

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: INVUE

Report Number: P553674

Luminaire Tested: **ARB-B3-LED-D1-T5-8030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34659)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ARB-B3-LED-D1-T5-8030
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
80 CRI, 3000K LEDS AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7108 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

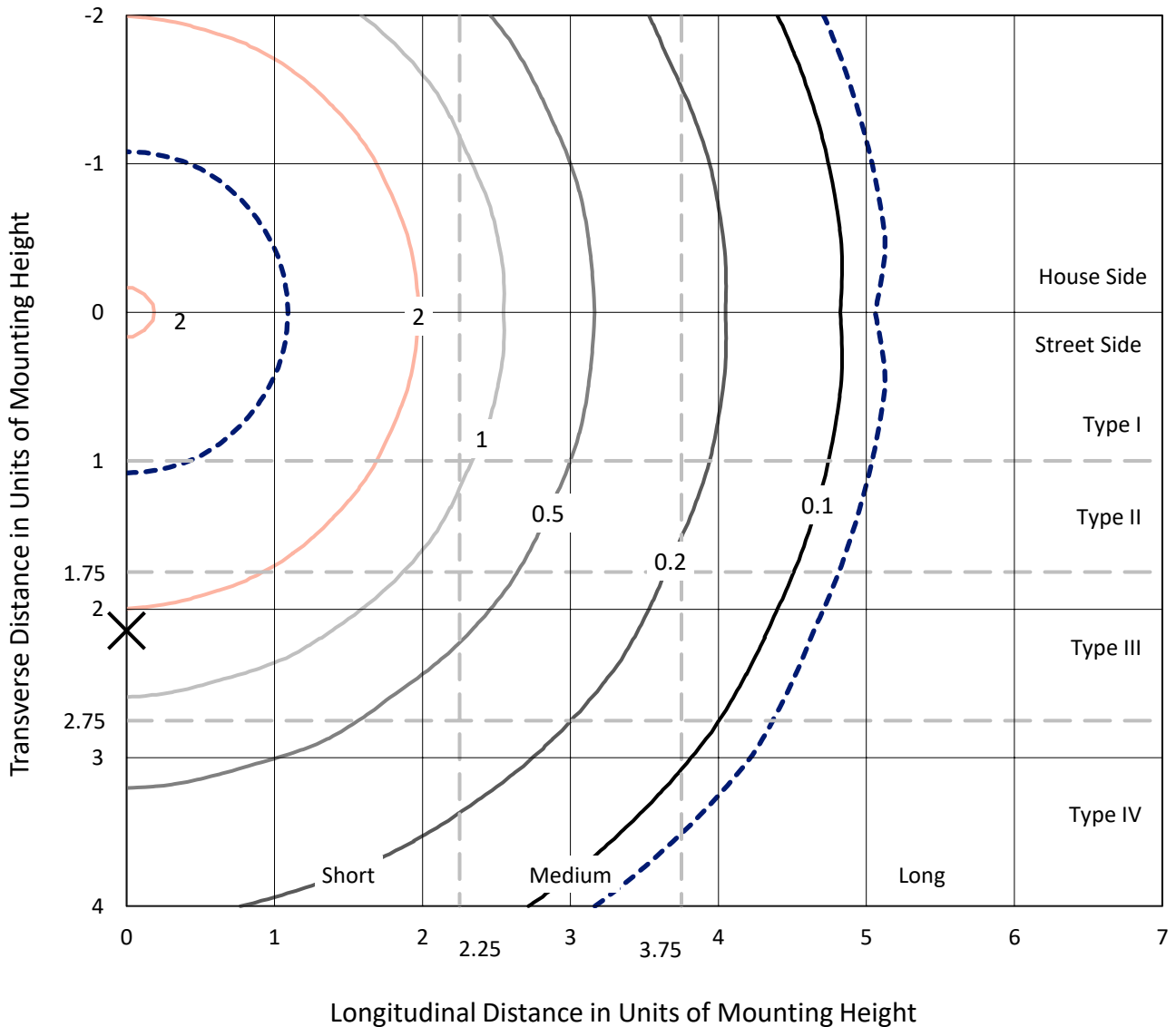
Input Watts (W): 86
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553674
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Iso-Footcandle Lines of Horizontal Illumination

