

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: P674989

Luminaire Tested: **CCW-SA-1A-750-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674989
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-750-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T3 distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2827.5 lumens
Efficiency: N/A
Efficacy: 157.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

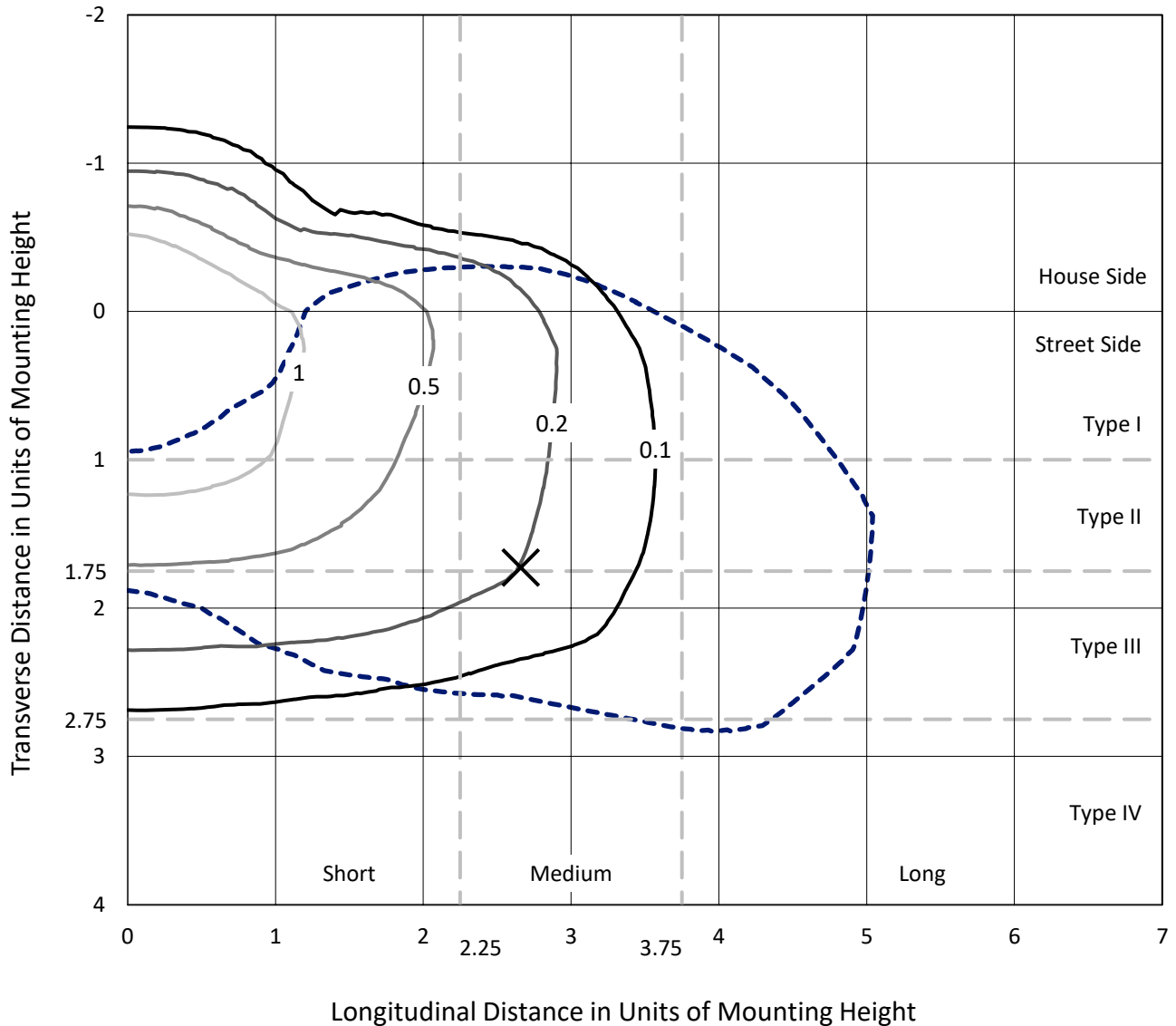
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

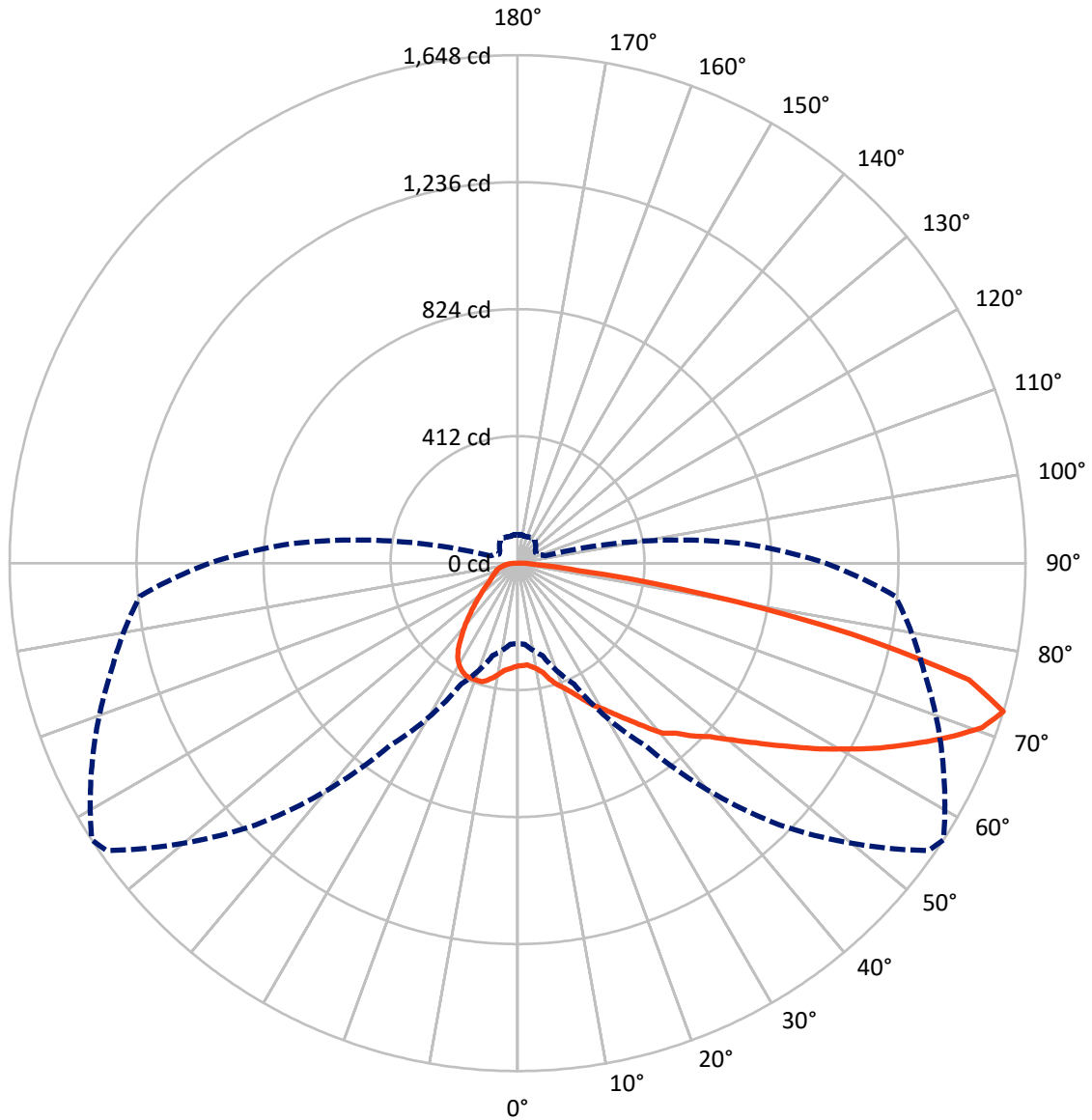
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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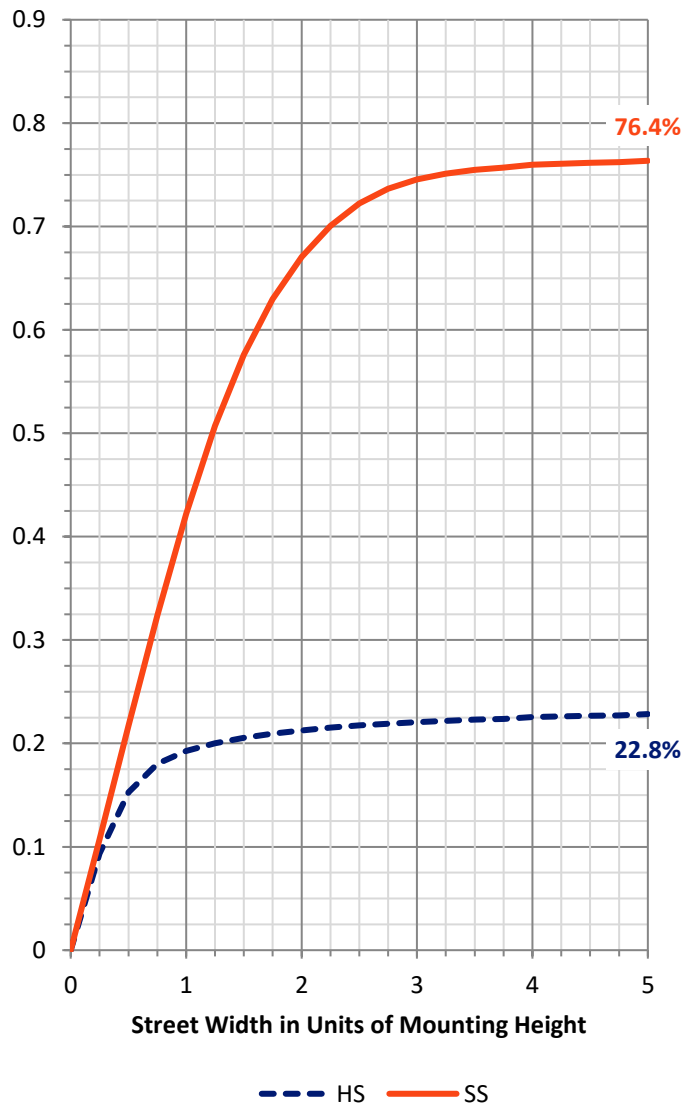
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	660.3	0.0	660.3
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	2167.2	0.0	2167.2
	% Fixture	76.6	0.0	76.6
Total	Lumens	2827.5	0.0	2827.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	1.2
10°-20°	111.6	3.9
20°-30°	204.1	7.2
30°-40°	299.4	10.6
40°-50°	412.3	14.6
50°-60°	565.4	20.0
60°-70°	681.5	24.1
70°-80°	454.0	16.1
