

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: P553668

Luminaire Tested: **ARB-B3-LED-D1-T3-8030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34666)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ARB-B3-LED-D1-T3-8030
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
80 CRI, 3000K LEDS AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7058 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

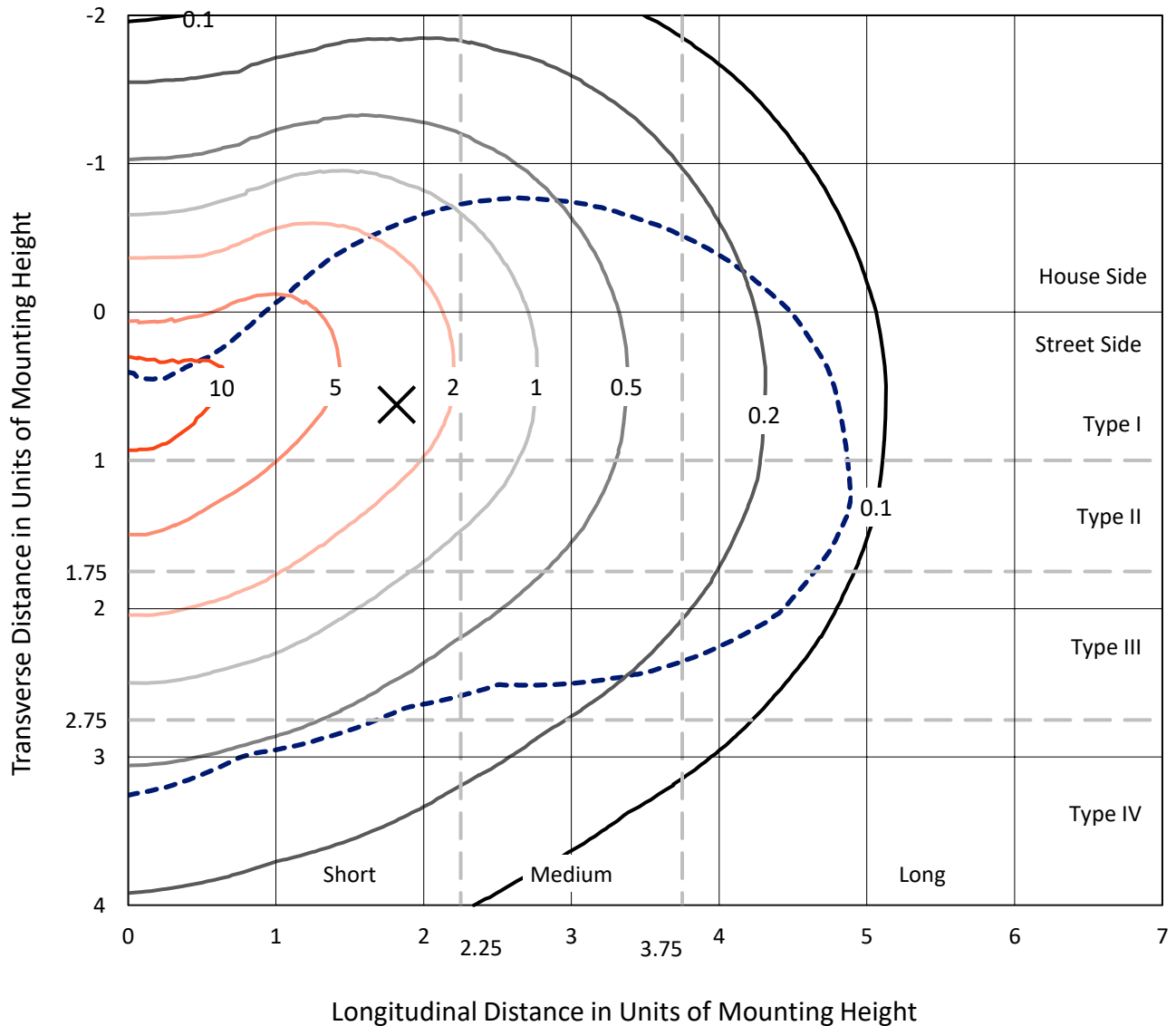
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

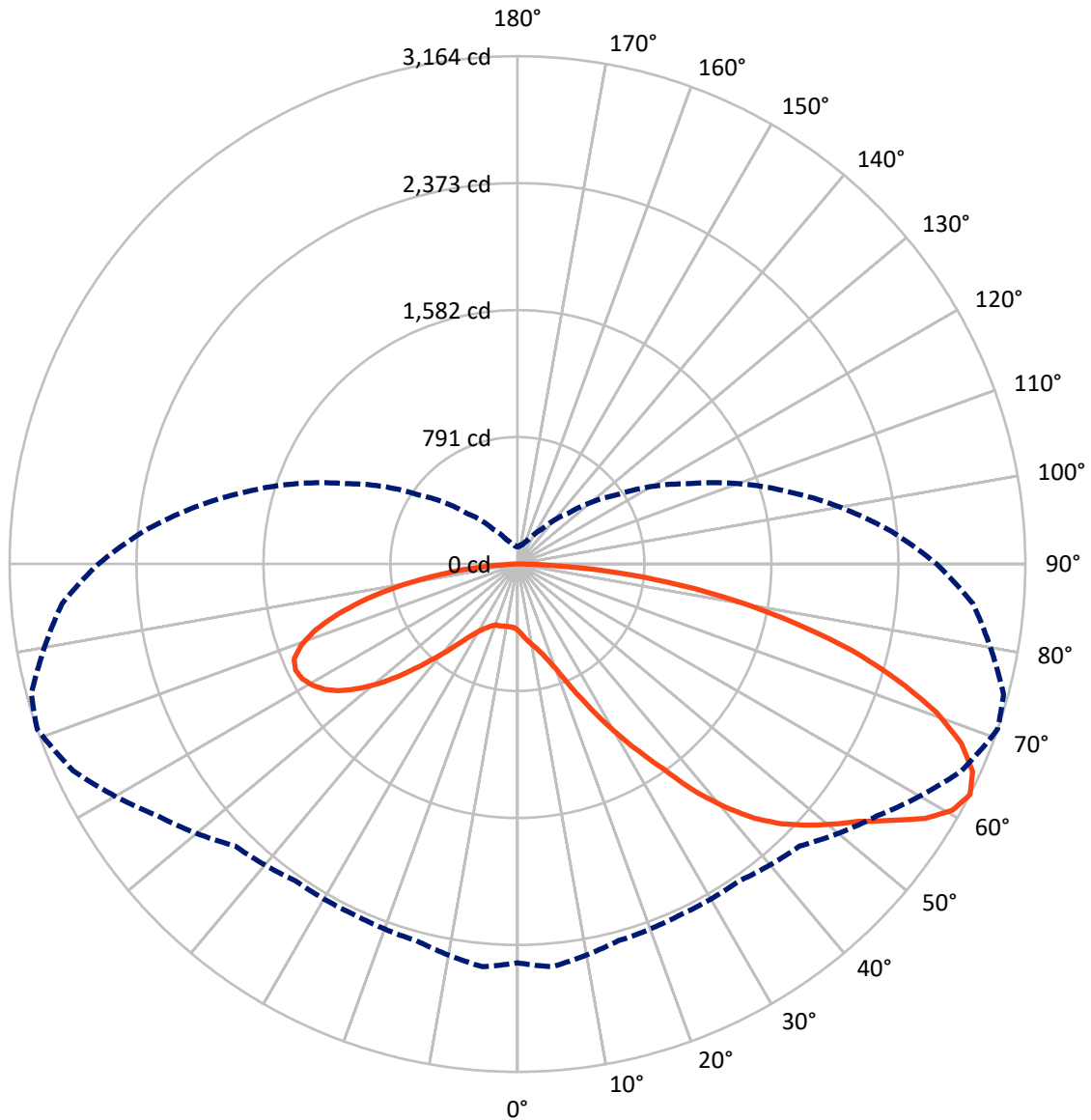
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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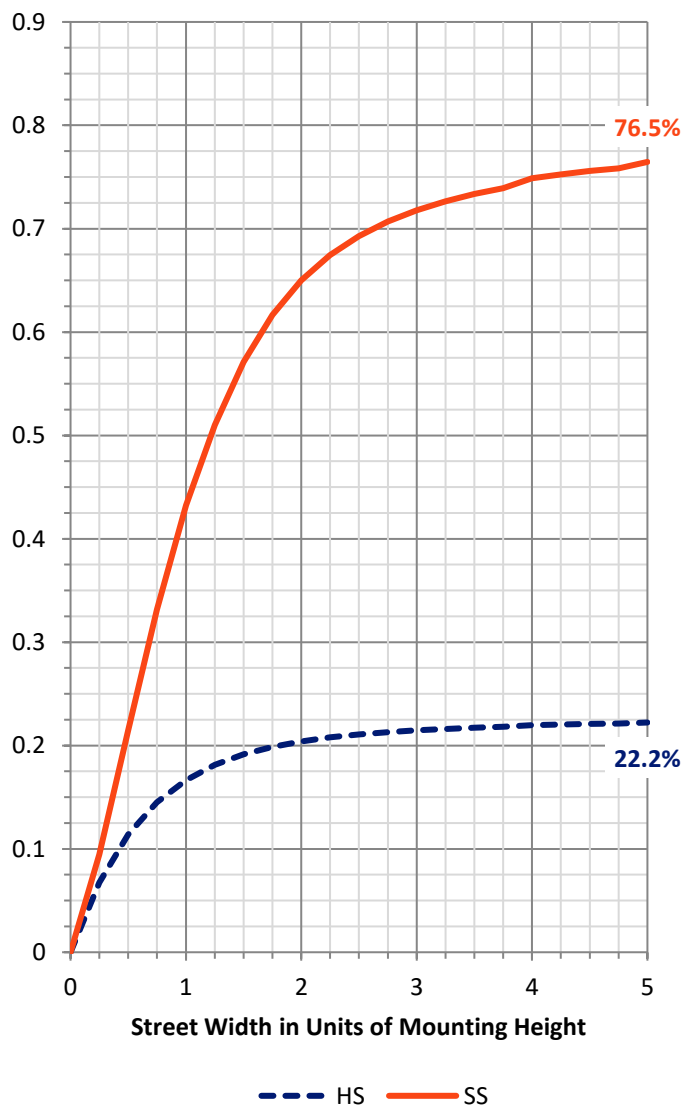
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1587.7	0.0	1587.7
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	5470.3	0.0	5470.3
	% Fixture	77.5	0.0	77.5
Total	Lumens	7058.0	0.0	7058.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	0.6
10°-20°	159.4	2.3
20°-30°	374.0	5.3
30°-40°	710.3	10.1
40°-50°	1111.6	15.7
50°-60°	1520.5	21.5
60°-70°	1631.7	23.1
70°-80°	1171.6	16.6
80°-90°	336.2	4.8
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°	7058.0	100.0
