

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: P472311

Luminaire Tested: **CCW-VA-3-727-U-T3**

Issue Date: 01/27/2021

Test Information

Test Method: LM-79-08
Report Number: P472311
Test Lab: INNOVATION CENTER(G3)
Issue Date: 01/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-VA-3-727-U-T3
Description: INVUE WALL PACK Wave Stream LUMINAIRE WITH T3 DISTRIBUTION LENS
Light Source: 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4125.9 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.54' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

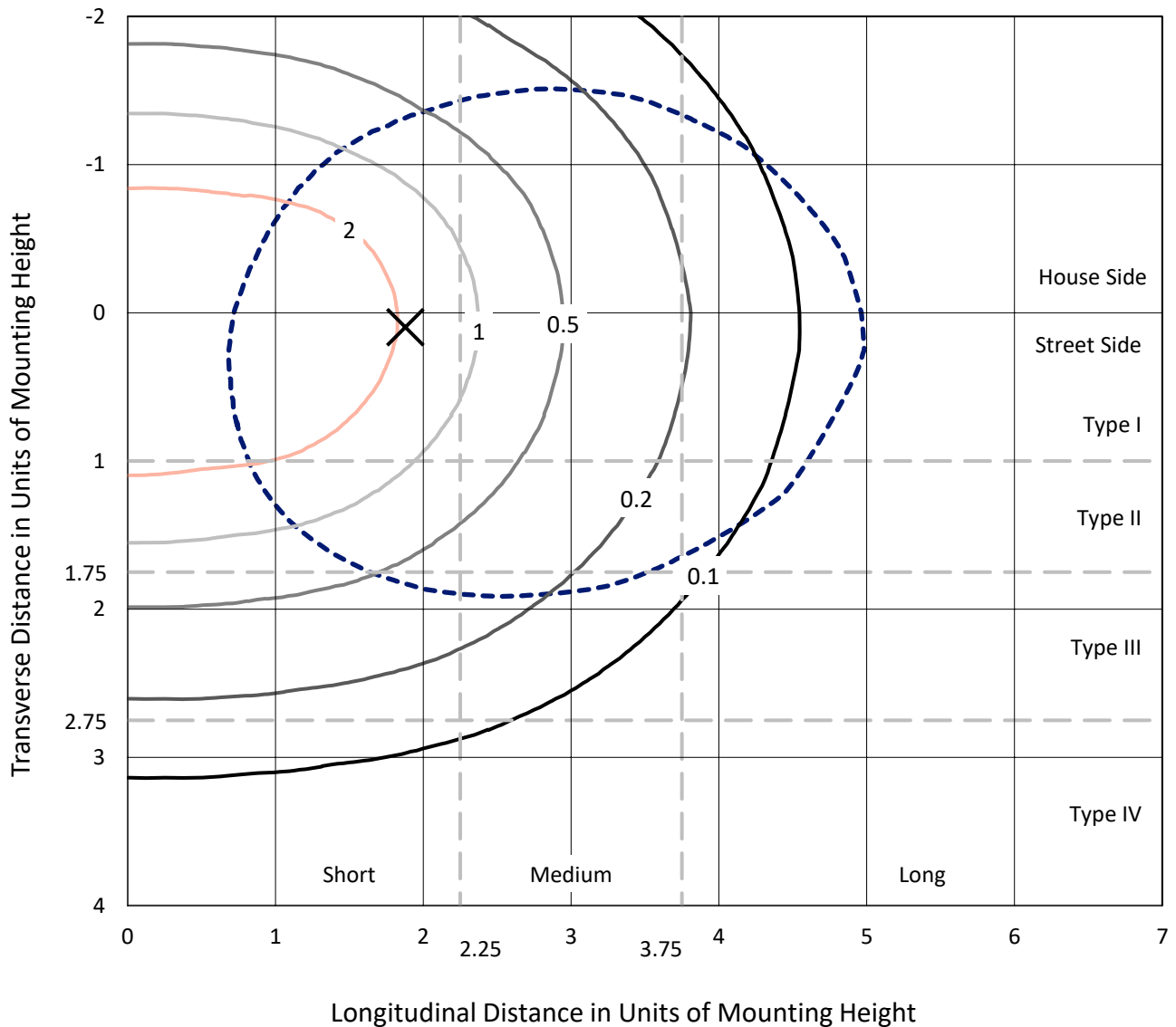
Input Watts (W): 48.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P472311
 CATALOG NUMBER: CCW-VA-3-727-U-T3

