

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: P472218

Luminaire Tested: **CCW-VA-2-730-U-T2**

Issue Date: 01/27/2021

Test Information

Test Method: LM-79-08
Report Number: P472218
Test Lab: INNOVATION CENTER(G3)
Issue Date: 01/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-VA-2-730-U-T2
Description: INVUE WALL PACK Wave Stream LUMINAIRE WITH T2 DISTRIBUTION LENS
Light Source: 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3626.7 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.54' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

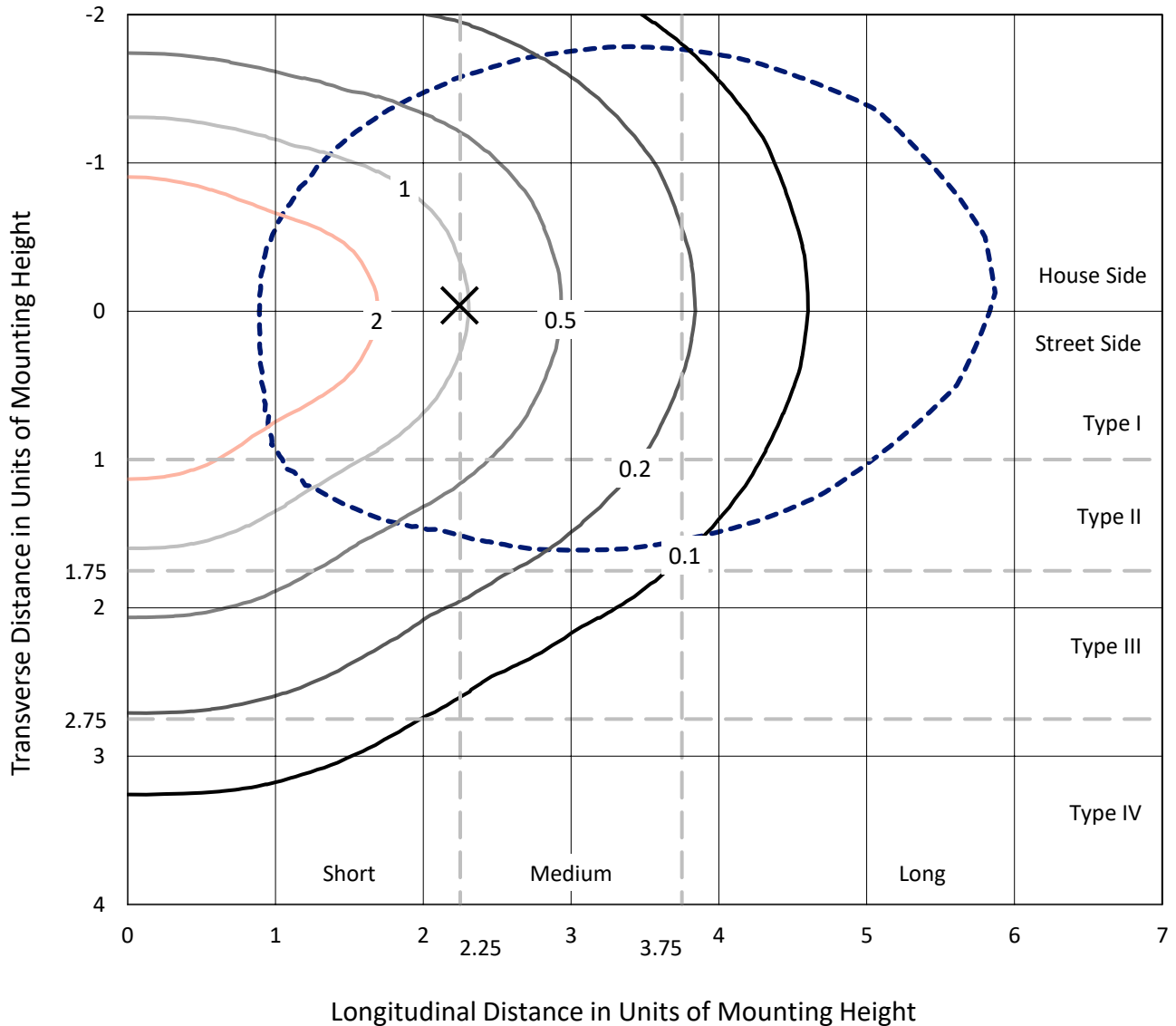
Input Watts (W): 40.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

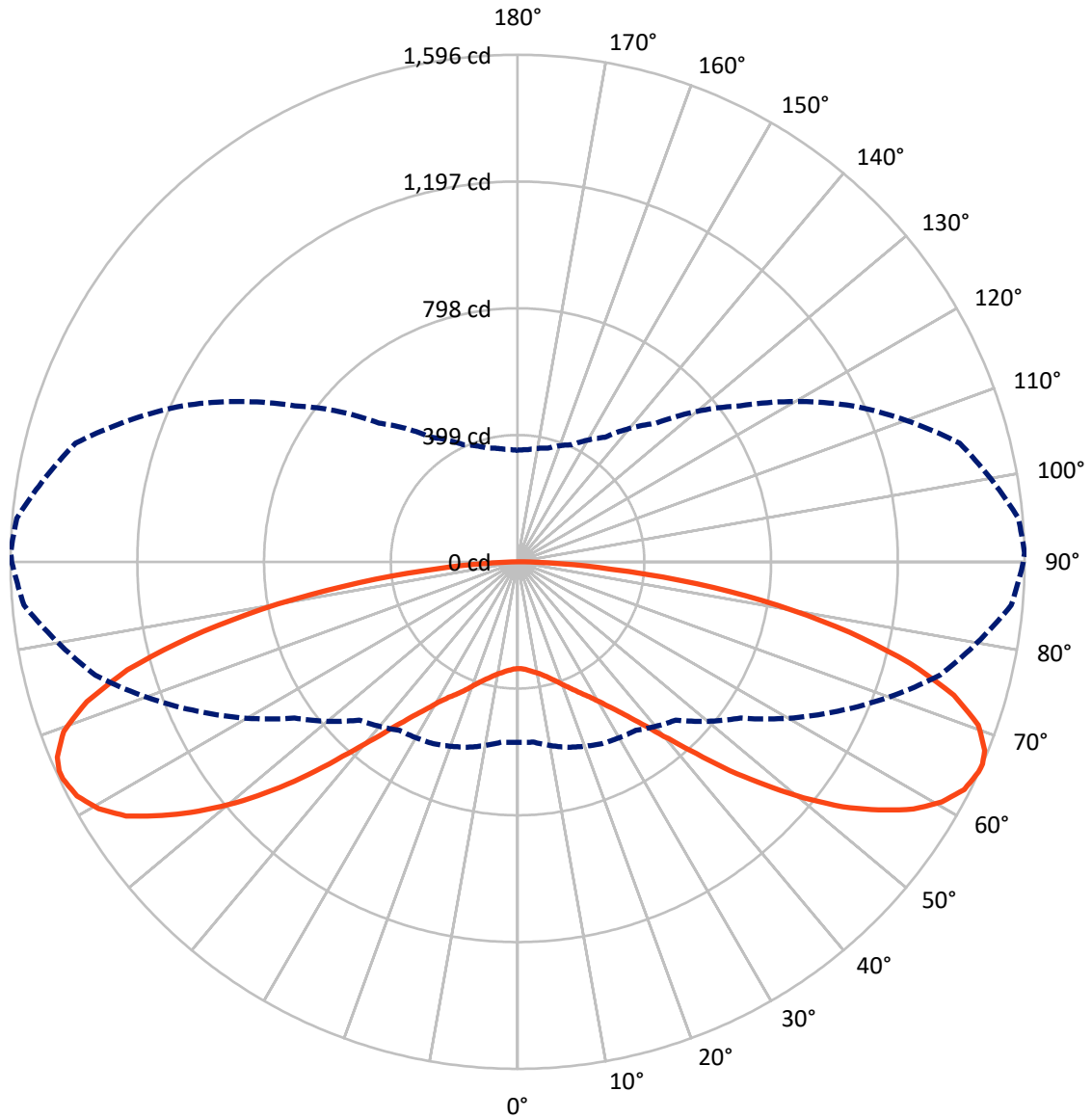
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 91-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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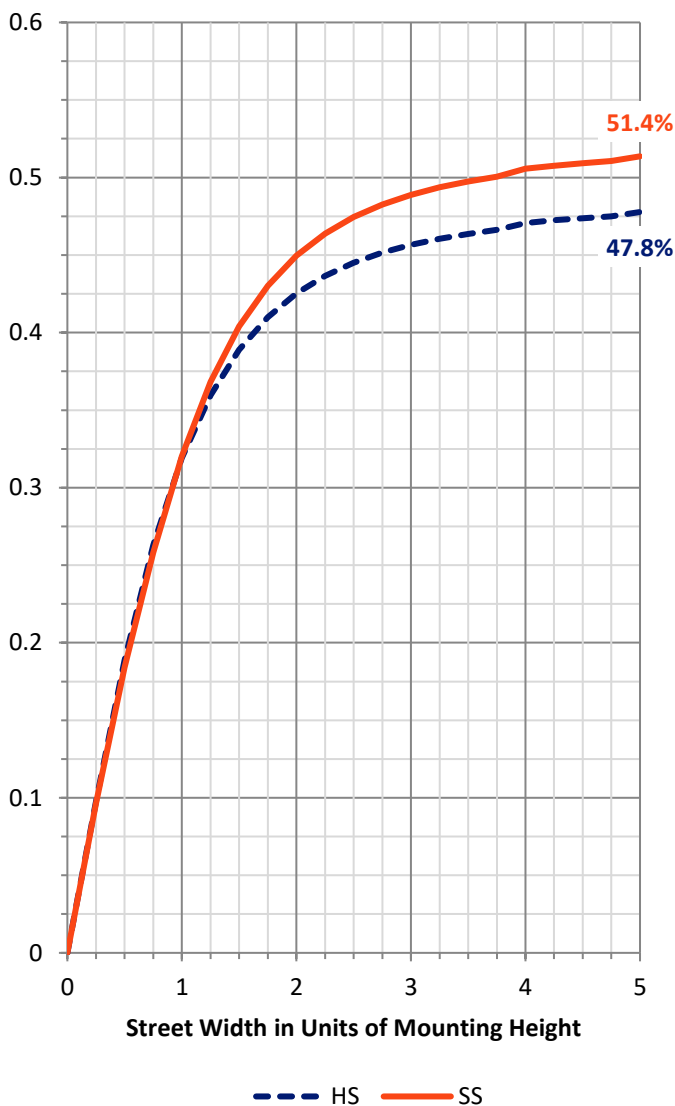
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1750.4	0.0	1750.4
	% Fixture	48.3	0.0	48.3
Street Side	Lumens	1876.2	0.0	1876.2
	% Fixture	51.7	0.0	51.7
Total	Lumens	3626.7	0.0	3626.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	0.9
