

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: P472344

Luminaire Tested: **CCP-VA-4-835-U-T3**

Issue Date: 01/27/2021



Test Information

Test Method: LM-79-08
Report Number: P472344
Test Lab: INNOVATION CENTER(G3)
Issue Date: 01/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-VA-4-835-U-T3
Description: INVUE CLEARCURVE POLE MOUNT Wave Stream LUMINAIRE WITH T3
DISTRIBUTION LENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

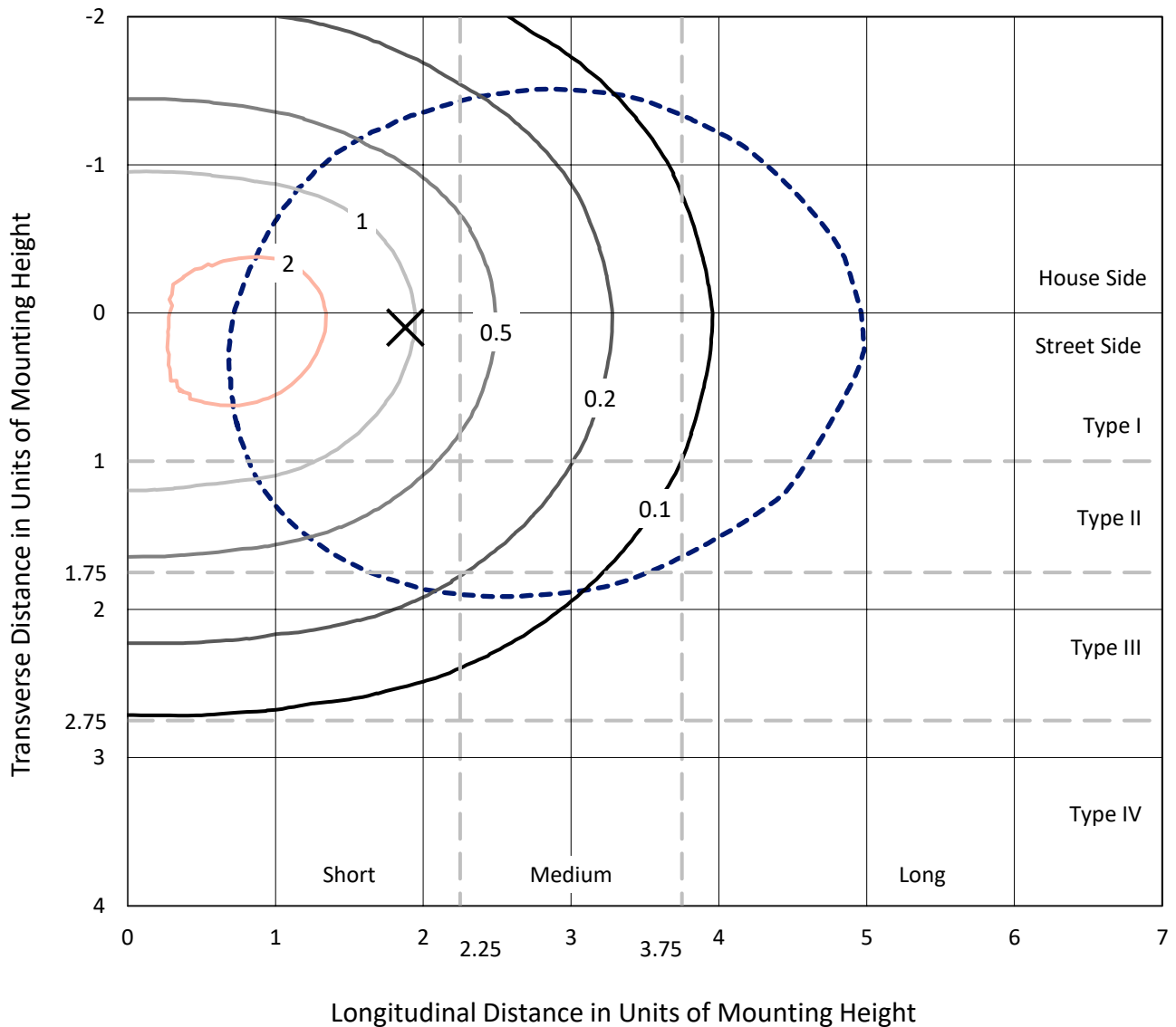
Lumens per Lamp: N/A
Luminaire Lumens: 5378 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.54' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 64.6
Input Voltage (V): 120
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: 25 FT