Iso-Footcandle Lines of Horizontal Illumination

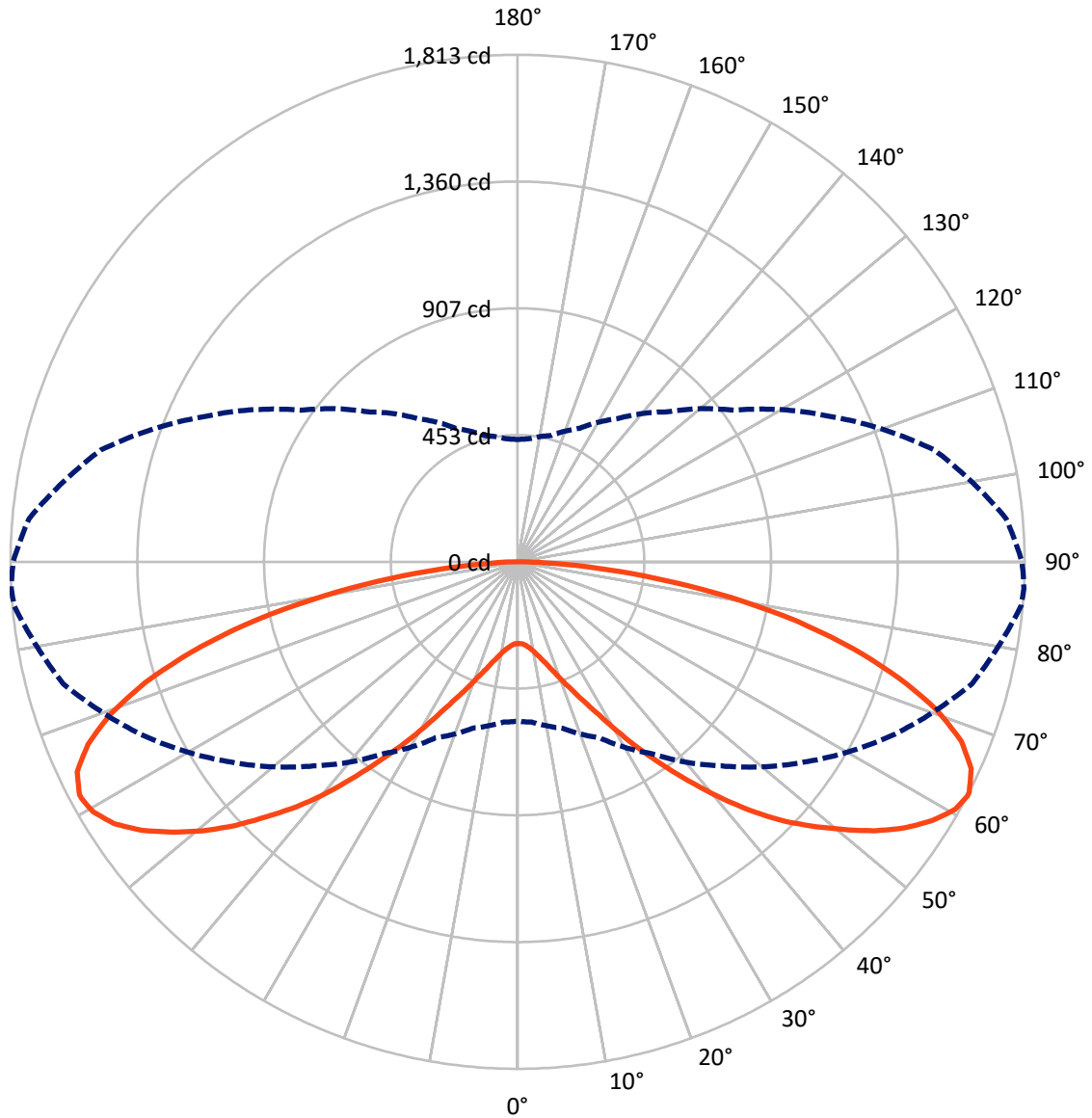
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

