

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: P472146

Luminaire Tested: **CCW-VA-6-727-U-T4W**

Issue Date: 01/27/2021

Test Information

Test Method: LM-79-08
Report Number: P472146
Test Lab: INNOVATION CENTER(G3)
Issue Date: 01/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-VA-6-727-U-T4W
Description: INVUE WALL PACK Wave Stream LUMINAIRE WITH T4W DISTRIBUTION LENS
Light Source: 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9222.8 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.54' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

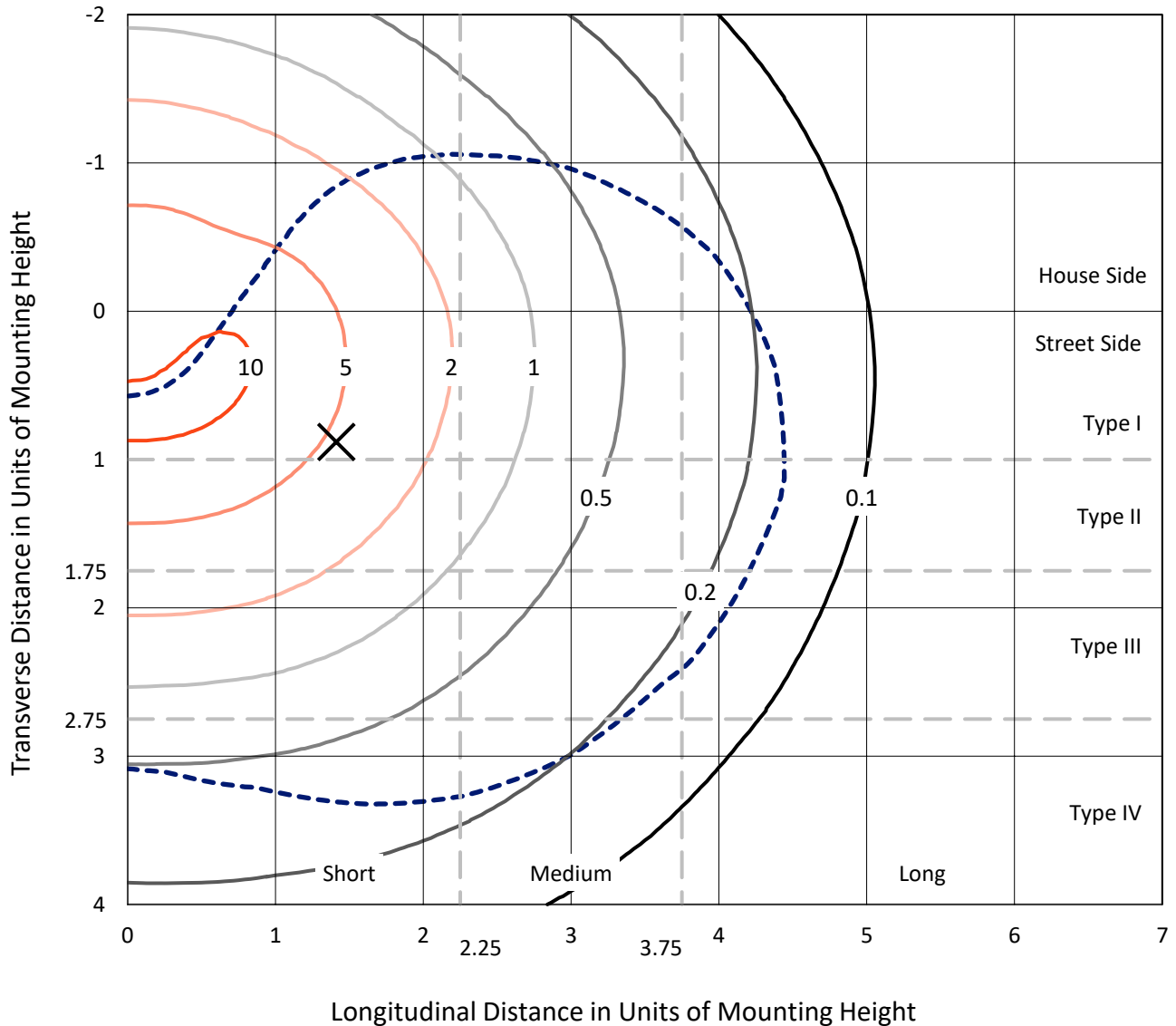
Input Watts (W): 101.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P472146
 CATALOG NUMBER: CCW-VA-6-727-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

