

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: P675134

Luminaire Tested: **CCW-SA-1B-750-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675134
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-750-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T4FT distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

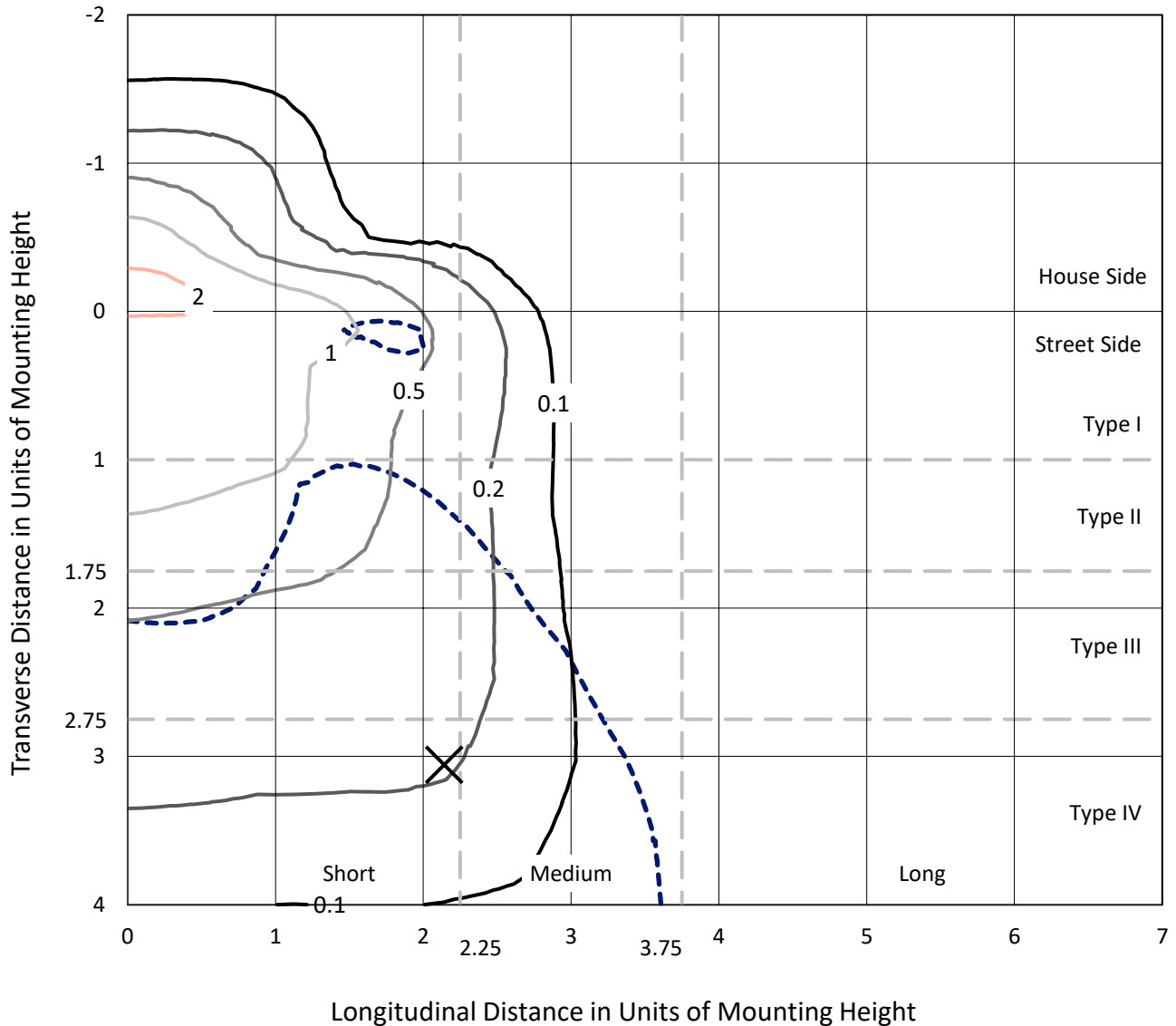
Lumens per Lamp: N/A
Luminaire Lumens: 3530.5 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 24
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