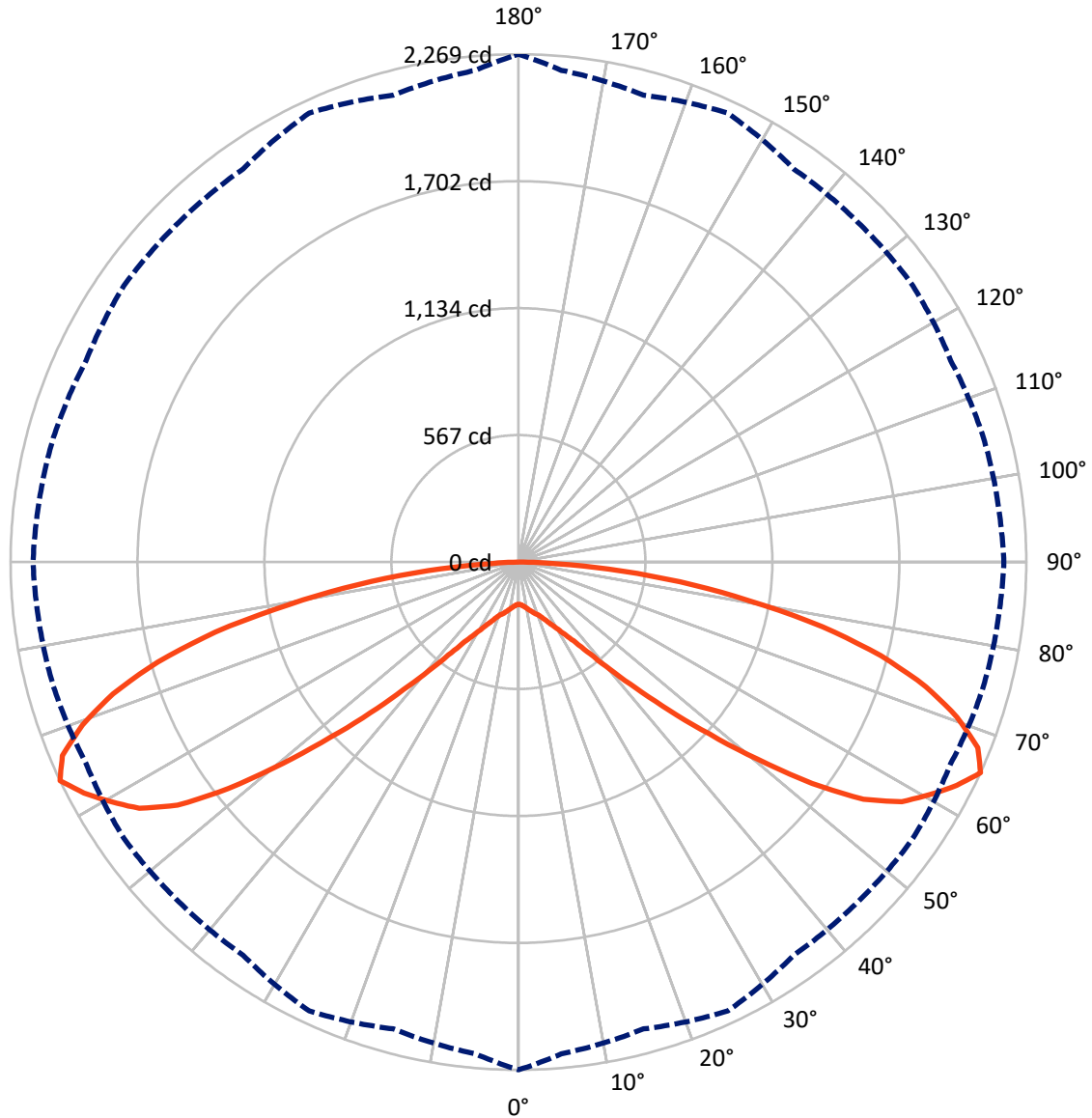
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

