

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: P472226

Luminaire Tested: **CCW-VA-2-740-U-T2**

Issue Date: 01/27/2021

Test Information

Test Method: LM-79-08
Report Number: P472226
Test Lab: INNOVATION CENTER(G3)
Issue Date: 01/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-VA-2-740-U-T2
Description: INVUE WALL PACK Wave Stream LUMINAIRE WITH T2 DISTRIBUTION LENS
Light Source: 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3740.4 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.54' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

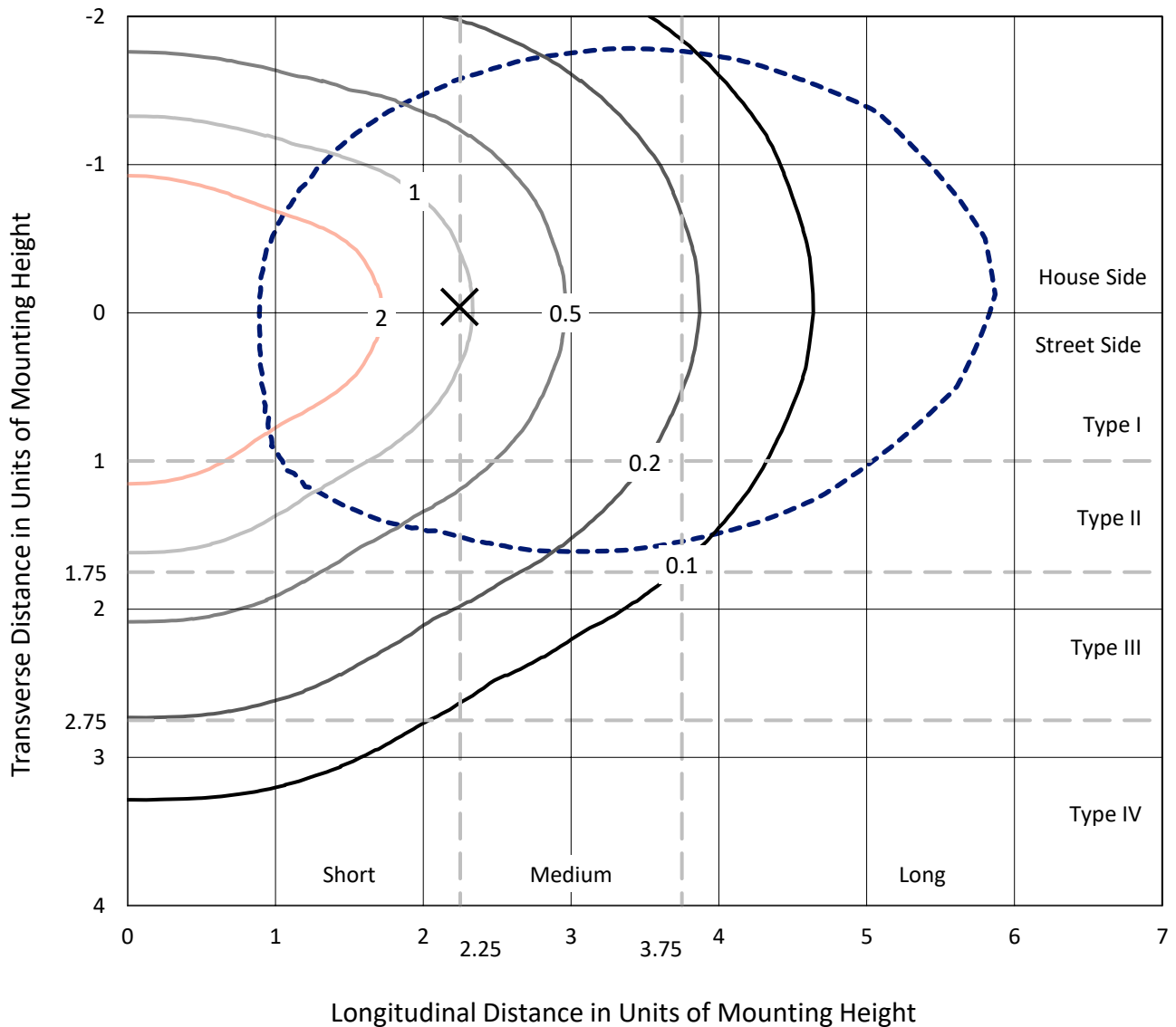
Input Watts (W): 40.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

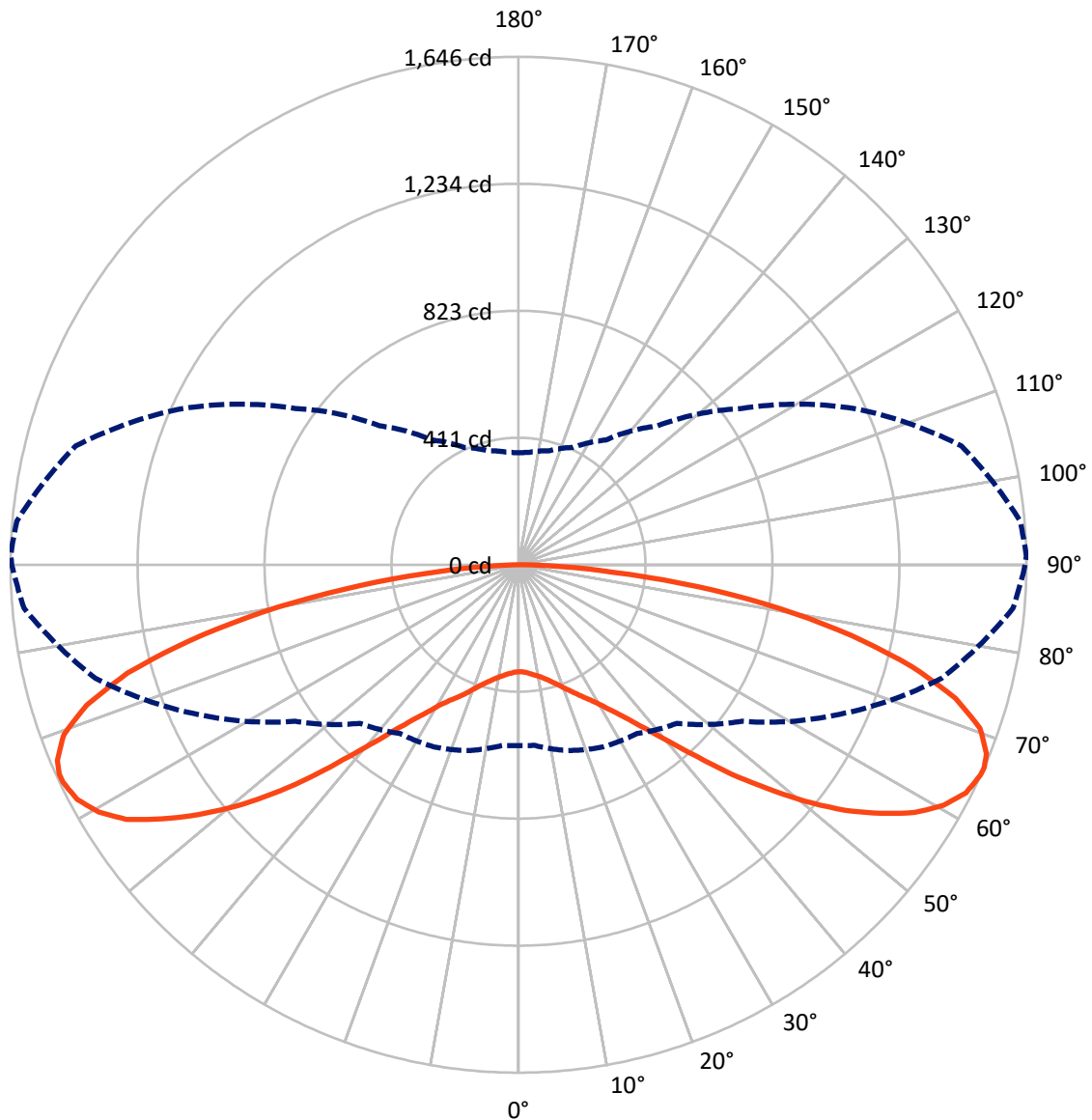
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 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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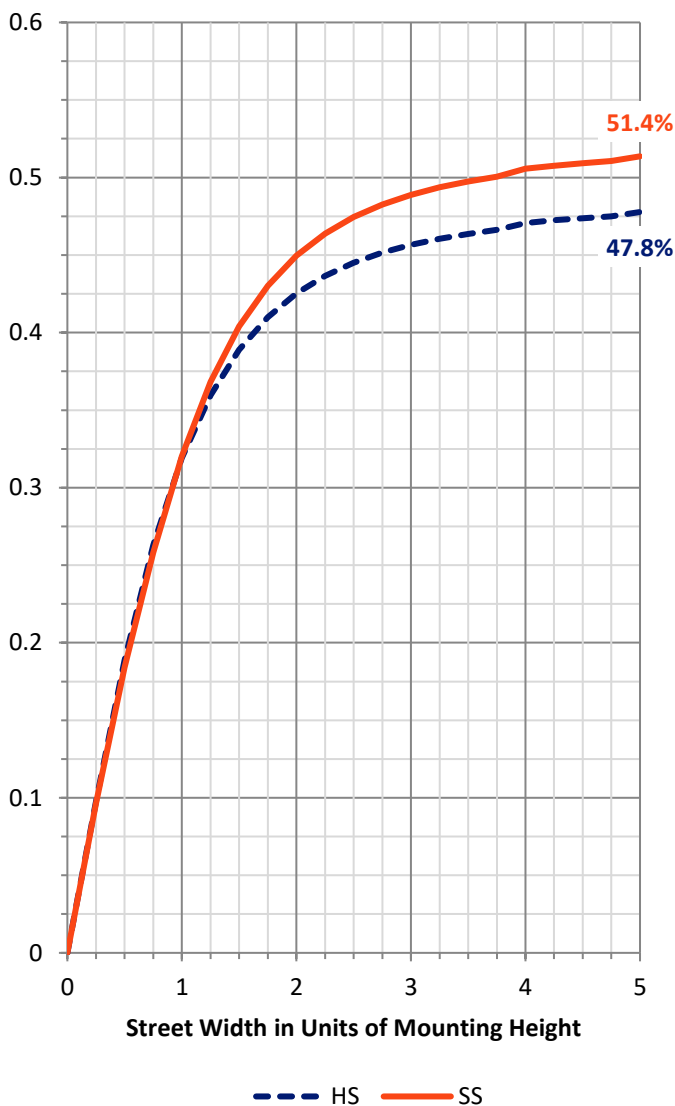
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1805.3	0.0	1805.3
	% Fixture	48.3	0.0	48.3
Street Side	Lumens	1935.1	0.0	1935.1
	% Fixture	51.7	0.0	51.7
Total	Lumens	3740.4	0.0	3740.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	0.9
10°-20°	111.6	3.0