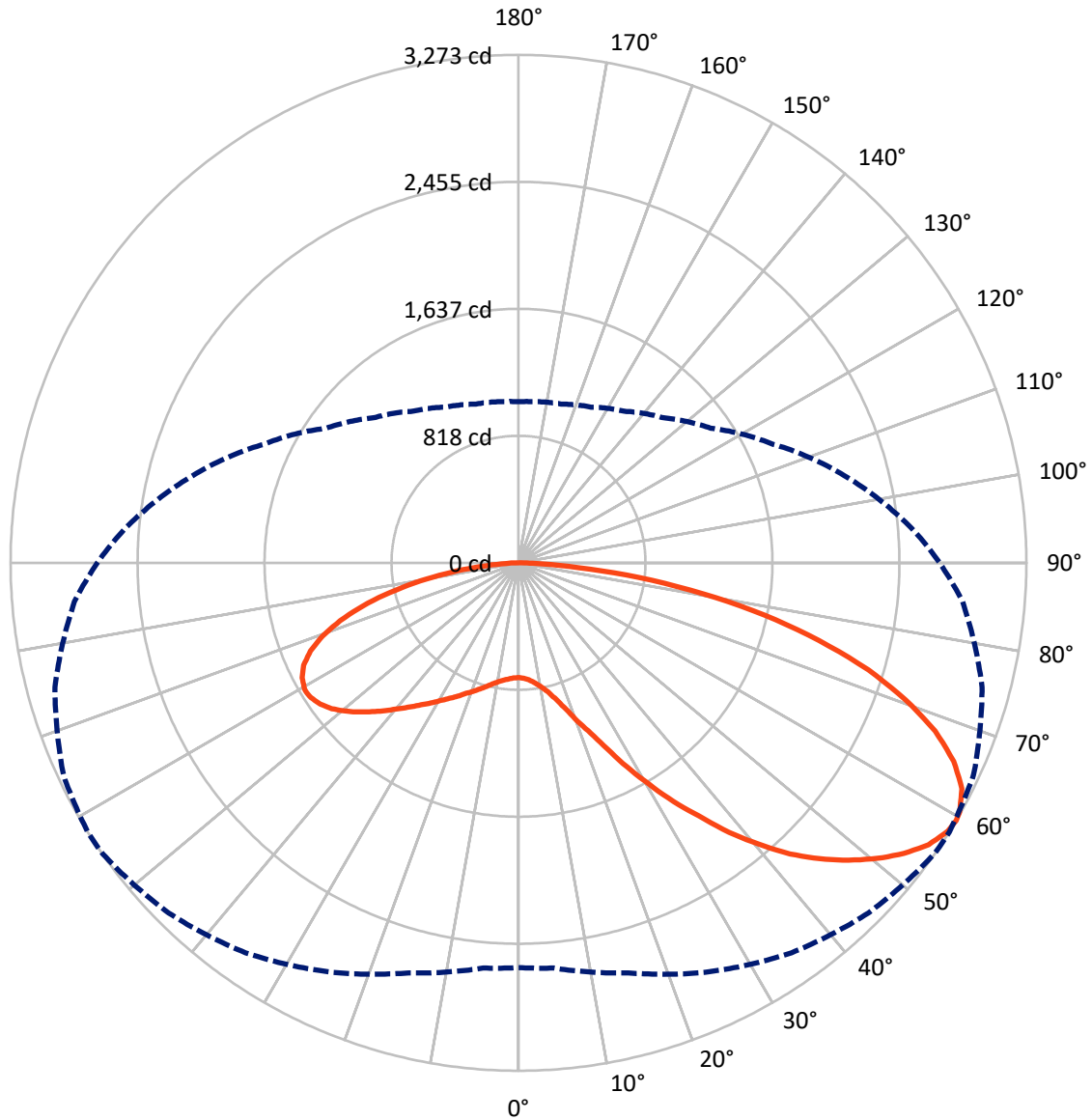
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P472146
CATALOG NUMBER: CCW-VA-6-727-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