0°-180°	7058.0	100.0

Coefficient of Utilization



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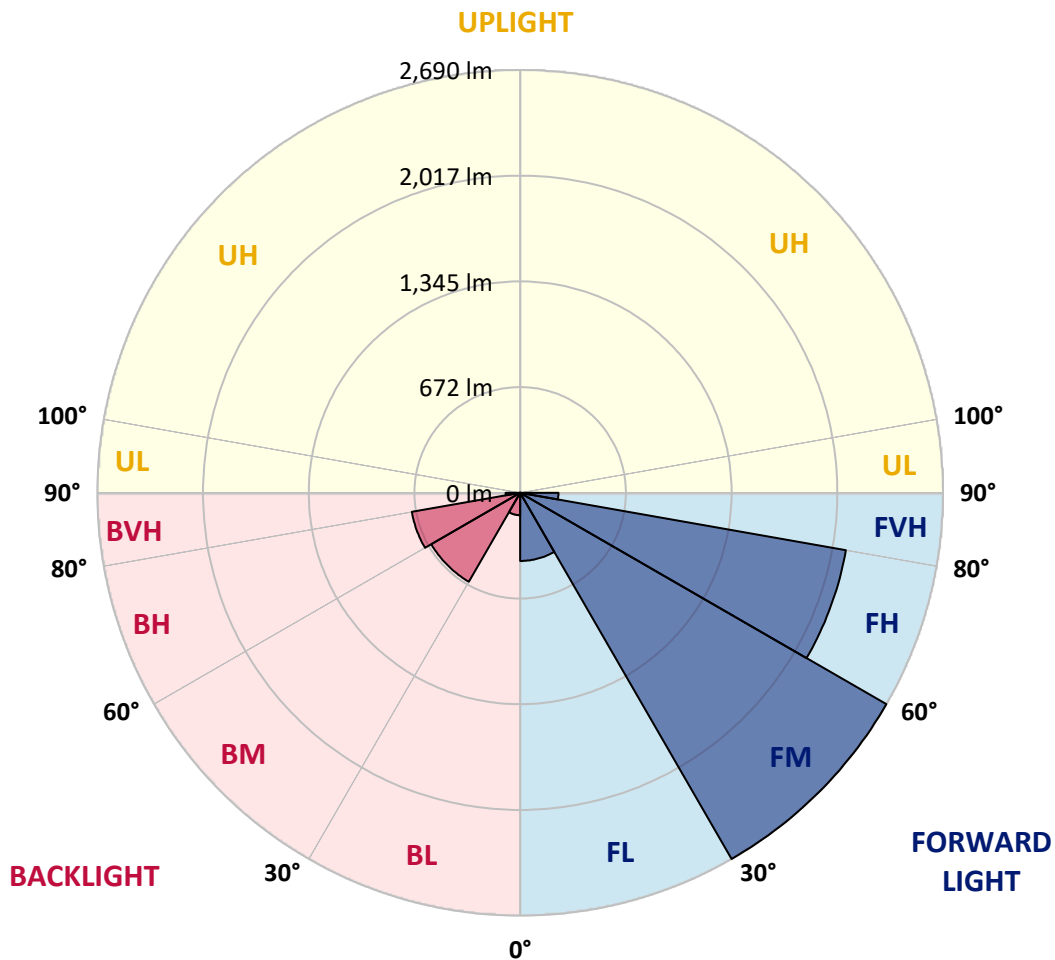
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	433.5	6.1			
FM	(30°-60°)	2689.7	38.1			
FH	(60°-80°)	2103.7	29.8			G2/5000
FVH	(80°-90°)	243.4	3.4			G3/500
BL	(0°-30°)	142.5	2.0	B1/500		
BM	(30°-60°)	652.7	9.2	B1/1000		
BH	(60°-80°)	699.6	9.9	B2/1000		G2/1000
BVH	(80°-90°)	92.8	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4
2.5°	478.9	477.2	476.4	472.2	466.3	457.1	450.3	437.7	433.5	427.6	419.2
5°	540.2	538.6	537.7	530.1	519.2	506.6	490.7	473.0	459.6	453.7	433.5
7.5°	610.0	605.8	597.4	583.9	566.3	545.3	525.1	501.6	485.6	474.7	447.8
10°	695.7	691.5	676.3	652.8	624.2	591.5	557.9	529.3	512.5	499.9	463.8
12.5°	782.2	778.0	757.0	727.6	688.1	642.7	597.4	560.4	542.8	526.8	483.9
15°	984.7	983.0	913.3	841.9	774.6	718.3	664.6	609.1	580.6	562.1	510.0
17.5°	1336.7	1312.4	1201.4	1048.5	919.1	825.9	757.0	674.7	635.2	606.6	537.7
20°	1509.8	1497.2	1407.3	1285.5	1133.4	988.0	887.2	783.9	704.1	660.4	564.6
22.5°	1616.5	1608.1	1516.5	1429.1	1330.8	1191.4	1039.3	909.9	811.6	742.7	615.8