REPORT NUMBER: P472311
CATALOG NUMBER: CCW-VA-3-727-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P472311
 CATALOG NUMBER: CCW-VA-3-727-U-T3

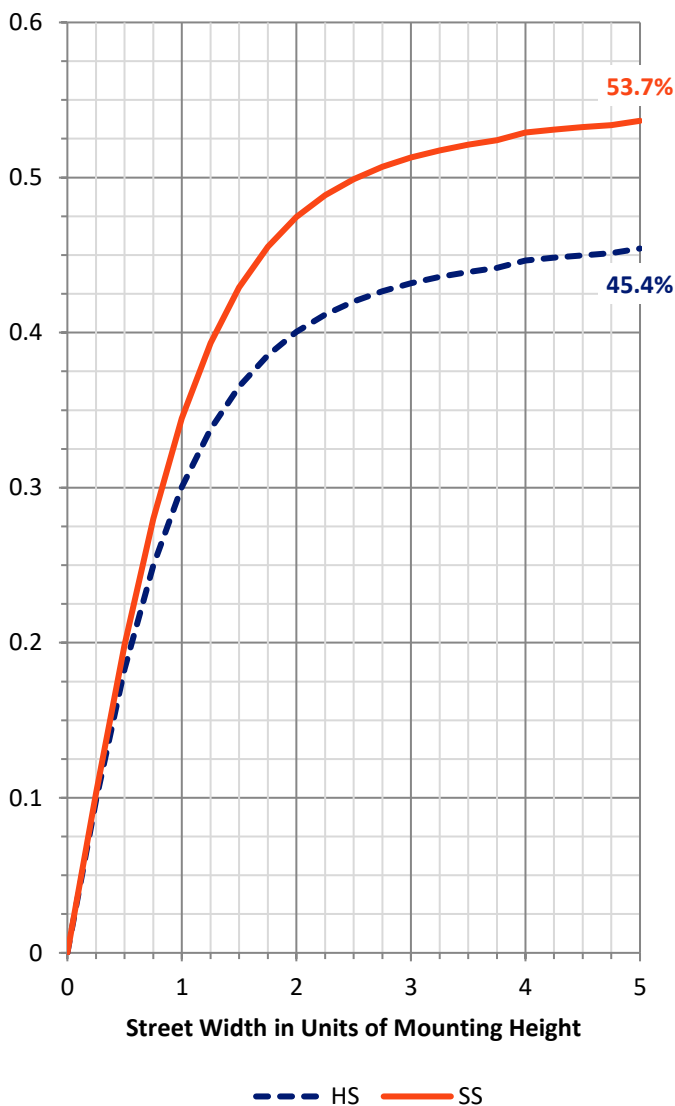
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1899.7	0.0	1899.7
	% Fixture	46.0	0.0	46.0
Street Side	Lumens	2226.2	0.0	2226.2
	% Fixture	54.0	0.0	54.0
Total	Lumens	4125.9	0.0	4125.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	0.7
10°-20°	103.7	2.5
20°-30°	221.7	5.4
30°-40°	408.5	9.9
40°-50°	651.5	15.8
50°-60°	886.0	21.5
60°-70°	959.9	23.3
70°-80°	685.9	16.6
80°-90°	179.3	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°	4125.9	100.0
0°-180°	4125.9	100.0