REPORT NUMBER: P553674
CATALOG NUMBER: ARB-B3-LED-D1-T5-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P553674

CATALOG NUMBER: ARB-B3-LED-D1-T5-8030

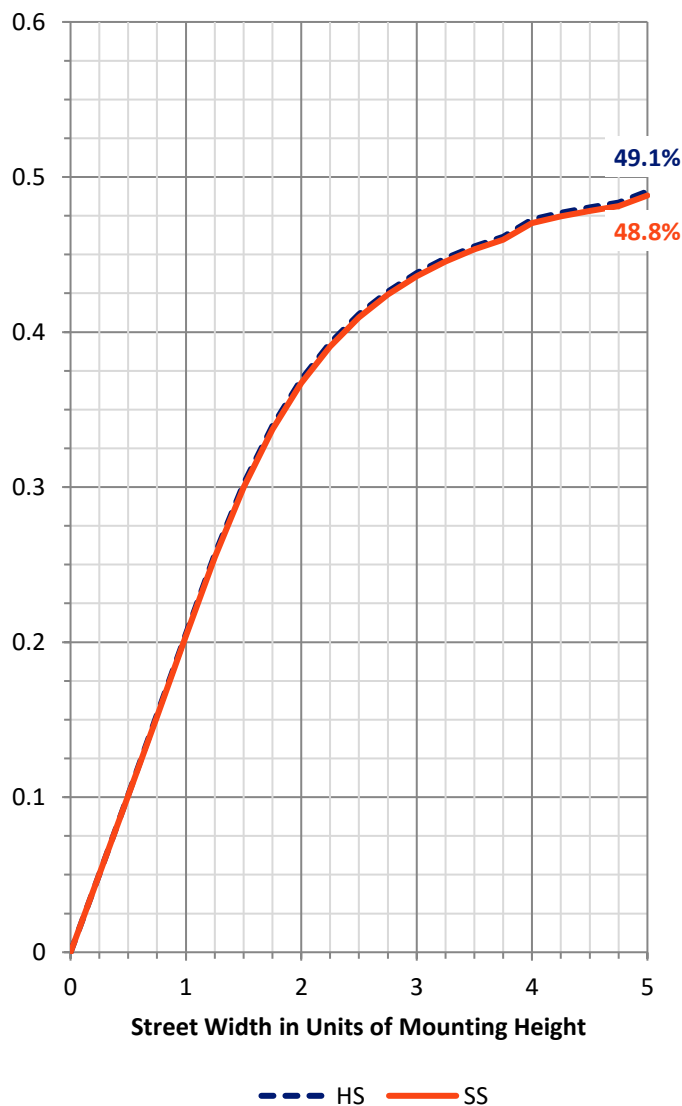
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3554.0	0.0	3554.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3554.0	0.0	3554.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7108.0	0.0	7108.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	0.3
10°-20°	65.4	0.9
20°-30°	134.7	1.9
30°-40°	291.1	4.1
40°-50°	750.6	10.6
50°-60°	1619.6	22.8
60°-70°	2105.9	29.6
70°-80°	1650.4	23.2
80°-90°	471.2	6.6
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°	7108.0	100.0
0°-180°	7108.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553674