25°	1677.8	1674.5	1614.0	1539.2	1459.4	1374.5	1231.7	1062.0	930.1	846.9	679.7
27.5°	1708.9	1711.4	1660.2	1615.7	1587.1	1531.6	1424.9	1207.3	1073.7	973.8	762.0
30°	1837.5	1837.5	1777.8	1706.4	1705.6	1687.1	1598.8	1363.6	1229.2	1123.3	876.3
32.5°	2050.0	2072.7	1972.7	1858.5	1834.9	1840.0	1762.7	1542.6	1391.3	1295.5	1023.3
35°	2316.4	2330.6	2201.3	2049.2	1998.8	1966.0	1912.2	1730.8	1569.4	1470.3	1188.8
37.5°	2479.4	2499.5	2392.0	2246.6	2154.2	2096.2	2053.4	1916.4	1795.4	1692.9	1387.1
40°	2612.9	2630.6	2520.5	2363.4	2283.6	2207.1	2179.4	2089.5	1988.7	1897.1	1576.2
42.5°	2641.5	2664.2	2536.5	2428.1	2338.2	2286.1	2267.6	2232.3	2165.1	2071.9	1760.2
45°	2423.9	2465.1	2479.4	2410.5	2363.4	2342.4	2341.6	2357.5	2308.0	2229.8	1941.6
47.5°	2401.2	2446.6	2416.3	2432.3	2378.5	2372.6	2393.7	2462.5	2431.5	2378.5	2101.3
50°	2660.8	2677.6	2514.6	2519.7	2445.7	2448.3	2470.9	2557.5	2547.4	2512.1	2244.1
52.5°	2791.1	2814.6	2594.5	2536.5	2536.5	2549.9	2578.5	2668.4	2664.2	2653.3	2378.5
55°	2990.2	3007.8	2773.4	2607.1	2595.3	2626.4	2703.7	2805.3	2818.8	2801.1	2529.8
57.5°	2878.4	2912.0	2763.3	2638.1	2597.8	2635.6	2792.7	2949.8	2991.0	2950.7	2676.8
60°	2701.2	2729.7	2621.3	2553.3	2536.5	2590.3	2800.3	3045.6	3114.5	3075.0	2796.1