REPORT NUMBER: P472344
 CATALOG NUMBER: CCP-VA-4-835-U-T3

Iso-Footcandle Lines of Horizontal Illumination

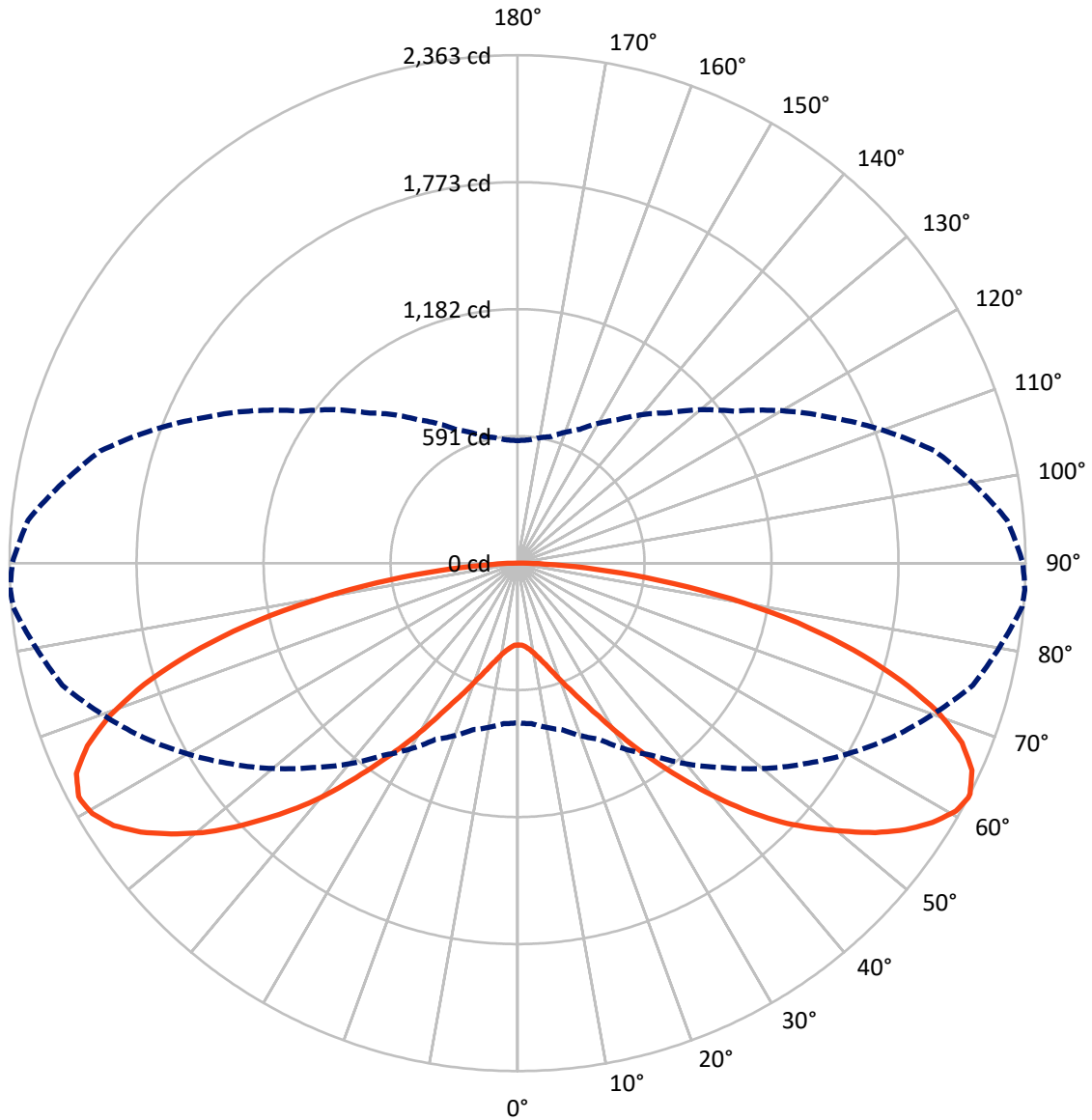
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - N/A