10°-20°	108.3	3.0
20°-30°	209.4	5.8
30°-40°	343.6	9.5
40°-50°	544.2	15.0
50°-60°	750.4	20.7
60°-70°	842.6	23.2
70°-80°	629.8	17.4
80°-90°	165.5	4.6
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°	3626.7	100.0
0°-180°	3626.7	100.0

Coefficient of Utilization

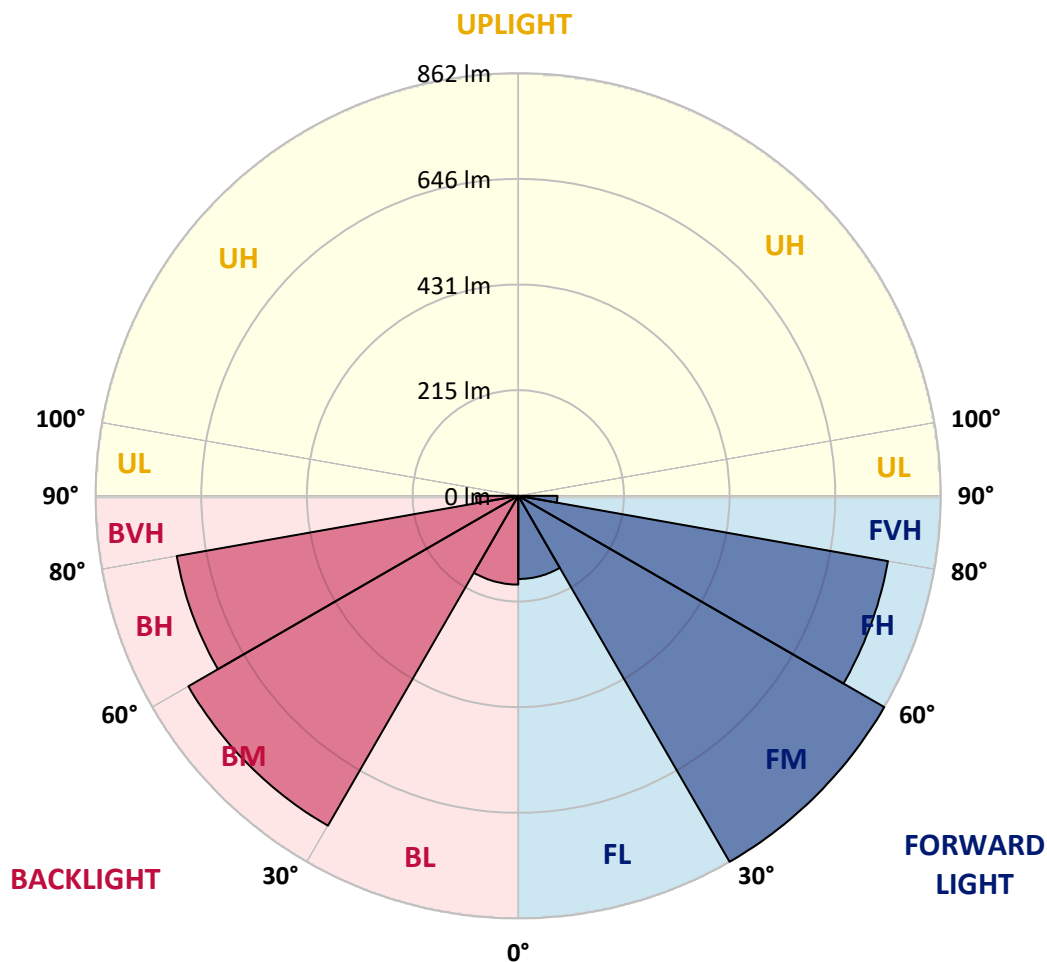


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.6	4.7			
FM (30°-60°)	861.6	23.8			
FH (60°-80°)	765.4	21.1			G1/1800
FVH (80°-90°)	79.7	2.2			G1/100
BL (0°-30°)	181.2	5.0	B1/500		
BM (30°-60°)	776.5	21.4	B1/1000		
BH (60°-80°)	707.0	19.5	B2/1000		G2/1000
BVH (80°-90°)	85.8	2.4			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0
2.5°	337.3	337.3	337.3	337.3	338.6	338.6	338.6	338.6	338.6	337.3	337.3
5°	339.9	339.9	339.9	339.9	341.2	341.2	341.2	341.2	342.5	342.5	342.5
7.5°	342.5	342.5	343.7	343.7	345.0	345.0	346.3	346.3	347.6	348.9	348.9
10°	347.6	347.6	348.9	348.9	351.4	352.7	354.0	354.0	356.6	356.6	356.6
12.5°	354.0	355.3	356.6	357.9	360.4	361.7	363.0	364.3	365.5	366.8	366.8
15°	364.3	363.0	365.5	368.1	369.4	372.0	373.2	374.5	377.1	379.7	379.7
17.5°	372.0	373.2	374.5	377.1	379.7	383.5	386.1	388.6	391.2	393.8	393.8
20°	382.2	380.9	386.1	389.9	392.5	397.6	401.5	406.6	409.2	411.7	413.0