62.5°	2485.2	2518.0	2429.8	2409.6	2410.5	2485.2	2735.6	3051.5	3164.1	3135.5	2849.0
65°	2224.8	2263.4	2214.7	2235.7	2246.6	2357.5	2610.4	2985.1	3116.2	3109.5	2837.3
67.5°	2009.7	2031.5	1986.2	2034.9	2050.0	2177.7	2450.8	2851.5	2982.6	2983.5	2744.8
70°	1807.2	1822.3	1766.0	1813.9	1840.8	1976.1	2264.3	2648.2	2769.2	2778.5	2577.7
72.5°	1614.0	1593.0	1531.6	1571.1	1616.5	1753.4	2046.7	2387.8	2477.7	2496.2	2339.9
75°	1384.6	1354.4	1282.1	1326.6	1367.8	1500.5	1784.5	2061.8	2157.6	2155.0	2036.6
77.5°	1147.7	1114.1	1047.7	1076.3	1119.1	1240.1	1483.7	1699.7	1765.2	1806.4	1678.7
80°	866.2	851.1	800.7	816.6	847.7	952.8	1162.8	1324.1	1370.3	1372.0	1288.8
82.5°	613.3	594.8	565.4	562.1	596.5	678.0	833.5	932.6	957.0	968.7	874.6
85°	329.3	335.2	329.3	300.8	339.4	395.7	483.1	542.8	552.8	570.5	495.7
87.5°	90.7	79.8	89.1	85.7	92.4	105.0	126.9	156.3	158.8	162.2	137.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4	413.4
2.5°	414.2	410.0	401.6	395.7	390.7	386.5	384.8	383.1	381.4	380.6	381.4
5°	424.3	415.9	400.8	388.2	378.9	370.5	365.5	360.4	357.1	356.2	356.2
7.5°	433.5	421.8	400.8	383.1	368.8	356.2	345.3	337.7	331.9	329.3	327.7