Coefficient of Utilization

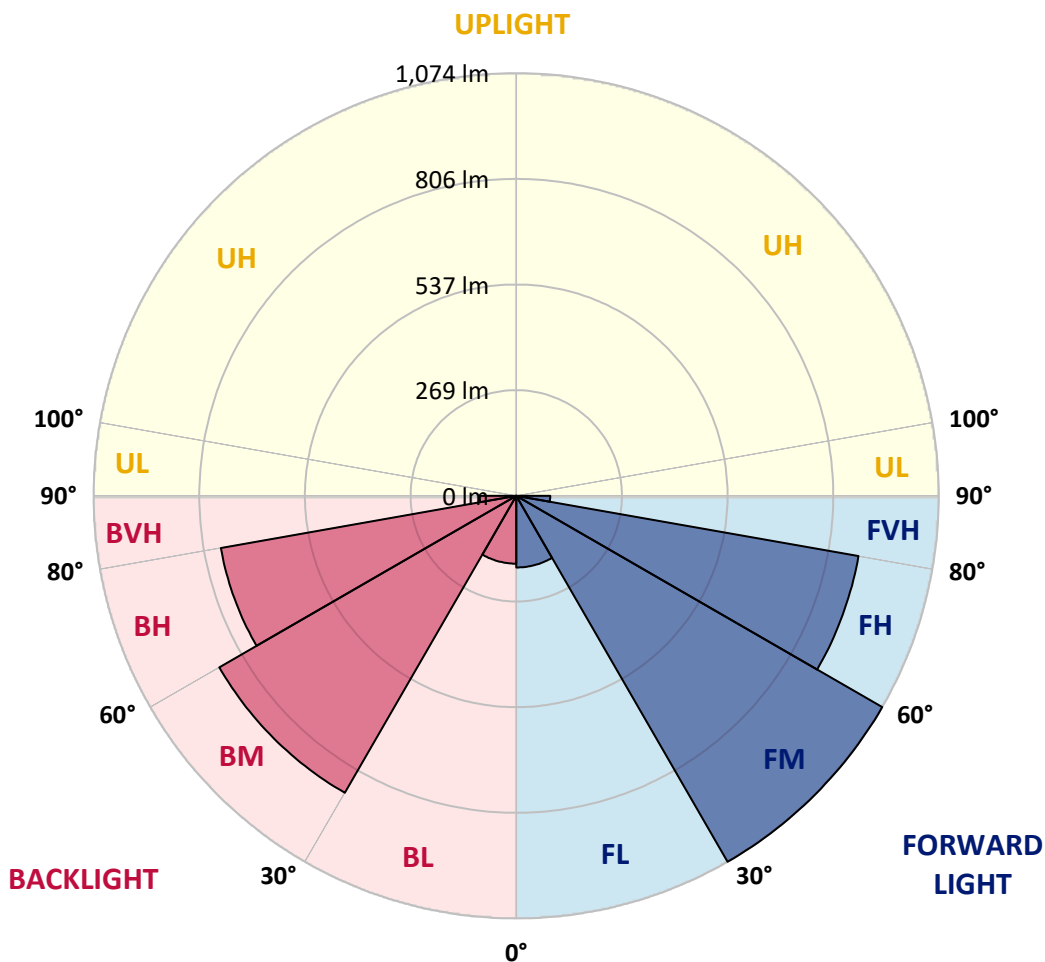


REPORT NUMBER: P472311
 CATALOG NUMBER: CCW-VA-3-727-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.2	4.4			
FM (30°-60°)	1074.3	26.0			
FH (60°-80°)	883.4	21.4			G1/1800
FVH (80°-90°)	86.3	2.1			G1/100
BL (0°-30°)	172.5	4.2	B1/500		
BM (30°-60°)	871.7	21.1	B1/1000		
BH (60°-80°)	762.5	18.5	B2/1000		G2/1000
BVH (80°-90°)	92.9	2.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