22.5°	391.2	392.5	395.0	400.2	405.3	413.0	420.7	424.6	428.4	431.0	434.8
25°	402.7	404.0	407.9	413.0	420.7	429.7	438.7	443.8	447.6	452.8	456.6
27.5°	414.3	414.3	420.7	428.4	437.4	448.9	459.2	464.3	470.7	477.1	479.7
30°	427.1	427.1	433.5	443.8	456.6	469.4	478.4	488.7	497.7	504.1	509.2
32.5°	446.4	446.4	454.1	464.3	478.4	493.8	506.6	516.9	528.4	540.0	550.2
35°	468.2	469.4	479.7	492.5	509.2	528.4	540.0	554.1	566.9	586.2	596.4
37.5°	502.8	504.1	515.6	532.3	549.0	569.5	588.7	605.4	624.6	646.4	654.1
40°	554.1	557.9	569.5	577.2	592.6	608.0	636.2	664.4	697.7	727.3	732.4
42.5°	646.4	642.6	634.9	632.3	636.2	652.9	683.6	727.3	786.3	823.4	823.4
45°	682.4	682.4	683.6	681.1	678.5	690.1	726.0	795.2	878.6	929.9	940.2
47.5°	688.8	690.1	701.6	711.9	714.4	727.3	770.9	861.9	973.5	1049.2	1055.6
50°	688.8	691.3	706.7	724.7	737.5	755.5	809.3	920.9	1067.1	1154.4	1171.0
52.5°	686.2	688.8	705.4	727.3	747.8	773.4	842.7	982.5	1150.5	1268.5	1276.2
55°	679.8	682.4	702.9	726.0	749.1	783.7	869.6	1035.1	1231.3	1363.4	1377.5
57.5°	672.1	675.9	697.7	722.1	743.9	786.3	887.6	1076.1	1296.7	1448.1	1473.7
60°	656.7	663.1	687.5	711.9	732.4	777.3	896.6	1108.2	1345.5	1509.7	1535.3