10°	446.1	431.0	403.3	380.6	359.6	342.0	328.5	318.4	311.7	310.0	306.7
12.5°	461.3	441.9	407.5	378.9	352.9	331.0	315.1	303.3	295.7	290.7	289.0
15°	481.4	455.4	413.4	377.2	347.0	322.6	304.1	288.2	276.4	268.9	268.9
17.5°	500.7	469.7	420.1	375.6	342.0	313.4	290.7	273.1	260.5	254.6	252.9
20°	517.5	480.6	421.8	371.4	334.4	302.5	276.4	258.8	247.0	240.3	240.3
22.5°	554.5	510.0	437.7	378.1	333.5	294.9	268.0	247.9	233.6	226.0	225.2
25°	605.8	546.1	458.7	387.3	333.5	291.5	260.5	236.1	220.1	213.4	212.6
27.5°	675.5	598.2	484.8	399.9	335.2	288.2	251.2	226.0	209.2	200.8	200.8
30°	764.6	670.5	520.1	415.0	338.6	284.0	242.8	214.2	194.9	184.8	184.8
32.5°	878.0	751.1	568.0	433.5	342.8	280.6	235.2	202.5	182.3	172.2	171.4
35°	1033.4	878.0	632.7	463.8	351.2	277.3	226.8	192.4	172.2	163.0	162.2
37.5°	1204.0	1015.8	720.9	503.3	368.8	278.9	223.5	187.4	166.4	157.1	156.3
40°	1391.3	1176.2	823.4	554.5	391.5	287.3	224.3	187.4	165.5	156.3	155.4
42.5°	1566.9	1350.2	930.9	618.4	421.8	303.3	230.2	186.5	163.8	152.9	152.1
45°	1729.1	1503.9	1056.9	702.4	461.3	317.6	233.6	183.2	159.6	149.6	147.9
47.5°	1887.0	1655.1	1196.4	790.6	505.8	332.7	235.2	181.5	156.3	146.2	145.3