80°-90°	66.1	2.3
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°	2827.5	100.0
0°-180°	2827.5	100.0



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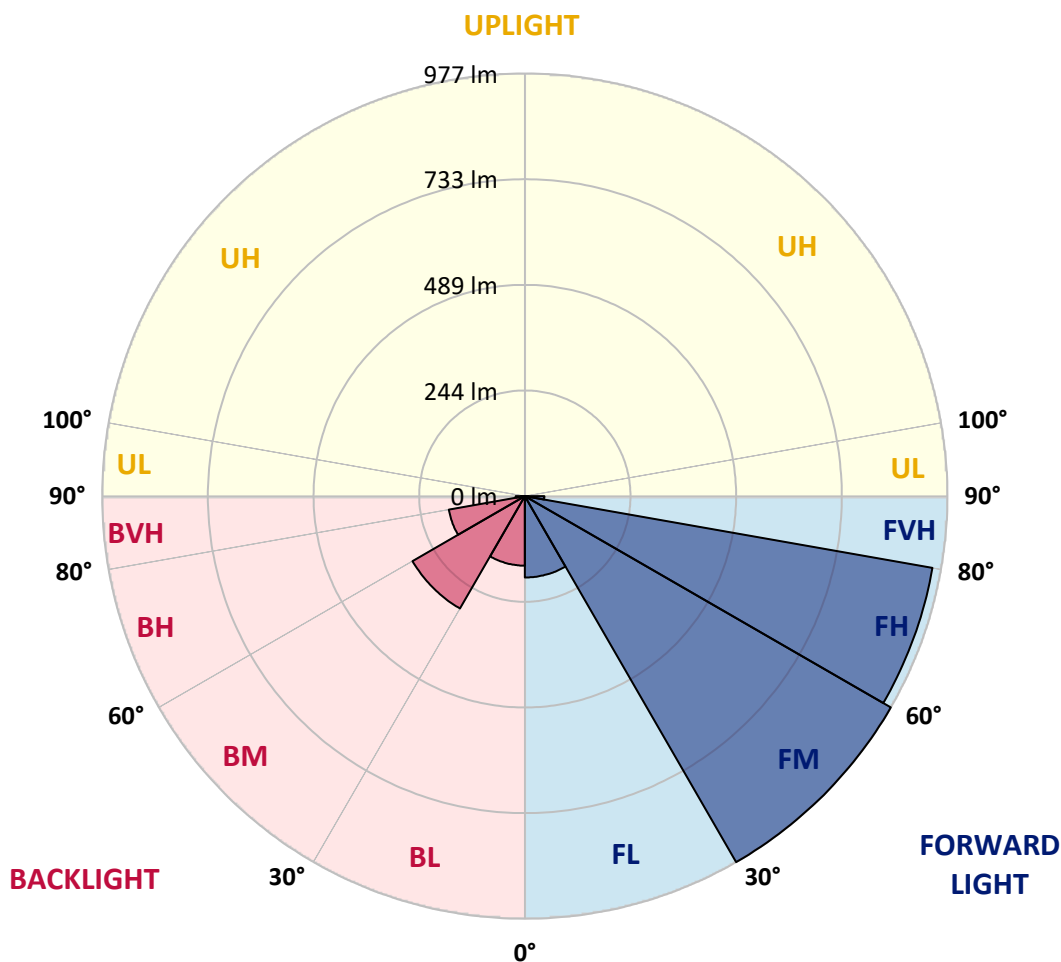
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.1	6.7			
FM (30°-60°)	977.1	34.6			
FH (60°-80°)	956.9	33.8			G1/1800
FVH (80°-90°)	45.0	1.6			G1/100
BL (0°-30°)	160.8	5.7	B1/500		
BM (30°-60°)	299.9	10.6	B1/1000		
BH (60°-80°)	178.5	6.3	B1/500		G1/500
BVH (80°-90°)	21.1	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7
2.5°	327.6	328.6	330.6	329.6	329.6	326.5	331.7	332.7	330.6	331.7	333.7
5°	327.6	329.6	332.7	330.6	331.7	330.6	328.6	331.7	331.7	332.7	335.8
7.5°	345.1	344.0	344.0	340.9	339.9	338.9	339.9	339.9	337.9	338.9	338.9
10°	364.6	364.6	362.6	362.6	360.5	355.4	350.2	349.2	346.1	347.1	347.1
12.5°	385.2	387.3	389.4	383.2	381.1	372.9	369.8	363.6	363.6	361.5	360.5
15°	411.0	407.9	410.0	407.9	402.8	394.5	389.4	390.4	383.2	381.1	378.0
17.5°	433.7	434.7	431.6	429.5	420.3	414.1	415.1	414.1	404.8	401.7	396.6
20°	460.4	459.4	459.4	453.2	445.0	436.7	433.7	432.6	434.7	428.5	416.1