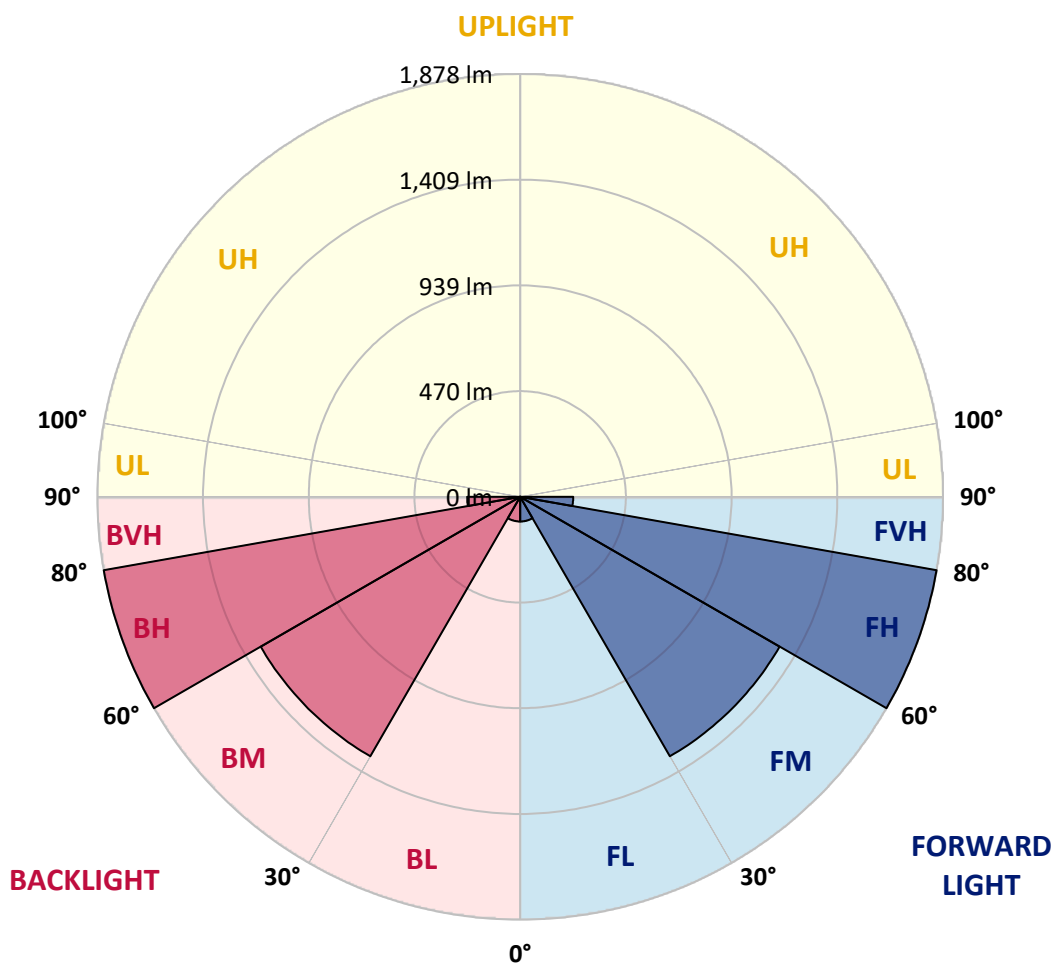
CATALOG NUMBER: ARB-B3-LED-D1-T5-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.6	1.5			
FM (30°-60°)	1330.6	18.7			
FH (60°-80°)	1878.2	26.4			G2/5000
FVH (80°-90°)	235.6	3.3			G3/500
BL (0°-30°)	109.6	1.5	B0/110		
BM (30°-60°)	1330.6	18.7	B2/2500		
BH (60°-80°)	1878.2	26.4	B3/2500		G2/5000
BVH (80°-90°)	235.6	3.3			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7	188.7
2.5°	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2
5°	195.5	195.5	195.5	195.5	195.5	195.5	194.7	194.7	194.7	194.7	194.7
7.5°	202.3	202.3	202.3	202.3	202.3	201.5	201.5	201.5	201.5	201.5	201.5
10°	210.6	210.6	210.6	210.6	210.6	209.8	209.8	209.8	209.1	209.8	209.8
12.5°	220.4	219.6	219.6	219.6	218.9	218.9	218.1	217.4	217.4	217.4	218.1
15°	230.9	230.2	229.4	229.4	228.7	228.7	227.9	227.2	226.4	227.2	227.2
17.5°	242.3	242.3	240.8	239.2	240.8	240.8	240.0	237.7	236.2	236.2	236.2
20°	251.3	250.6	246.8	248.3	249.8	251.3	249.8	244.5	241.5	243.8	244.5
22.5°	268.7	268.7	264.2	264.2	267.9	270.2	265.7	261.1	257.4	259.6	260.4
25°	290.6	291.3	286.0	283.8	288.3	291.3	288.3	280.0	277.0	279.2	280.0
27.5°	317.0	316.2	310.9	307.9	312.5	317.0	314.0	305.7	300.4	301.9	301.9
30°	349.4	349.4	342.6	338.9	344.9	347.9	346.4	336.6	332.1	329.8	330.6
32.5°	389.4	388.7	383.4	382.6	386.4	388.7	384.9	375.8	372.1	372.8	374.3
35°	440.0	442.3	443.8	443.8	445.3	450.6	440.8	431.7	434.7	432.5	431.7
37.5°	520.0	520.0	526.8	531.3	534.3	529.8	517.7	517.0	517.7	522.3	519.2
40°	629.4	626.4	630.2	637.0	634.0	631.7	631.7	620.4	621.9	620.4	624.1