20°-30°	216.0	5.8
30°-40°	354.3	9.5
40°-50°	561.2	15.0
50°-60°	773.9	20.7
60°-70°	869.0	23.2
70°-80°	649.5	17.4
80°-90°	170.6	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°	3740.4	100.0
0°-180°	3740.4	100.0

Coefficient of Utilization

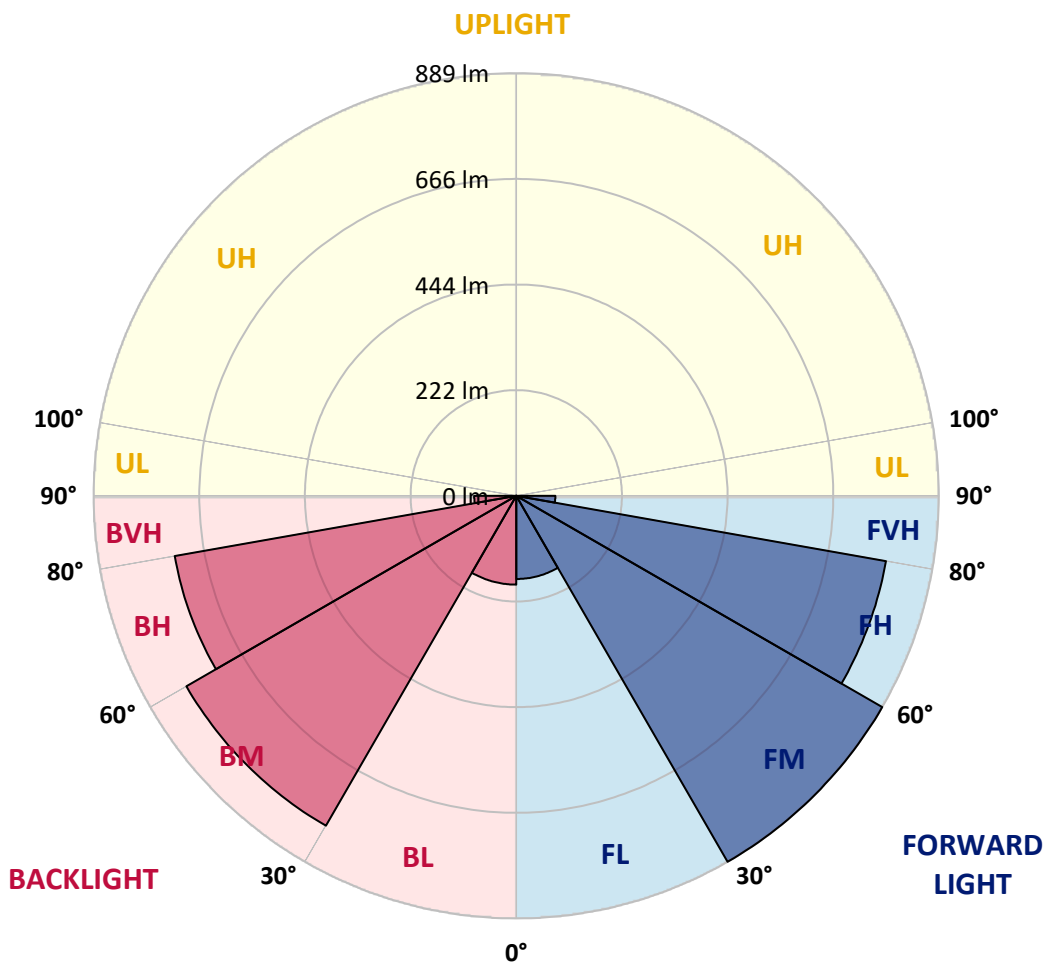


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.9	4.7			
FM (30°-60°)	888.6	23.8			
FH (60°-80°)	789.4	21.1			G1/1800
FVH (80°-90°)	82.2	2.2			G1/100
BL (0°-30°)	186.8	5.0	B1/500		
BM (30°-60°)	800.9	21.4	B1/1000		
BH (60°-80°)	729.1	19.5	B2/1000		G2/1000
BVH (80°-90°)	88.5	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°	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6
2.5°	347.9	347.9	347.9	347.9	349.2	349.2	349.2	349.2	349.2	347.9	347.9
5°	350.6	350.6	350.6	350.6	351.9	351.9	351.9	351.9	353.2	353.2	353.2
7.5°	353.2	353.2	354.5	354.5	355.8	355.8	357.2	357.2	358.5	359.8	359.8
10°	358.5	358.5	359.8	359.8	362.5	363.8	365.1	365.1	367.8	367.8	367.8
12.5°	365.1	366.4	367.8	369.1	371.7	373.0	374.4	375.7	377.0	378.3	378.3
15°	375.7	374.4	377.0	379.7	381.0	383.6	384.9	386.3	388.9	391.6	391.6
17.5°	383.6	384.9	386.3	388.9	391.6	395.5	398.2	400.8	403.5	406.1	406.1
20°	394.2	392.9	398.2	402.1	404.8	410.1	414.0	419.3	422.0	424.6	426.0