REPORT NUMBER: P472146
 CATALOG NUMBER: CCW-VA-6-727-U-T4W

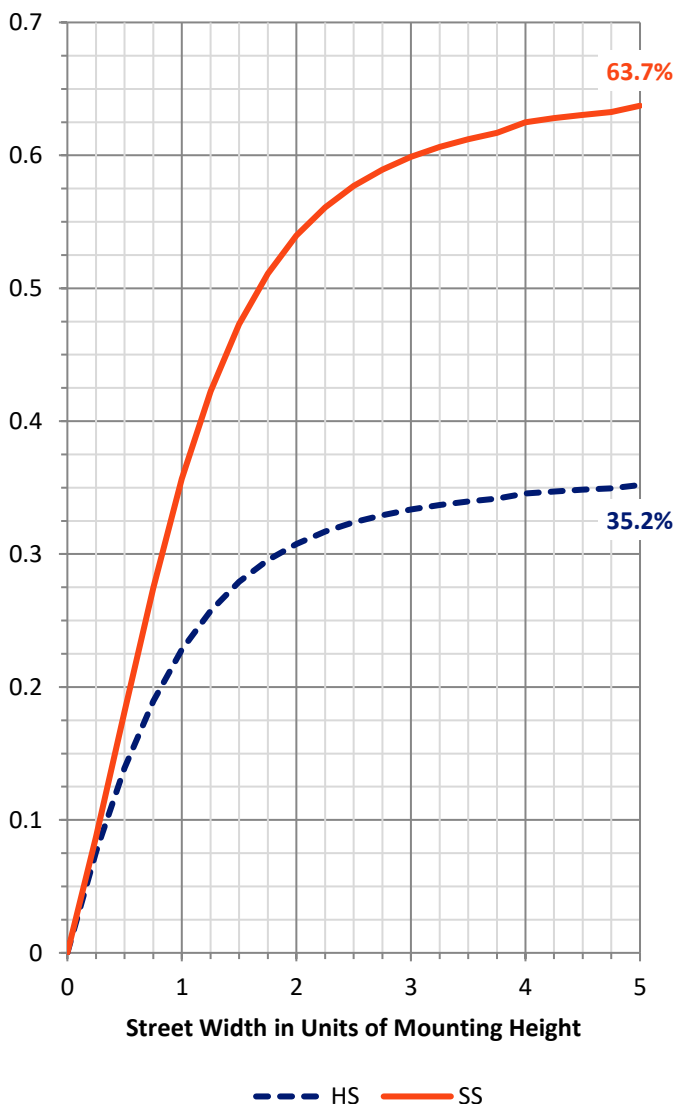
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3289.2	0.0	3289.2
	% Fixture	35.7	0.0	35.7
Street Side	Lumens	5933.6	0.0	5933.6
	% Fixture	64.3	0.0	64.3
Total	Lumens	9222.8	0.0	9222.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	0.8
10°-20°	250.2	2.7
20°-30°	528.0	5.7
30°-40°	971.8	10.5
40°-50°	1514.7	16.4
50°-60°	1990.3	21.6
60°-70°	2085.5	22.6
70°-80°	1445.9	15.7
80°-90°	363.1	3.9
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°	9222.8	100.0
0°-180°	9222.8	100.0