50°	2044.1	1819.0	1334.2	879.7	551.2	351.2	237.8	181.5	151.2	142.0	140.3
52.5°	2185.3	1961.0	1461.1	960.3	598.2	374.7	244.5	179.8	147.0	136.9	136.1
55°	2315.5	2081.9	1574.5	1035.9	647.8	399.1	253.7	175.6	143.7	131.9	131.1
57.5°	2444.1	2182.8	1654.3	1101.5	691.5	420.9	259.6	173.1	139.5	125.2	123.5
60°	2550.8	2281.1	1707.2	1150.2	725.9	437.7	263.0	172.2	133.6	117.6	116.8
62.5°	2611.3	2337.4	1744.2	1183.8	747.8	447.8	265.5	169.7	126.9	110.9	107.5
65°	2604.5	2339.9	1757.6	1194.7	756.2	449.5	263.0	163.0	122.7	101.7	98.3
67.5°	2526.4	2281.9	1729.9	1181.3	745.2	440.3	254.6	152.1	115.1	90.7	89.9
70°	2386.1	2155.9	1639.2	1129.2	716.7	416.7	239.4	140.3	105.0	82.3	79.8
72.5°	2162.6	1960.1	1497.2	1048.5	660.4	382.3	220.1	128.5	94.1	77.3	73.1
75°	1894.6	1710.6	1303.9	925.0	589.0	338.6	194.9	115.1	81.5	71.4	68.1
77.5°	1565.2	1421.6	1082.1	773.8	496.5	291.5	166.4	99.1	68.1	64.7	63.9
80°	1200.6	1075.4	831.8	602.4	392.4	232.7	136.1	84.9	56.3	55.5	57.1
82.5°	808.2	731.8	563.8	424.3	284.0	168.0	102.5	65.5	46.2	46.2	47.0
85°	444.5	402.4	328.5	234.4	167.2	105.9	68.9	47.9	37.0	36.1	37.0
87.5°	124.3	111.7	94.9	73.1	61.3	42.8	34.4	29.4	26.0	26.0	26.0
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)