22.5°	403.5	404.8	407.4	412.7	418.0	426.0	433.9	437.9	441.8	444.5	448.4
25°	415.4	416.7	420.7	426.0	433.9	443.2	452.4	457.7	461.7	467.0	470.9
27.5°	427.3	427.3	433.9	441.8	451.1	463.0	473.6	478.9	485.5	492.1	494.7
30°	440.5	440.5	447.1	457.7	470.9	484.2	493.4	504.0	513.3	519.9	525.2
32.5°	460.3	460.3	468.3	478.9	493.4	509.3	522.5	533.1	545.0	556.9	567.5
35°	482.8	484.2	494.7	508.0	525.2	545.0	556.9	571.5	584.7	604.5	615.1
37.5°	518.6	519.9	531.8	549.0	566.2	587.3	607.2	624.4	644.2	666.7	674.6
40°	571.5	575.4	587.3	595.3	611.2	627.0	656.1	685.2	719.6	750.1	755.3
42.5°	666.7	662.7	654.8	652.2	656.1	673.3	705.1	750.1	810.9	849.3	849.3
45°	703.8	703.8	705.1	702.4	699.8	711.7	748.7	820.2	906.1	959.1	969.6
47.5°	710.4	711.7	723.6	734.2	736.8	750.1	795.0	889.0	1004.0	1082.1	1088.7
50°	710.4	713.0	728.9	747.4	760.6	779.2	834.7	949.8	1100.6	1190.6	1207.8
52.5°	707.7	710.4	727.6	750.1	771.2	797.7	869.1	1013.3	1186.6	1308.3	1316.2
55°	701.1	703.8	724.9	748.7	772.5	808.3	896.9	1067.5	1269.9	1406.2	1420.7
57.5°	693.2	697.1	719.6	744.8	767.2	810.9	915.4	1109.9	1337.4	1493.5	1519.9
60°	677.3	683.9	709.0	734.2	755.3	801.6	924.7	1142.9	1387.7	1557.0	1583.4