Coefficient of Utilization



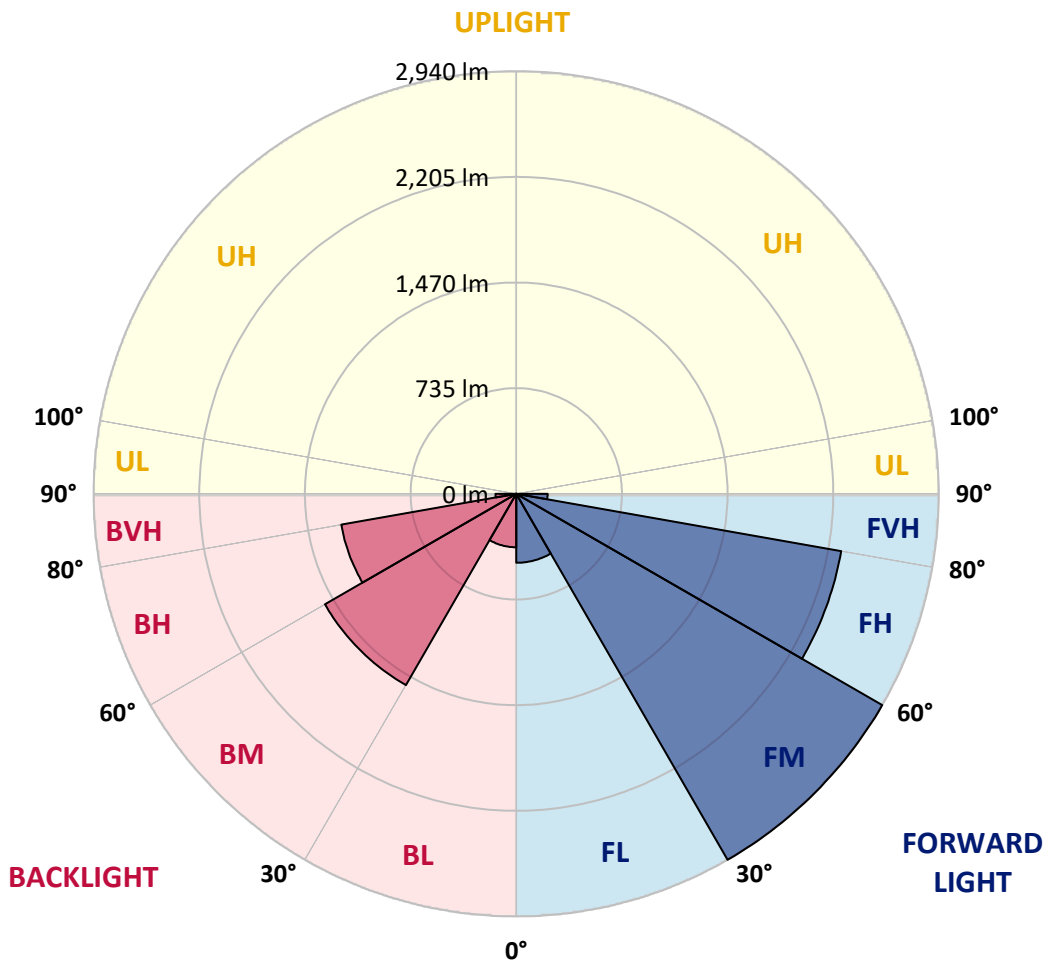
REPORT NUMBER: P472146
 CATALOG NUMBER: CCW-VA-6-727-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	479.8	5.2			
FM (30°-60°)	2940.1	31.9			
FH (60°-80°)	2295.6	24.9			G2/5000
FVH (80°-90°)	218.2	2.4			G2/225
BL (0°-30°)	371.8	4.0	B1/500		
BM (30°-60°)	1536.7	16.7	B2/2500		
BH (60°-80°)	1235.9	13.4	B3/2500		G3/2500
BVH (80°-90°)	144.9	1.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