62.5°	625.9	632.3	659.3	686.2	706.7	755.5	891.4	1123.6	1373.7	1548.1	1575.1
65°	587.4	590.0	619.5	647.7	668.2	719.6	869.6	1121.0	1380.1	1561.0	1591.7
66°	568.2	569.5	604.1	631.1	647.7	704.2	856.8	1112.0	1376.3	1559.7	1591.7
67.5°	533.6	540.0	569.5	597.7	616.9	669.5	826.0	1091.5	1360.9	1546.9	1580.2
70°	473.3	478.4	502.8	531.0	551.5	601.6	759.3	1031.2	1304.4	1494.3	1532.7
72.5°	407.9	411.7	437.4	457.9	470.7	524.6	678.5	932.5	1205.7	1395.5	1432.7
75°	338.6	341.2	364.3	378.4	389.9	437.4	570.8	805.5	1050.5	1235.2	1283.9
77.5°	266.8	268.1	287.3	300.1	300.1	341.2	452.8	652.9	861.9	1032.5	1068.4
80°	196.2	195.0	206.5	212.9	216.8	243.7	325.8	479.7	656.7	790.1	824.7
82.5°	128.3	127.0	134.7	137.2	137.2	153.9	205.2	304.0	431.0	536.1	556.7
85°	68.0	70.5	69.3	69.3	69.3	75.7	102.6	159.0	229.6	287.3	301.4
87.5°	11.5	11.5	11.5	12.8	15.4	20.5	26.9	44.9	65.4	88.5	100.0
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0
2.5°	337.3	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6
5°	342.5	342.5	342.5	343.7	343.7	343.7	343.7	343.7	343.7	343.7	343.7
7.5°	348.9	348.9	350.2	350.2	350.2	351.4	351.4	350.2	350.2	350.2	350.2
10°	356.6	356.6	357.9	359.1	359.1	360.4	360.4	359.1	359.1	357.9	357.9