REPORT NUMBER: P472344
CATALOG NUMBER: CCP-VA-4-835-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 87-Deg Lateral - - - Horizontal Cone Through 62-Deg Vertical

REPORT NUMBER: P472344
 CATALOG NUMBER: CCP-VA-4-835-U-T3

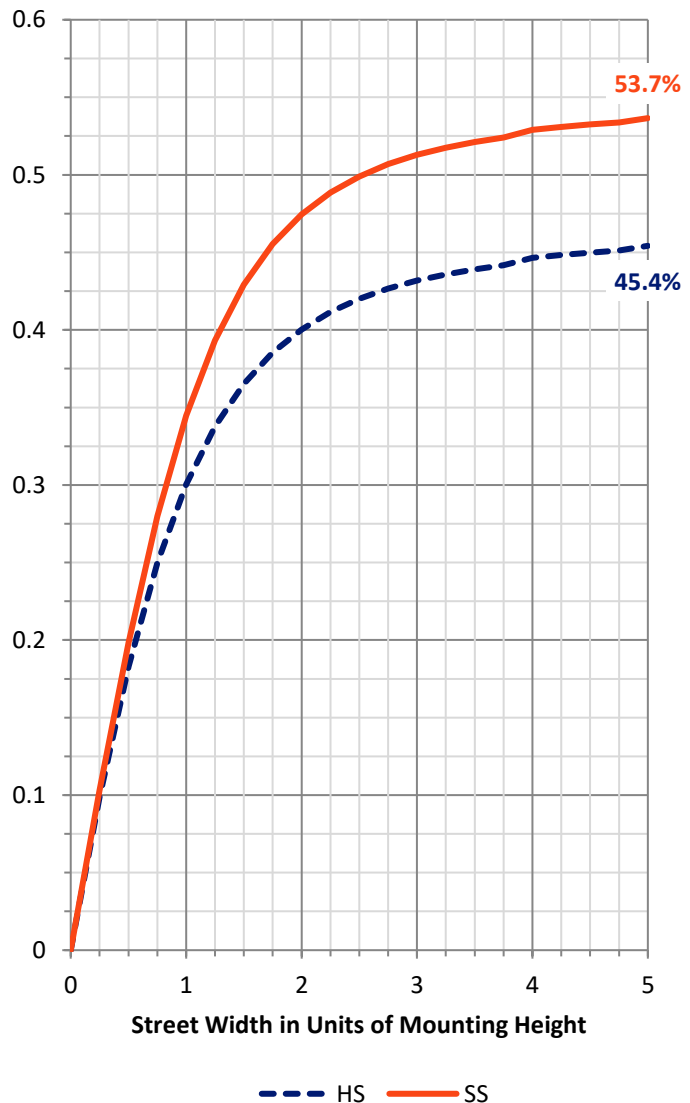
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2476.2	0.0	2476.2
	% Fixture	46.0	0.0	46.0
Street Side	Lumens	2901.8	0.0	2901.8
	% Fixture	54.0	0.0	54.0
Total	Lumens	5378.0	0.0	5378.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	0.7
10°-20°	135.1	2.5
20°-30°	288.9	5.4
30°-40°	532.5	9.9
40°-50°	849.3	15.8
50°-60°	1154.9	21.5
60°-70°	1251.2	23.3
70°-80°	894.1	16.6
80°-90°	233.7	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°	5378.0	100.0
0°-180°	5378.0	100.0