22.5°	488.2	484.1	484.1	479.0	467.6	462.5	460.4	456.3	458.4	453.2	434.7
25°	510.9	510.9	518.1	507.8	501.6	491.3	487.2	488.2	489.3	479.0	457.3
27.5°	540.8	535.6	542.8	537.7	534.6	523.3	518.1	521.2	519.1	507.8	477.9
30°	578.9	579.9	575.8	568.6	564.5	556.2	553.1	550.1	553.1	538.7	500.6
32.5°	626.3	629.4	619.1	610.8	603.6	595.4	589.2	586.1	589.2	567.6	518.1
35°	680.9	684.0	675.7	666.4	658.2	637.6	632.5	627.3	616.0	581.0	534.6
37.5°	731.3	727.2	725.2	725.2	709.7	679.8	676.7	673.7	652.0	607.7	557.3
40°	765.3	770.5	768.4	766.4	764.3	736.5	730.3	725.2	689.1	647.9	589.2
42.5°	803.4	800.4	808.6	811.7	804.5	796.2	771.5	754.0	722.1	689.1	636.6
45°	848.8	846.7	849.8	861.1	850.8	853.9	812.7	800.4	760.2	740.6	696.3
47.5°	888.9	894.1	909.5	912.6	904.4	918.8	861.1	841.6	815.8	800.4	758.1
50°	906.4	912.6	947.7	969.3	970.3	993.0	909.5	901.3	866.3	872.5	835.4
52.5°	892.0	911.6	953.8	1010.5	1045.5	1068.2	973.4	969.3	937.4	956.9	919.8
55°	905.4	924.0	951.8	1031.1	1119.7	1124.8	1062.0	1046.5	1014.6	1041.4	1007.4
57.5°	911.6	901.3	953.8	1053.7	1174.3	1187.7	1146.5	1135.1	1110.4	1136.2	1116.6