12.5°	366.8	368.1	369.4	370.7	372.0	372.0	370.7	369.4	368.1	366.8	366.8
15°	379.7	380.9	382.2	384.8	384.8	384.8	383.5	382.2	379.7	378.4	379.7
17.5°	395.0	396.3	398.9	400.2	401.5	400.2	400.2	398.9	398.9	397.6	397.6
20°	414.3	415.6	419.4	420.7	420.7	422.0	425.8	428.4	432.2	433.5	433.5
22.5°	433.5	436.1	439.9	445.1	447.6	452.8	454.1	456.6	455.3	451.5	451.5
25°	456.6	459.2	466.9	473.3	478.4	481.0	478.4	474.6	468.2	463.0	461.7
27.5°	481.0	484.8	496.4	505.4	507.9	505.4	495.1	486.1	478.4	472.0	469.4
30°	511.8	518.2	531.0	536.1	534.9	524.6	509.2	497.7	486.1	478.4	477.1
32.5°	550.2	556.7	568.2	569.5	561.8	542.6	522.0	506.6	492.5	483.6	482.3
35°	596.4	602.8	609.2	605.4	583.6	559.2	533.6	511.8	497.7	487.4	487.4
37.5°	655.4	659.3	659.3	640.0	606.7	574.6	542.6	516.9	501.5	491.2	490.0
40°	732.4	731.1	713.1	675.9	632.3	588.7	549.0	522.0	502.8	492.5	491.2
42.5°	824.7	815.8	777.3	717.0	656.7	601.6	556.7	523.3	501.5	491.2	490.0
45°	937.6	922.2	852.9	764.4	682.4	613.1	560.5	522.0	497.7	486.1	484.8
47.5°	1049.2	1040.2	945.3	814.5	708.0	625.9	563.1	518.2	490.0	473.3	473.3
50°	1167.2	1145.4	1037.6	874.8	734.9	634.9	563.1	511.8	477.1	459.2	456.6