62.5°	645.5	652.2	679.9	707.7	728.9	779.2	919.4	1158.8	1416.8	1596.7	1624.5
65°	605.9	608.5	638.9	668.0	689.2	742.1	896.9	1156.2	1423.4	1609.9	1641.6
66°	586.0	587.3	623.1	650.8	668.0	726.2	883.7	1146.9	1419.4	1608.6	1641.6
67.5°	550.3	556.9	587.3	616.4	636.3	690.5	851.9	1125.7	1403.5	1595.3	1629.7
70°	488.1	493.4	518.6	547.7	568.8	620.4	783.1	1063.6	1345.3	1541.1	1580.8
72.5°	420.7	424.6	451.1	472.3	485.5	541.0	699.8	961.7	1243.5	1439.3	1477.6
75°	349.2	351.9	375.7	390.2	402.1	451.1	588.7	830.7	1083.4	1273.9	1324.2
77.5°	275.2	276.5	296.3	309.5	309.5	351.9	467.0	673.3	889.0	1064.9	1101.9
80°	202.4	201.1	213.0	219.6	223.6	251.3	336.0	494.7	677.3	814.9	850.6
82.5°	132.3	131.0	138.9	141.5	141.5	158.7	211.7	313.5	444.5	552.9	574.1
85°	70.1	72.8	71.4	71.4	71.4	78.0	105.8	164.0	236.8	296.3	310.9
87.5°	11.9	11.9	11.9	13.2	15.9	21.2	27.8	46.3	67.5	91.3	103.2
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°	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6	346.6
2.5°	347.9	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2
5°	353.2	353.2	353.2	354.5	354.5	354.5	354.5	354.5	354.5	354.5	354.5
7.5°	359.8	359.8	361.1	361.1	361.1	362.5	362.5	361.1	361.1	361.1	361.1