60°	863.2	875.5	925.0	1047.6	1177.4	1254.6	1241.2	1224.7	1202.1	1225.8	1214.4
62.5°	808.6	816.8	870.4	1010.5	1194.9	1303.0	1332.9	1320.5	1288.6	1309.2	1328.8
65°	739.6	740.6	800.4	944.6	1160.9	1330.8	1413.2	1412.2	1389.5	1384.4	1415.3
67.5°	655.1	663.4	710.7	874.5	1114.5	1361.7	1492.6	1508.0	1462.7	1422.5	1433.8
70°	502.7	510.9	556.2	716.9	1019.8	1352.5	1590.4	1598.6	1510.1	1408.1	1379.2
72.5°	261.6	263.7	310.0	432.6	723.1	1201.0	1626.5	1648.1	1522.4	1365.9	1229.9
75°	86.5	86.5	106.1	164.8	340.9	768.4	1473.0	1512.1	1461.6	1260.8	1006.4
77.5°	51.5	52.5	62.8	82.4	136.0	307.0	1038.3	1107.3	1195.9	1072.3	735.5
80°	37.1	38.1	47.4	56.7	81.4	98.9	521.2	617.0	734.4	690.1	392.5
82.5°	27.8	27.8	37.1	42.2	55.6	58.7	145.2	198.8	317.3	247.2	108.2
85°	28.8	28.8	28.8	29.9	38.1	34.0	60.8	64.9	92.7	81.4	29.9
87.5°	10.3	11.3	28.8	19.6	19.6	14.4	23.7	25.8	33.0	34.0	11.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7	333.7
2.5°	334.8	334.8	335.8	335.8	337.9	339.9	343.0	340.9	340.9	342.0	340.9
5°	333.7	334.8	337.9	343.0	345.1	346.1	352.3	352.3	352.3	354.3	354.3
7.5°	337.9	339.9	345.1	350.2	351.2	354.3	362.6	364.6	369.8	371.9	372.9