REPORT NUMBER: P472311
 CATALOG NUMBER: CCW-VA-3-727-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87°
0°	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0
2.5°	292.7	292.7	292.7	292.7	292.7	292.7	292.7	292.7	292.7	293.3	293.3
5°	294.7	294.0	294.0	294.7	295.3	296.0	297.3	298.0	299.3	300.6	300.0
7.5°	300.6	300.6	300.6	301.3	303.3	304.6	306.6	308.6	310.6	311.9	311.3
10°	310.0	310.0	310.0	311.3	313.3	317.3	320.6	323.9	325.9	327.2	327.9
12.5°	319.9	319.9	321.3	323.9	327.9	333.2	339.2	343.9	347.2	348.5	349.2
15°	333.9	334.6	337.2	339.9	345.2	353.2	363.2	369.8	373.1	375.8	375.1
17.5°	355.2	354.5	356.5	362.5	368.5	379.8	391.8	403.1	409.7	409.7	409.7
20°	379.1	378.5	379.8	384.4	394.4	409.7	428.3	443.6	451.0	449.6	451.0
22.5°	405.7	405.7	407.1	411.0	421.0	443.0	468.9	491.5	501.5	498.2	496.9
25°	435.0	435.0	437.0	440.3	454.3	480.9	515.5	548.1	558.0	554.7	553.4
27.5°	468.9	466.3	470.2	473.6	490.9	526.1	571.3	612.6	634.5	623.2	619.2
30°	504.8	502.8	503.5	510.2	530.1	575.3	629.2	684.4	715.0	707.7	701.7
32.5°	536.1	537.4	539.4	550.7	573.3	627.9	690.4	762.9	797.5	795.5	794.2
35°	571.3	571.3	575.3	586.0	619.2	683.8	759.6	841.4	892.6	894.6	890.6
37.5°	599.3	599.3	605.3	619.2	658.5	735.0	828.1	924.5	986.4	997.0	993.7
40°	623.9	622.6	629.2	649.8	695.7	789.5	895.3	1007.0	1090.1	1108.1	1103.4
42.5°	638.5	639.9	649.2	675.1	731.6	837.4	961.1	1084.8	1181.9	1212.5	1212.5
45°	649.2	650.5	664.5	695.1	764.2	884.6	1021.0	1164.6	1271.7	1316.3	1318.3
47.5°	653.8	655.8	673.1	710.4	791.5	927.9	1078.8	1236.5	1352.2	1415.4	1411.4
50°	653.8	656.5	677.1	721.7	816.1	964.4	1133.4	1305.0	1434.0	1504.5	1503.9
52.5°	649.8	653.2	678.4	730.3	836.7	999.7	1181.9	1363.5	1512.5	1595.6	1598.3
55°	641.8	645.8	675.1	735.6	852.7	1027.6	1221.2	1418.1	1580.3	1674.1	1680.1
57.5°	625.9	629.9	663.1	731.0	858.7	1042.3	1249.8	1456.6	1635.6	1745.3	1746.6
60°	599.3	603.9	639.9	715.7	852.7	1042.9	1257.1	1473.9	1672.8	1793.2	1797.8
62°	570.0	575.3	615.9	694.4	837.4	1032.3	1249.1	1473.3	1682.8	1807.2	1813.1
62.5°	562.7	567.4	608.6	687.1	831.4	1027.0	1244.5	1469.9	1681.4	1807.8	1812.5
65°	517.5	522.1	564.0	647.2	794.8	994.4	1210.5	1440.7	1657.5	1781.2	1782.5
67.5°	467.6	472.2	514.1	592.6	742.3	939.8	1153.3	1382.8	1593.6	1700.7	1710.7
70°	409.7	416.4	454.9	532.8	673.1	861.3	1062.9	1291.0	1491.9	1583.0	1592.3
72.5°	352.5	357.2	387.8	456.3	583.3	758.2	945.8	1152.0	1334.9	1421.4	1429.4
75°	286.0	290.0	319.9	376.5	482.9	631.9	808.8	989.0	1155.3	1233.1	1239.1
77.5°	225.5	226.8	248.1	293.3	375.1	495.5	641.8	784.2	935.2	1005.7	1021.6
80°	159.0	165.6	180.2	211.5	263.4	355.2	460.9	582.7	688.4	767.6	772.9
82.5°	103.1	104.4	113.7	125.0	162.3	224.1	293.3	368.5	462.9	514.1	510.2
85°	53.9	53.9	57.2	60.5	73.2	100.4	141.7	194.2	249.4	288.0	282.7
87.5°	9.3	8.6	9.3	8.6	11.3	16.0	29.9	48.6	73.2	86.5	95.1