10°	367.8	367.8	369.1	370.4	370.4	371.7	371.7	370.4	370.4	369.1	369.1
12.5°	378.3	379.7	381.0	382.3	383.6	383.6	382.3	381.0	379.7	378.3	378.3
15°	391.6	392.9	394.2	396.9	396.9	396.9	395.5	394.2	391.6	390.2	391.6
17.5°	407.4	408.8	411.4	412.7	414.0	412.7	412.7	411.4	411.4	410.1	410.1
20°	427.3	428.6	432.6	433.9	433.9	435.2	439.2	441.8	445.8	447.1	447.1
22.5°	447.1	449.8	453.7	459.0	461.7	467.0	468.3	470.9	469.6	465.6	465.6
25°	470.9	473.6	481.5	488.1	493.4	496.1	493.4	489.5	482.8	477.5	476.2
27.5°	496.1	500.0	511.9	521.2	523.8	521.2	510.6	501.4	493.4	486.8	484.2
30°	527.8	534.4	547.7	552.9	551.6	541.0	525.2	513.3	501.4	493.4	492.1
32.5°	567.5	574.1	586.0	587.3	579.4	559.6	538.4	522.5	508.0	498.7	497.4
35°	615.1	621.7	628.4	624.4	601.9	576.8	550.3	527.8	513.3	502.7	502.7
37.5°	676.0	679.9	679.9	660.1	625.7	592.6	559.6	533.1	517.2	506.6	505.3
40°	755.3	754.0	735.5	697.1	652.2	607.2	566.2	538.4	518.6	508.0	506.6
42.5°	850.6	841.3	801.6	739.5	677.3	620.4	574.1	539.7	517.2	506.6	505.3
45°	967.0	951.1	879.7	788.4	703.8	632.3	578.1	538.4	513.3	501.4	500.0
47.5°	1082.1	1072.8	974.9	840.0	730.2	645.5	580.7	534.4	505.3	488.1	488.1
50°	1203.8	1181.3	1070.2	902.2	758.0	654.8	580.7	527.8	492.1	473.6	470.9