10°	348.2	351.2	355.4	361.5	365.7	369.8	376.0	383.2	382.2	388.3	389.4
12.5°	363.6	362.6	369.8	376.0	380.1	386.3	388.3	388.3	388.3	388.3	390.4
15°	376.0	378.0	384.2	388.3	393.5	392.5	388.3	384.2	385.2	384.2	384.2
17.5°	394.5	394.5	399.7	400.7	402.8	392.5	386.3	386.3	389.4	389.4	387.3
20°	413.1	412.0	414.1	413.1	399.7	387.3	386.3	387.3	388.3	387.3	386.3
22.5°	430.6	428.5	425.4	421.3	397.6	386.3	384.2	379.1	373.9	373.9	370.8
25°	446.0	444.0	435.7	423.4	396.6	380.1	369.8	357.4	351.2	348.2	352.3
27.5°	460.4	456.3	445.0	423.4	387.3	363.6	344.0	328.6	323.4	319.3	323.4
30°	480.0	472.8	457.3	420.3	372.9	337.9	311.1	292.5	287.4	281.2	283.3
32.5°	497.5	481.0	467.6	411.0	354.3	309.0	278.1	259.6	250.3	245.2	249.3
35°	516.1	499.6	471.8	396.6	325.5	274.0	243.1	225.6	218.4	211.2	211.2
37.5°	534.6	525.3	477.9	369.8	290.5	241.0	213.2	199.8	187.5	174.1	174.1
40°	573.7	561.4	485.2	338.9	255.5	209.1	189.5	172.0	159.7	141.1	140.1
42.5°	614.9	588.2	485.2	301.8	224.6	186.4	167.9	149.4	126.7	115.4	116.4
45°	667.5	636.6	471.8	268.8	193.7	167.9	147.3	123.6	113.3	106.1	106.1
47.5°	733.4	685.0	455.3	232.8	168.9	151.4	125.7	111.2	104.0	97.9	96.8
