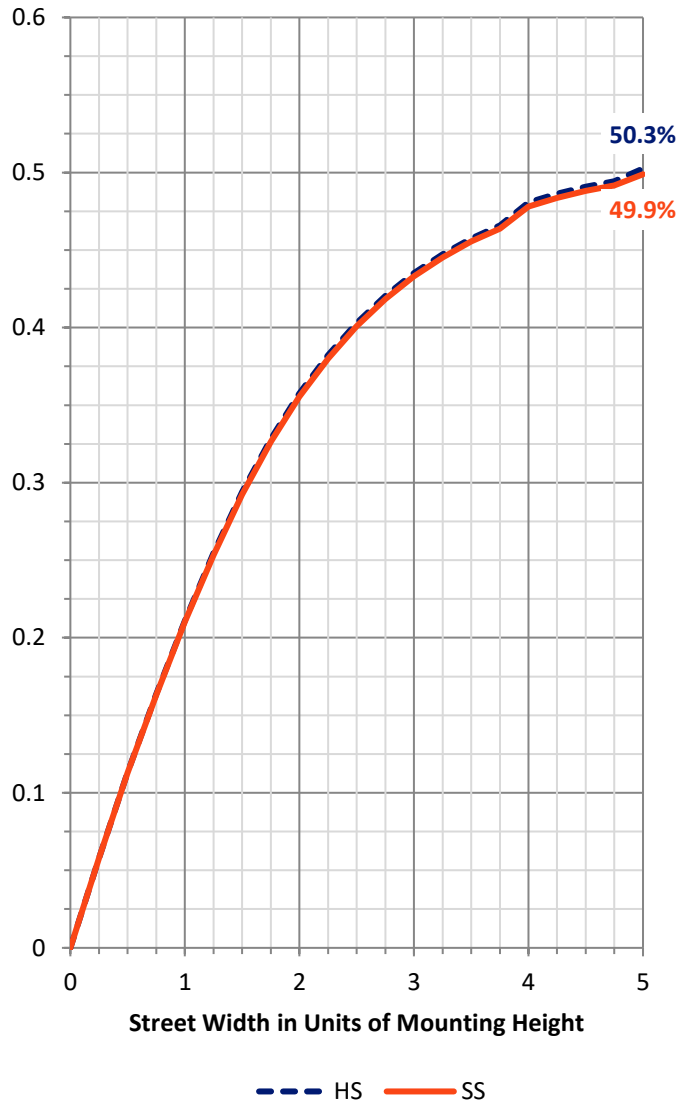
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2421.5	0.0	2421.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2421.5	0.0	2421.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4843.0	0.0	4843.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	0.8
10°-20°	107.3	2.2
20°-30°	185.3	3.8
30°-40°	283.8	5.9
40°-50°	461.7	9.5
50°-60°	800.7	16.5
60°-70°	1326.0	27.4
70°-80°	1434.8	29.6
80°-90°	206.8	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°	4843.0	100.0
0°-180°	4843.0	100.0