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: P472311
 CATALOG NUMBER: CCW-VA-3-727-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0	292.0
2.5°	293.3	293.3	294.0	295.3	295.3	296.0	296.6	296.6	297.3	298.0	298.0
5°	301.3	301.3	302.0	303.3	304.0	304.0	304.6	305.3	305.3	305.3	306.0
7.5°	311.9	312.6	313.3	313.9	314.6	314.6	316.6	315.9	315.9	315.9	315.9
10°	327.2	328.6	328.6	328.6	328.6	327.9	328.6	327.9	326.6	326.6	325.9
12.5°	349.9	349.9	348.5	347.2	345.2	344.5	343.9	341.9	339.2	337.9	337.9
15°	375.8	374.5	371.8	369.1	365.8	363.2	358.5	355.8	352.5	351.2	351.2
17.5°	409.1	407.1	399.7	394.4	386.4	380.5	375.1	369.8	365.8	364.5	363.8
20°	447.0	442.3	431.7	419.7	409.1	399.7	389.8	383.1	379.1	375.8	375.1
22.5°	494.9	488.2	469.6	451.0	431.7	418.4	405.7	396.4	389.1	385.8	384.4
25°	546.7	536.8	512.8	484.9	458.3	437.7	421.7	409.1	400.4	395.1	393.8
27.5°	612.6	598.0	562.7	520.8	485.5	459.6	437.7	423.0	411.7	403.7	402.4
30°	689.7	674.4	615.9	560.7	516.1	479.6	455.6	436.3	422.4	413.0	411.0
32.5°	781.5	753.6	686.4	608.6	547.4	502.8	472.2	449.6	432.3	421.7	419.0
35°	874.6	846.0	757.6	659.1	580.7	526.8	490.2	462.9	443.6	430.3	429.0
37.5°	979.1	944.5	840.7	716.3	616.6	552.1	506.8	475.6	452.3	438.3	437.0
40°	1091.5	1056.2	929.9	782.2	659.1	576.7	522.8	487.5	461.6	446.3	444.3
42.5°	1201.9	1160.0	1020.3	848.0	702.4	603.9	541.4	500.2	469.6	453.6	451.0
45°	1297.7	1261.1	1112.1	923.9	752.3	631.9	560.0	512.1	478.2	460.3	457.6
47.5°	1406.1	1366.8	1212.5	993.7	800.2	663.8	578.0	522.8	485.5	466.3	464.3
50°	1501.9	1466.6	1301.7	1058.2	846.0	693.7	594.6	532.8	491.5	470.9	468.3
52.5°	1589.0	1557.7	1383.5	1118.7	885.3	721.7	609.9	540.1	495.5	472.9	469.6
55°	1676.8	1636.2	1454.6	1172.0	916.5	743.6	622.6	543.4	494.9	471.6	468.3
57.5°	1742.6	1704.1	1506.5	1209.9	939.8	758.2	629.9	542.7	490.9	465.6	461.6
60°	1787.2	1744.6	1537.1	1228.5	947.8	762.9	629.9	536.8	480.9	453.6	449.6
62°	1803.8	1754.6	1543.1	1231.2	944.5	758.2	625.2	526.8	467.6	441.0	437.0
62.5°	1804.5	1753.9	1541.1	1229.2	942.5	756.3	622.6	523.5	464.3	437.0	433.0
65°	1775.2	1724.7	1517.2	1208.5	919.9	738.3	603.9	504.2	441.0	414.4	410.4
67.5°	1691.4	1652.8	1460.0	1160.7	881.3	705.0	576.7	476.2	413.7	385.8	383.8
70°	1575.0	1539.8	1366.8	1088.2	825.4	657.1	536.1	439.0	379.1	353.8	349.2
72.5°	1428.7	1382.8	1234.5	991.0	744.9	591.3	482.9	392.4	339.2	316.6	313.9
75°	1247.1	1191.9	1068.2	862.7	648.5	512.1	421.0	340.5	293.3	274.0	276.0
77.5°	1015.7	989.7	863.3	687.7	528.1	423.7	345.2	288.7	248.1	232.1	230.8
80°	766.9	742.3	653.8	522.1	399.1	320.6	267.4	227.5	199.5	185.6	184.9
82.5°	520.1	496.9	429.7	350.5	272.0	226.8	193.6	167.6	150.3	143.7	143.7
85°	286.0	266.1	227.5	189.6	153.6	129.7	125.0	111.7	107.1	105.8	107.1
87.5°	89.1	88.5	75.2	61.9	53.9	54.5	49.2	50.5	47.9	47.2	50.5
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)