42.5°	766.8	769.1	763.8	769.8	761.5	760.8	768.3	764.5	750.9	754.7	747.9
45°	944.1	946.4	942.6	933.6	936.6	944.9	941.1	942.6	928.3	923.8	929.1
47.5°	1147.2	1146.4	1147.2	1133.6	1138.9	1142.6	1146.4	1135.1	1123.0	1127.5	1128.3
50°	1384.1	1375.8	1375.8	1354.0	1376.6	1376.6	1366.0	1370.6	1354.7	1363.8	1363.0
52.5°	1643.0	1643.0	1652.1	1612.8	1640.0	1629.4	1618.9	1621.9	1609.8	1621.1	1630.2
55°	1870.9	1864.9	1865.7	1838.5	1867.9	1850.6	1829.4	1839.2	1829.4	1848.3	1858.1
57.5°	2019.6	2015.1	2000.7	1997.0	1999.2	1991.7	1962.3	1966.0	1975.1	2001.5	1997.0
60°	2110.2	2123.0	2089.8	2087.5	2094.3	2098.1	2066.4	2040.0	2075.5	2098.1	2088.3
62.5°	2197.7	2200.0	2160.7	2163.0	2176.6	2139.6	2150.9	2114.0	2145.7	2151.7	2169.1
65°	2268.7	2205.3	2159.2	2212.8	2144.1	2145.7	2151.7	2130.6	2150.2	2160.7	2168.3
67.5°	2212.8	2165.3	2098.9	2137.4	2100.4	2138.1	2135.8	2056.6	2117.7	2130.6	2089.1
70°	2079.2	2080.7	2007.5	2028.7	1989.4	1984.9	2018.9	1964.5	2014.3	2004.5	1978.1
72.5°	1904.1	1890.6	1818.9	1860.4	1781.1	1822.6	1838.5	1799.2	1829.4	1809.8	1821.9
75°	1671.7	1633.2	1581.1	1589.4	1576.6	1623.4	1627.2	1550.9	1597.7	1585.7	1576.6
77.5°	1389.4	1357.7	1326.8	1305.7	1304.9	1304.1	1330.6	1286.8	1318.5	1324.5	1286.8
80°	1042.3	1045.3	1022.6	1030.2	990.9	1009.1	1012.8	1016.6	999.2	1006.0	991.7
82.5°	726.8	723.8	711.7	698.9	710.2	732.1	718.5	704.9	695.1	707.9	718.5
85°	404.5	409.1	404.5	395.5	415.1	400.0	402.3	390.9	394.7	387.9	388.7
87.5°	114.0	120.0	117.0	114.7	112.5	108.7	126.8	114.0	104.2	107.9	108.7
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)