REPORT NUMBER: P472146

CATALOG NUMBER: CCW-VA-6-727-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3
2.5°	749.7	749.7	749.7	747.7	747.7	747.7	745.6	745.6	745.6	743.5	741.4
5°	766.3	766.3	764.3	766.3	764.3	762.2	760.1	760.1	760.1	758.0	756.0
7.5°	789.2	791.3	789.2	791.3	789.2	787.1	783.0	783.0	780.9	776.7	772.6
10°	824.5	824.5	824.5	822.4	820.3	818.3	816.2	814.1	812.0	805.8	799.6
12.5°	868.1	868.1	868.1	864.0	864.0	859.8	857.7	855.7	851.5	843.2	834.9
15°	922.1	920.0	926.3	926.3	924.2	924.2	918.0	913.8	909.6	897.2	878.5
17.5°	994.8	992.7	999.0	1003.1	1003.1	1005.2	994.8	990.6	976.1	959.5	934.6
20°	1092.4	1088.3	1094.5	1098.6	1094.5	1098.6	1088.3	1090.3	1069.6	1040.5	1001.0
22.5°	1198.3	1198.3	1204.6	1204.6	1206.6	1210.8	1198.3	1192.1	1175.5	1133.9	1084.1
25°	1329.2	1339.6	1339.6	1339.6	1347.9	1349.9	1337.5	1327.1	1304.2	1248.2	1179.6
27.5°	1489.1	1487.0	1484.9	1497.4	1497.4	1501.5	1493.2	1489.1	1462.1	1393.5	1289.7
30°	1659.4	1646.9	1655.2	1659.4	1667.7	1673.9	1665.6	1653.2	1619.9	1545.2	1416.4
32.5°	1815.1	1823.5	1835.9	1840.1	1852.5	1854.6	1833.8	1833.8	1800.6	1705.1	1572.2
35°	1991.7	1991.7	2024.9	2039.4	2039.4	2051.9	2020.7	2004.1	1981.3	1881.6	1713.4
37.5°	2145.4	2149.5	2176.5	2209.7	2213.9	2232.6	2209.7	2203.5	2162.0	2060.2	1873.3
40°	2288.7	2292.8	2326.0	2365.5	2388.3	2417.4	2394.6	2384.2	2340.6	2224.3	2033.2
42.5°	2400.8	2409.1	2450.7	2508.8	2546.2	2581.5	2571.1	2564.9	2504.6	2382.1	2180.7
45°	2486.0	2500.5	2558.6	2627.2	2679.1	2731.0	2733.1	2720.6	2664.6	2527.5	2324.0
47.5°	2554.5	2571.1	2635.5	2722.7	2801.6	2866.0	2878.5	2863.9	2812.0	2668.7	2452.7
50°	2610.6	2618.9	2691.6	2803.7	2901.3	2982.3	3007.2	2994.8	2949.1	2787.1	2564.9
52.5°	2639.6	2652.1	2735.2	2863.9	2982.3	3079.9	3117.3	3111.1	3057.1	2895.1	2664.6
55°	2654.2	2666.6	2764.3	2911.7	3044.6	3158.8	3204.5	3206.6	3154.7	2992.7	2758.0
57.5°	2637.6	2654.2	2760.1	2924.2	3071.6	3194.2	3264.8	3262.7	3221.2	3067.5	2836.9
59°	2608.5	2621.0	2735.2	2907.6	3067.5	3190.0	3271.0	3273.1	3235.7	3092.4	2872.2
60°	2575.3	2589.8	2706.1	2886.8	3050.9	3175.5	3260.6	3264.8	3233.6	3098.6	2886.8
62.5°	2461.0	2479.7	2608.5	2801.6	2980.2	3098.6	3200.4	3206.6	3190.0	3082.0	2897.2
65°	2301.1	2317.7	2456.9	2662.5	2849.4	2971.9	3067.5	3082.0	3079.9	3007.2	2855.6
67.5°	2105.9	2108.0	2238.8	2463.1	2658.3	2778.8	2870.2	2895.1	2913.8	2866.0	2733.1
70°	1871.2	1869.1	1995.8	2218.0	2413.3	2540.0	2631.3	2648.0	2695.7	2658.3	2550.3
72.5°	1580.5	1605.4	1723.8	1910.7	2103.8	2245.0	2326.0	2357.2	2384.2	2392.5	2303.2
75°	1306.3	1333.3	1426.8	1601.2	1767.4	1898.2	1985.4	2000.0	2049.8	2062.3	1979.2
77.5°	1044.6	1046.7	1115.3	1254.4	1406.0	1514.0	1584.6	1622.0	1649.0	1673.9	1586.7
80°	733.1	743.5	791.3	891.0	1009.3	1123.6	1181.7	1206.6	1225.3	1241.9	1212.9
82.5°	459.0	463.1	494.3	554.5	635.5	699.9	760.1	780.9	785.0	822.4	818.3
85°	218.1	220.1	240.9	270.0	305.3	357.2	380.1	380.1	409.1	436.1	436.1