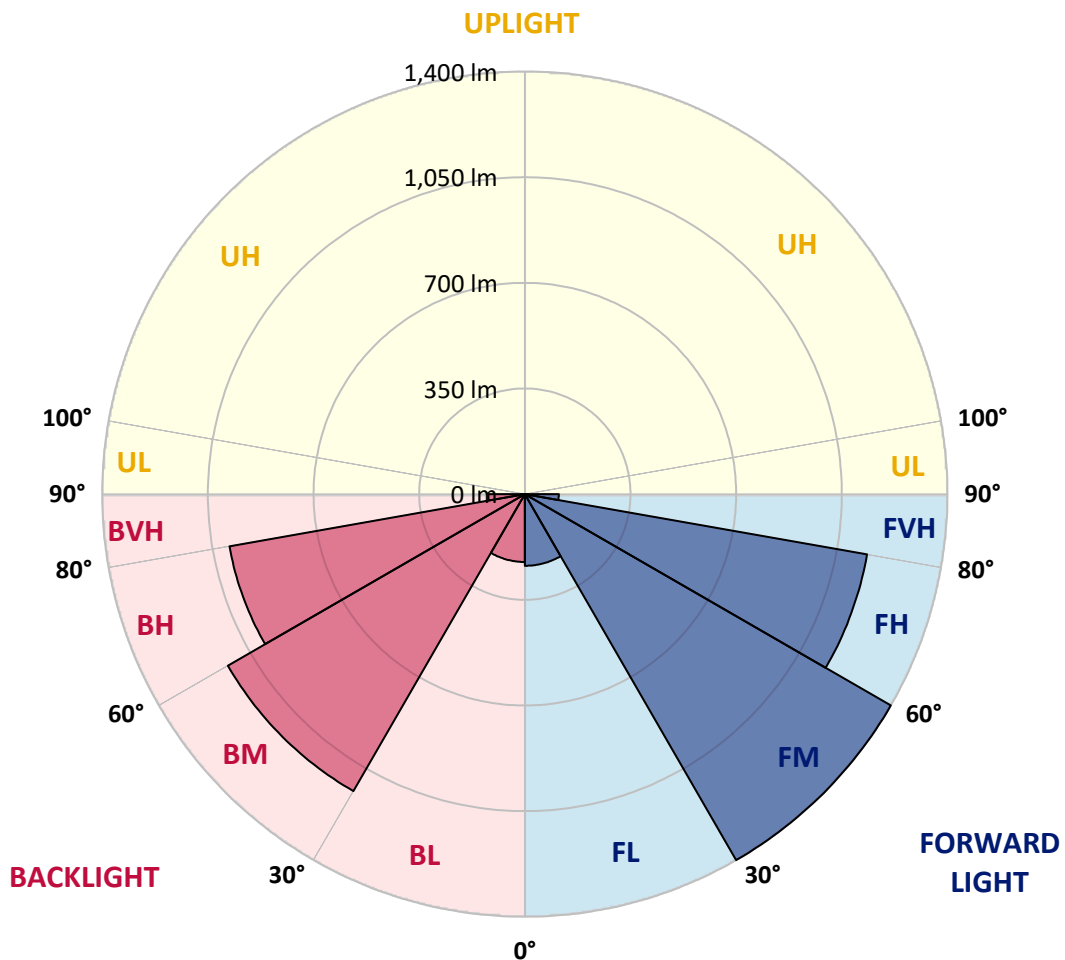
REPORT NUMBER: P472344
 CATALOG NUMBER: CCP-VA-4-835-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.5	4.4			
FM (30°-60°)	1400.4	26.0			
FH (60°-80°)	1151.4	21.4			G1/1800
FVH (80°-90°)	112.6	2.1			G2/225
BL (0°-30°)	224.9	4.2	B1/500		
BM (30°-60°)	1136.3	21.1	B2/2500		
BH (60°-80°)	993.9	18.5	B2/1000		G2/1000
BVH (80°-90°)	121.1	2.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P472344