50°	811.7	729.3	434.7	201.9	148.3	136.0	114.3	103.0	96.8	92.7	92.7
52.5°	894.1	794.2	420.3	174.1	131.8	115.4	106.1	98.9	93.7	90.6	89.6
55°	977.5	859.1	410.0	144.2	116.4	106.1	104.0	97.9	95.8	92.7	90.6
57.5°	1071.3	912.6	407.9	123.6	104.0	102.0	106.1	100.9	97.9	94.8	91.7
60°	1172.2	984.7	389.4	107.1	97.9	99.9	103.0	97.9	95.8	92.7	90.6
62.5°	1272.1	1038.3	338.9	94.8	91.7	93.7	97.9	93.7	90.6	91.7	92.7
65°	1313.3	1042.4	262.7	85.5	84.5	85.5	91.7	90.6	87.6	93.7	93.7
67.5°	1272.1	1005.3	185.4	77.3	77.3	82.4	92.7	94.8	91.7	99.9	98.9
70°	1178.4	913.7	125.7	72.1	74.2	87.6	95.8	93.7	89.6	99.9	97.9
72.5°	1000.2	731.3	91.7	67.0	70.0	83.4	94.8	92.7	89.6	93.7	89.6
75°	750.9	520.2	72.1	60.8	61.8	75.2	97.9	92.7	84.5	82.4	79.3
77.5°	501.6	321.4	55.6	53.6	53.6	65.9	93.7	86.5	76.2	73.1	72.1
80°	239.0	128.8	44.3	45.3	46.4	56.7	85.5	77.3	69.0	64.9	64.9
82.5°	76.2	48.4	37.1	37.1	37.1	46.4	71.1	64.9	59.7	56.7	51.5
85°	26.8	26.8	31.9	33.0	29.9	34.0	58.7	55.6	49.4	41.2	40.2
87.5°	10.3	15.5	21.6	25.8	18.5	23.7	42.2	39.1	36.1	26.8	25.8
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)