Coefficient of Utilization

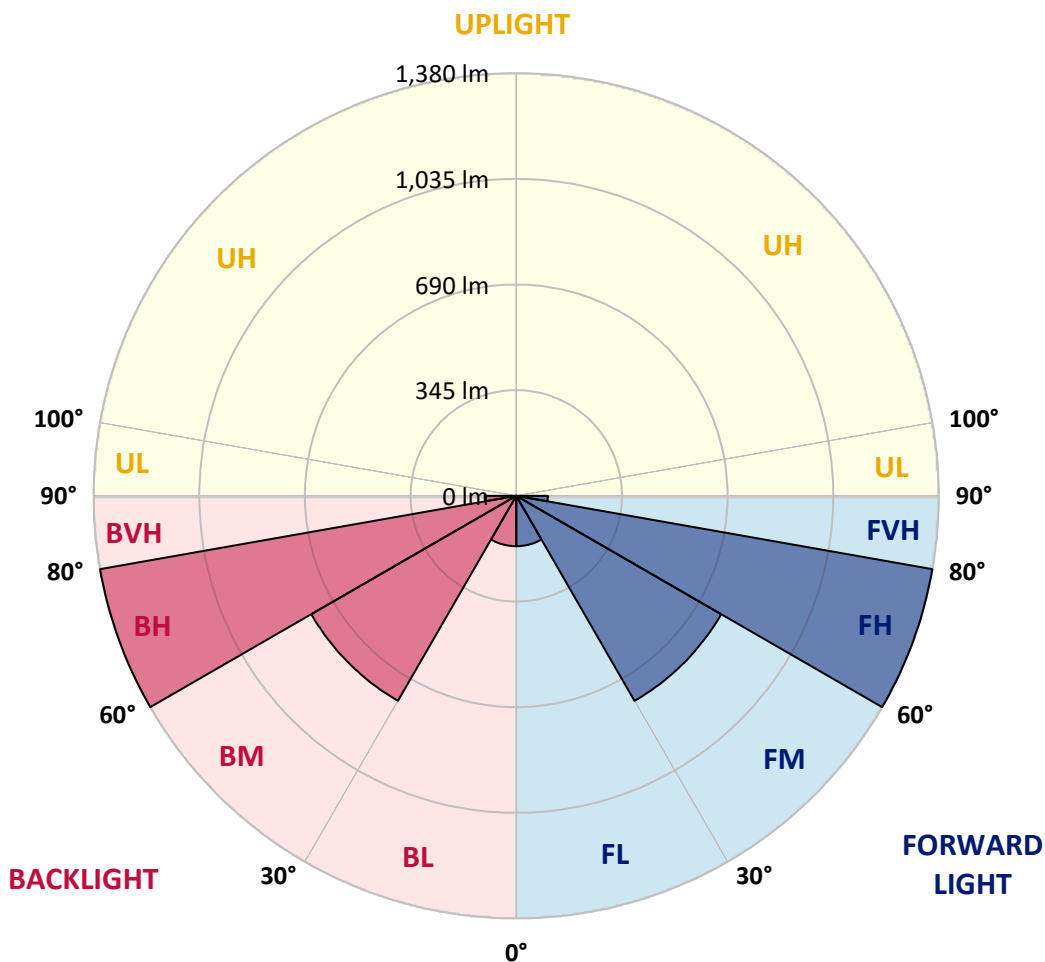


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.6	3.4			
FM (30°-60°)	773.1	16.0			
FH (60°-80°)	1380.4	28.5			G1/1800
FVH (80°-90°)	103.4	2.1			G2/225
BL (0°-30°)	164.6	3.4	B1/500		
BM (30°-60°)	773.1	16.0	B1/1000		
BH (60°-80°)	1380.4	28.5	B3/2500		G1/1800
BVH (80°-90°)	103.4	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°	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5
2.5°	393.8	394.9	394.9	393.8	394.9	394.9	394.9	396.1	394.9	397.2	396.1
5°	388.0	388.0	389.2	388.0	388.0	389.2	388.0	390.3	389.2	391.5	389.2
7.5°	378.8	378.8	378.8	378.8	380.0	380.0	380.0	382.3	382.3	382.3	381.1
10°	376.5	375.4	375.4	373.0	373.0	373.0	371.9	375.4	376.5	378.8	377.7
12.5°	377.7	377.7	375.4	373.0	371.9	370.7	370.7	374.2	377.7	378.8	378.8
15°	382.3	382.3	378.8	374.2	374.2	374.2	373.0	374.2	380.0	382.3	380.0
17.5°	385.7	384.6	381.1	378.8	378.8	377.7	377.7	377.7	381.1	384.6	384.6
20°	391.5	391.5	386.9	384.6	384.6	383.4	382.3	381.1	384.6	389.2	388.0
22.5°	399.5	397.2	393.8	391.5	390.3	389.2	386.9	388.0	390.3	393.8	393.8
25°	405.3	405.3	401.8	400.7	401.8	401.8	398.4	396.1	397.2	400.7	400.7
27.5°	407.6	407.6	405.3	405.3	409.9	412.2	407.6	403.0	400.7	404.1	403.0
30°	416.8	416.8	414.5	413.3	416.8	418.0	415.7	412.2	411.0	414.5	413.3
32.5°	432.9	431.8	428.3	424.9	426.0	431.8	427.2	426.0	426.0	429.5	430.6
35°	451.3	449.0	445.6	442.1	443.3	449.0	444.4	444.4	445.6	450.2	450.2
37.5°	477.8	475.5	470.9	462.9	461.7	468.6	467.5	468.6	473.2	475.5	477.8
40°	506.6	505.5	499.7	492.8	491.6	496.2	497.4	499.7	504.3	506.6	507.8
42.5°	548.1	545.8	536.5	529.6	528.5	534.2	536.5	538.8	544.6	546.9	549.2
45°	598.7	597.6	587.2	579.1	575.7	583.8	583.8	586.1	591.8	596.4	596.4
47.5°	654.0	652.8	644.8	635.6	636.7	642.5	641.3	642.5	647.1	651.7	655.1
50°	716.2	712.7	703.5	701.2	707.0	712.7	708.1	707.0	713.9	716.2	715.0
52.5°	784.1	780.6	776.0	776.0	789.9	800.2	796.8	786.4	786.4	785.2	784.1
55°	864.7	862.4	861.2	867.0	890.0	910.7	898.1	878.5	870.4	865.8	868.1
57.5°	948.7	943.0	953.3	966.0	1012.1	1042.0	1022.4	985.6	974.1	964.9	960.3
60°	1033.9	1031.6	1046.6	1076.5	1142.2	1192.8	1166.4	1105.3	1084.6	1063.9	1063.9
62.5°	1116.8	1114.5	1136.4	1182.5	1286.1	1360.9	1312.6	1235.4	1195.1	1164.1	1159.4
65°	1217.0	1213.6	1237.7	1287.3	1425.4	1519.8	1458.8	1357.5	1309.1	1266.5	1260.8
67.5°	1298.8	1298.8	1331.0	1392.0	1542.9	1641.9	1565.9	1478.4	1422.0	1378.2	1373.6
70°	1377.1	1384.0	1408.1	1468.0	1632.7	1722.5	1653.4	1575.1	1524.4	1480.7	1476.1
72.5°	1410.5	1419.7	1443.8	1502.6	1671.8	1776.6	1696.0	1606.2	1552.1	1508.3	1502.6
74°	1348.3	1358.6	1394.3	1469.2	1660.3	1778.9	1693.7	1575.1	1489.9	1435.8	1435.8
75°	1278.0	1291.9	1334.5	1415.1	1636.1	1766.2	1669.5	1525.6	1407.0	1343.7	1347.1
77.5°	985.6	1015.5	1061.6	1188.2	1468.0	1658.0	1484.1	1223.9	1033.9	939.5	937.2
80°	280.9	322.4	427.2	709.3	1115.7	1320.6	1090.4	724.2	511.2	389.2	374.2
82.5°	67.9	79.4	109.4	200.3	476.7	746.1	540.0	237.2	142.8	93.3	74.8
85°	28.8	31.1	49.5	69.1	131.3	198.0	125.5	80.6	58.7	26.5	25.3
87.5°	10.4	11.5	18.4	18.4	27.6	16.1	28.8	19.6	20.7	6.9	6.9
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)