CATALOG NUMBER: CCP-VA-4-835-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87°	
0°	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6
2.5°	381.5	381.5	381.5	381.5	381.5	381.5	381.5	381.5	381.5	381.5	382.3	382.3
5°	384.1	383.2	383.2	384.1	384.9	385.8	387.5	388.4	390.1	391.9	391.9	391.0
7.5°	391.9	391.9	391.9	392.7	395.3	397.1	399.7	402.3	404.9	406.6	406.6	405.7
10°	404.0	404.0	404.0	405.7	408.3	413.5	417.9	422.2	424.8	426.6	426.6	427.4
12.5°	417.0	417.0	418.8	422.2	427.4	434.4	442.2	448.2	452.6	454.3	454.3	455.2
15°	435.2	436.1	439.6	443.0	450.0	460.4	473.4	482.0	486.4	489.8	489.8	489.0
17.5°	463.0	462.1	464.7	472.5	480.3	495.0	510.6	525.4	534.1	534.1	534.1	534.1
20°	494.2	493.3	495.0	501.1	514.1	534.1	558.3	578.3	587.8	586.1	586.1	587.8
22.5°	528.9	528.9	530.6	535.8	548.8	577.4	611.2	640.7	653.7	649.4	649.4	647.6
25°	567.0	567.0	569.6	573.9	592.1	626.8	671.9	714.4	727.4	723.1	723.1	721.3
27.5°	611.2	607.8	613.0	617.3	639.8	685.8	744.7	798.5	827.1	812.4	812.4	807.2
30°	658.0	655.4	656.3	665.0	691.0	749.9	820.2	892.1	932.0	922.5	922.5	914.7
32.5°	698.8	700.5	703.1	717.9	747.3	818.4	899.9	994.4	1039.5	1036.9	1036.9	1035.2
35°	744.7	744.7	749.9	763.8	807.2	891.3	990.1	1096.7	1163.5	1166.1	1166.1	1160.9
37.5°	781.1	781.1	788.9	807.2	858.3	958.0	1079.4	1205.1	1285.7	1299.6	1299.6	1295.3
40°	813.2	811.5	820.2	847.0	906.9	1029.1	1167.0	1312.6	1421.0	1444.4	1444.4	1438.3
42.5°	832.3	834.0	846.2	880.0	953.7	1091.5	1252.8	1414.0	1540.6	1580.5	1580.5	1580.5
45°	846.2	847.9	866.1	906.0	996.2	1153.1	1330.8	1518.1	1657.7	1715.7	1715.7	1718.3
47.5°	852.2	854.8	877.4	925.9	1031.7	1209.4	1406.2	1611.7	1762.6	1844.9	1844.9	1839.7
50°	852.2	855.7	882.6	940.7	1063.8	1257.1	1477.3	1701.0	1869.2	1961.1	1961.1	1960.2
52.5°	847.0	851.4	884.3	951.9	1090.7	1303.1	1540.6	1777.3	1971.5	2079.9	2079.9	2083.3
55°	836.6	841.8	880.0	958.9	1111.5	1339.5	1591.8	1848.4	2059.9	2182.2	2182.2	2190.0
57.5°	815.8	821.0	864.4	952.8	1119.3	1358.6	1629.1	1898.7	2131.9	2274.9	2274.9	2276.7
60°	781.1	787.2	834.0	932.9	1111.5	1359.4	1638.6	1921.2	2180.4	2337.4	2337.4	2343.4
62°	743.0	749.9	802.8	905.1	1091.5	1345.5	1628.2	1920.4	2193.5	2355.6	2355.6	2363.4
62.5°	733.5	739.5	793.3	895.6	1083.7	1338.6	1622.1	1916.0	2191.7	2356.4	2356.4	2362.5
65°	674.5	680.6	735.2	843.6	1036.0	1296.1	1577.9	1877.9	2160.5	2321.8	2321.8	2323.5
67.5°	609.5	615.6	670.2	772.5	967.5	1225.0	1503.3	1802.4	2077.3	2216.9	2216.9	2229.9
70°	534.1	542.7	593.0	694.4	877.4	1122.7	1385.4	1682.8	1944.6	2063.4	2063.4	2075.5
72.5°	459.5	465.6	505.4	594.7	760.3	988.4	1232.8	1501.6	1740.0	1852.7	1852.7	1863.1
75°	372.8	378.0	417.0	490.7	629.4	823.6	1054.2	1289.2	1505.9	1607.4	1607.4	1615.2
77.5°	293.9	295.6	323.4	382.3	489.0	645.9	836.6	1022.2	1219.0	1310.9	1310.9	1331.7
80°	207.2	215.9	235.0	275.7	343.3	463.0	600.8	759.5	897.3	1000.5	1000.5	1007.4
82.5°	134.4	136.1	148.3	163.0	211.5	292.2	382.3	480.3	603.4	670.2	670.2	665.0