52.5°	1281.3	1259.5	1131.3	935.0	764.4	643.9	560.5	502.8	465.6	446.4	443.8
55°	1378.8	1360.9	1222.3	1003.0	795.2	650.3	556.7	492.5	454.1	436.1	433.5
57.5°	1468.6	1450.7	1301.9	1060.7	824.7	654.1	547.7	479.7	439.9	422.0	420.7
60°	1534.0	1519.9	1369.8	1114.6	849.1	654.1	534.9	464.3	424.6	406.6	405.3
62.5°	1577.6	1563.5	1418.6	1150.5	864.5	645.2	515.6	443.8	405.3	388.6	384.8
65°	1594.3	1581.5	1440.4	1164.6	861.9	627.2	490.0	418.1	380.9	364.3	361.7
66°	1595.6	1581.5	1440.4	1162.1	855.5	616.9	478.4	406.6	370.7	354.0	351.4
67.5°	1585.3	1572.5	1431.4	1149.2	837.6	597.7	455.3	387.4	351.4	334.8	333.5
70°	1537.9	1527.6	1382.7	1100.5	795.2	555.4	416.9	350.2	315.5	304.0	300.1
72.5°	1435.3	1423.7	1285.2	1009.4	726.0	497.7	368.1	306.5	278.3	264.2	262.9
75°	1276.2	1271.1	1136.4	888.9	625.9	428.4	311.7	259.1	236.0	225.7	225.7
77.5°	1068.4	1058.2	944.0	734.9	514.3	346.3	250.1	210.4	192.4	183.4	184.7
80°	831.1	823.4	727.3	551.5	388.6	260.4	187.3	160.3	147.5	142.4	139.8
82.5°	569.5	549.0	484.8	365.5	252.7	175.7	129.5	111.6	105.2	103.9	102.6
85°	296.3	304.0	255.2	193.7	137.2	97.5	78.2	71.8	69.3	70.5	70.5
87.5°	97.5	100.0	77.0	59.0	44.9	34.6	29.5	28.2	24.4	26.9	28.2
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)