87.5°	29.1	29.1	35.3	39.5	49.8	64.4	89.3	91.4	108.0	120.5	130.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P472146
 CATALOG NUMBER: CCW-VA-6-727-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3
2.5°	741.4	741.4	741.4	741.4	741.4	739.3	741.4	741.4	741.4	741.4	741.4
5°	756.0	753.9	751.8	749.7	749.7	747.7	747.7	747.7	747.7	747.7	747.7
7.5°	770.5	768.4	766.3	762.2	760.1	758.0	758.0	756.0	756.0	756.0	756.0
10°	795.4	793.3	785.0	778.8	774.7	772.6	770.5	768.4	766.3	766.3	766.3
12.5°	828.7	824.5	810.0	801.7	795.4	791.3	787.1	785.0	783.0	780.9	780.9
15°	870.2	859.8	841.1	828.7	820.3	814.1	807.9	803.7	801.7	799.6	799.6
17.5°	920.0	907.6	882.7	859.8	845.3	834.9	826.6	820.3	818.3	818.3	818.3
20°	982.3	961.6	926.3	895.1	872.3	857.7	845.3	839.0	837.0	834.9	832.8
22.5°	1055.0	1028.0	976.1	928.3	899.3	878.5	864.0	855.7	849.4	847.3	847.3
25°	1138.1	1098.6	1030.1	972.0	932.5	903.4	884.7	874.3	864.0	859.8	859.8
27.5°	1237.8	1185.9	1094.5	1017.6	963.6	928.3	907.6	893.0	882.7	874.3	870.2
30°	1345.8	1287.6	1165.1	1067.5	999.0	959.5	934.6	918.0	903.4	888.9	886.8
32.5°	1482.9	1399.8	1250.2	1123.6	1040.5	990.6	961.6	940.8	922.1	907.6	903.4
35°	1622.0	1522.3	1339.6	1181.7	1079.9	1019.7	984.4	961.6	942.9	926.3	924.2
37.5°	1765.3	1659.4	1437.2	1250.2	1125.6	1052.9	1009.3	984.4	961.6	945.0	942.9
40°	1914.8	1790.2	1536.8	1320.9	1173.4	1086.2	1036.3	1005.2	980.3	965.7	963.6
42.5°	2056.1	1921.1	1644.8	1403.9	1229.5	1121.5	1063.3	1030.1	999.0	984.4	982.3
45°	2191.0	2045.7	1752.8	1480.8	1285.6	1158.9	1090.3	1050.9	1017.6	1003.1	1001.0
47.5°	2313.6	2168.2	1852.5	1563.8	1343.7	1200.4	1119.4	1071.6	1034.3	1019.7	1019.7
50°	2423.7	2272.0	1950.1	1640.7	1397.7	1241.9	1144.3	1090.3	1052.9	1038.4	1036.3
52.5°	2527.5	2363.4	2035.3	1707.1	1449.6	1279.3	1169.3	1104.9	1065.4	1048.8	1046.7
55°	2610.6	2446.5	2105.9	1761.1	1484.9	1304.2	1185.9	1113.2	1069.6	1055.0	1052.9
57.5°	2683.3	2515.0	2155.7	1798.5	1507.8	1318.8	1194.2	1113.2	1067.5	1050.9	1048.8
59°	2714.4	2544.1	2172.4	1808.9	1511.9	1320.9	1192.1	1106.9	1059.2	1042.6	1038.4
60°	2731.0	2556.6	2178.6	1811.0	1509.9	1316.7	1190.0	1100.7	1050.9	1032.2	1032.2
62.5°	2747.6	2567.0	2170.3	1794.4	1487.0	1293.9	1169.3	1075.8	1019.7	999.0	999.0
65°	2712.3	2529.6	2122.5	1748.7	1441.3	1254.4	1129.8	1034.3	972.0	951.2	951.2
67.5°	2608.5	2438.2	2035.3	1663.5	1366.5	1185.9	1065.4	967.8	909.6	886.8	880.6
70°	2432.0	2288.7	1898.2	1541.0	1264.8	1098.6	984.4	891.0	830.7	807.9	799.6
72.5°	2195.2	2054.0	1715.5	1391.5	1129.8	984.4	884.7	795.4	729.0	706.1	708.2
75°	1869.1	1769.5	1478.7	1202.5	974.0	839.0	756.0	681.2	625.1	606.4	608.5
77.5°	1516.1	1433.0	1198.3	980.3	795.4	691.6	621.0	560.7	523.4	513.0	506.7
80°	1160.9	1079.9	899.3	731.0	604.4	531.7	483.9	442.4	413.3	398.8	402.9
82.5°	778.8	729.0	596.0	483.9	411.2	359.3	342.7	315.7	305.3	297.0	303.2
85°	419.5	375.9	311.5	259.6	226.4	211.8	216.0	213.9	205.6	203.5	209.8
87.5°	137.1	118.4	91.4	76.8	78.9	70.6	70.6	66.5	60.2	58.2	62.3
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)