85°	70.2	70.2	74.6	78.9	95.4	130.9	184.7	253.2	325.1	375.4	375.4	368.5
87.5°	12.1	11.3	12.1	11.3	14.7	20.8	39.0	63.3	95.4	112.7	112.7	124.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P472344
 CATALOG NUMBER: CCP-VA-4-835-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6
2.5°	382.3	382.3	383.2	384.9	384.9	385.8	386.7	386.7	387.5	388.4	388.4
5°	392.7	392.7	393.6	395.3	396.2	396.2	397.1	397.9	397.9	397.9	398.8
7.5°	406.6	407.5	408.3	409.2	410.1	410.1	412.7	411.8	411.8	411.8	411.8
10°	426.6	428.3	428.3	428.3	428.3	427.4	428.3	427.4	425.7	425.7	424.8
12.5°	456.0	456.0	454.3	452.6	450.0	449.1	448.2	445.6	442.2	440.4	440.4
15°	489.8	488.1	484.6	481.2	476.8	473.4	467.3	463.8	459.5	457.8	457.8
17.5°	533.2	530.6	521.1	514.1	503.7	495.9	489.0	482.0	476.8	475.1	474.2
20°	582.6	576.5	562.7	547.1	533.2	521.1	508.0	499.4	494.2	489.8	489.0
22.5°	645.0	636.4	612.1	587.8	562.7	545.3	528.9	516.7	507.2	502.8	501.1
25°	712.7	699.7	668.4	632.0	597.3	570.5	549.7	533.2	521.9	515.0	513.3
27.5°	798.5	779.4	733.5	678.8	632.9	599.1	570.5	551.4	536.7	526.3	524.5
30°	899.1	879.1	802.8	730.9	672.8	625.1	593.9	568.7	550.5	538.4	535.8
32.5°	1018.7	982.3	894.7	793.3	713.5	655.4	615.6	586.1	563.5	549.7	546.2
35°	1140.1	1102.8	987.5	859.2	756.9	686.6	639.0	603.4	578.3	560.9	559.2
37.5°	1276.2	1231.1	1095.9	933.7	803.7	719.6	660.6	619.9	589.5	571.3	569.6
40°	1422.7	1376.8	1212.0	1019.6	859.2	751.7	681.4	635.5	601.7	581.7	579.1
42.5°	1566.6	1512.0	1329.9	1105.4	915.5	787.2	705.7	652.0	612.1	591.3	587.8
45°	1691.5	1643.8	1449.6	1204.2	980.6	823.6	730.0	667.6	623.4	599.9	596.5
47.5°	1832.8	1781.6	1580.5	1295.3	1043.0	865.2	753.4	681.4	632.9	607.8	605.2
50°	1957.6	1911.7	1696.7	1379.4	1102.8	904.3	775.1	694.4	640.7	613.8	610.4
52.5°	2071.2	2030.5	1803.3	1458.3	1153.9	940.7	795.0	704.0	645.9	616.4	612.1
55°	2185.7	2132.8	1896.1	1527.6	1194.7	969.3	811.5	708.3	645.0	614.7	610.4
57.5°	2271.5	2221.2	1963.7	1577.0	1225.0	988.4	821.0	707.5	639.8	606.9	601.7
60°	2329.6	2274.1	2003.6	1601.3	1235.4	994.4	821.0	699.7	626.8	591.3	586.1
62°	2351.2	2287.1	2011.4	1604.8	1231.1	988.4	815.0	686.6	609.5	574.8	569.6
62.5°	2352.1	2286.2	2008.8	1602.2	1228.5	985.8	811.5	682.3	605.2	569.6	564.4
65°	2314.0	2248.1	1977.6	1575.3	1199.0	962.3	787.2	657.2	574.8	540.1	534.9
67.5°	2204.7	2154.4	1903.0	1512.9	1148.7	919.0	751.7	620.8	539.3	502.8	500.2
70°	2053.0	2007.1	1781.6	1418.4	1075.9	856.6	698.8	572.2	494.2	461.2	455.2
72.5°	1862.3	1802.4	1609.1	1291.8	971.0	770.7	629.4	511.5	442.2	412.7	409.2
75°	1625.6	1553.6	1392.4	1124.5	845.3	667.6	548.8	443.9	382.3	357.2	359.8
77.5°	1323.9	1290.1	1125.3	896.5	688.4	552.3	450.0	376.3	323.4	302.6	300.8
80°	999.6	967.5	852.2	680.6	520.2	417.9	348.5	296.5	260.1	241.9	241.0
82.5°	678.0	647.6	560.1	456.9	354.6	295.6	252.3	218.5	195.9	187.3	187.3
85°	372.8	346.8	296.5	247.1	200.3	169.1	163.0	145.7	139.6	137.8	139.6
87.5°	116.2	115.3	98.0	80.6	70.2	71.1	64.2	65.9	62.4	61.6	65.9
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)