52.5°	1321.5	1299.0	1166.7	964.4	788.4	664.1	578.1	518.6	480.2	460.3	457.7
55°	1422.1	1403.5	1260.7	1034.5	820.2	670.7	574.1	508.0	468.3	449.8	447.1
57.5°	1514.7	1496.1	1342.7	1094.0	850.6	674.6	564.9	494.7	453.7	435.2	433.9
60°	1582.1	1567.6	1412.8	1149.6	875.7	674.6	551.6	478.9	437.9	419.3	418.0
62.5°	1627.1	1612.5	1463.1	1186.6	891.6	665.4	531.8	457.7	418.0	400.8	396.9
65°	1644.3	1631.1	1485.6	1201.1	889.0	646.9	505.3	431.2	392.9	375.7	373.0
66°	1645.6	1631.1	1485.6	1198.5	882.3	636.3	493.4	419.3	382.3	365.1	362.5
67.5°	1635.0	1621.8	1476.3	1185.3	863.8	616.4	469.6	399.5	362.5	345.3	343.9
70°	1586.1	1575.5	1426.0	1135.0	820.2	572.8	429.9	361.1	325.4	313.5	309.5
72.5°	1480.3	1468.4	1325.5	1041.1	748.7	513.3	379.7	316.2	287.1	272.5	271.2
75°	1316.2	1310.9	1172.0	916.7	645.5	441.8	321.5	267.2	243.4	232.8	232.8
77.5°	1101.9	1091.3	973.6	758.0	530.5	357.2	258.0	216.9	198.4	189.2	190.5
80°	857.2	849.3	750.1	568.8	400.8	268.5	193.1	165.4	152.1	146.8	144.2
82.5°	587.3	566.2	500.0	377.0	260.6	181.2	133.6	115.1	108.5	107.2	105.8
85°	305.6	313.5	263.2	199.7	141.5	100.5	80.7	74.1	71.4	72.8	72.8
87.5°	100.5	103.2	79.4	60.9	46.3	35.7	30.4	29.1	25.1	27.8	29.1
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)