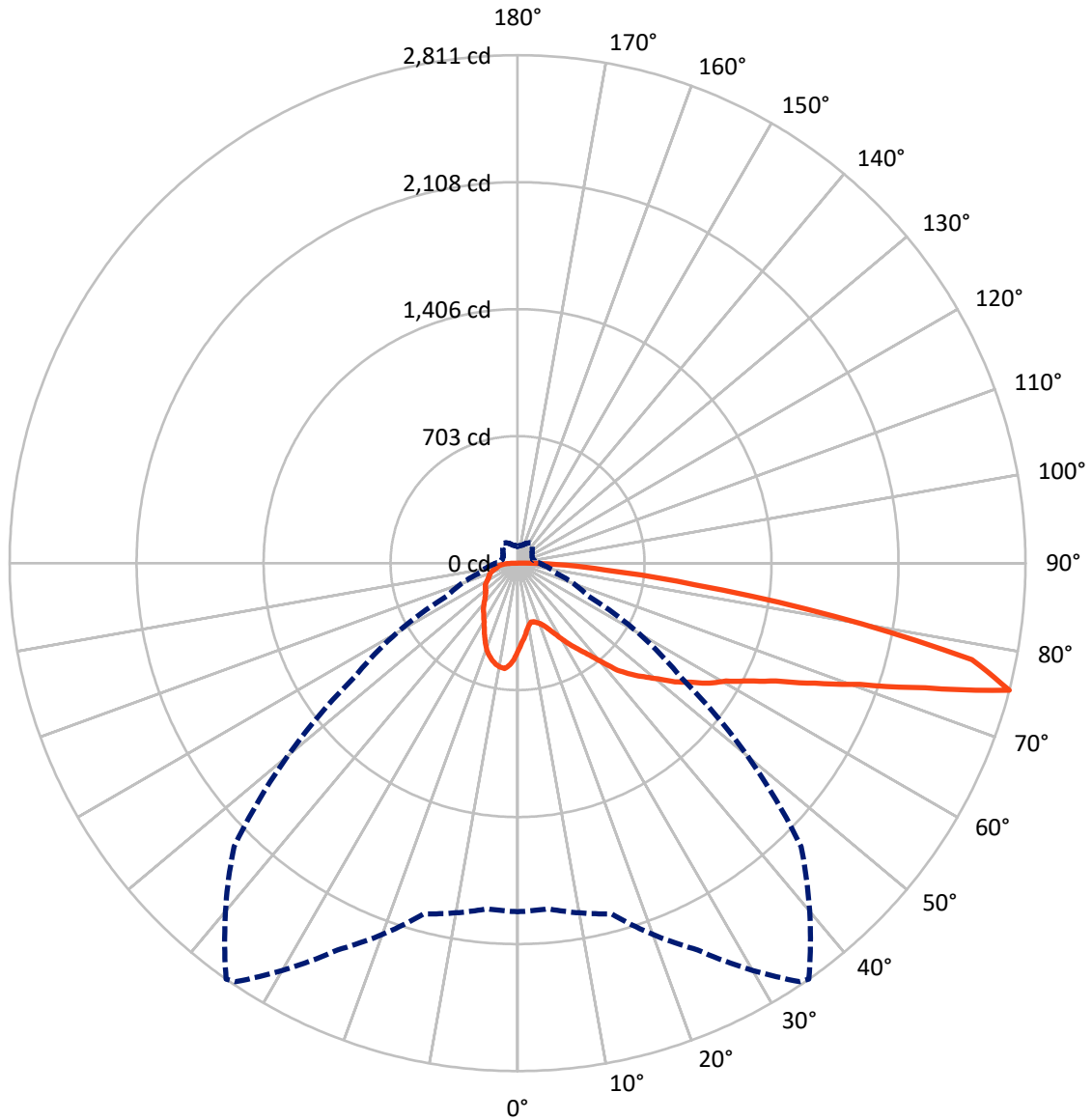
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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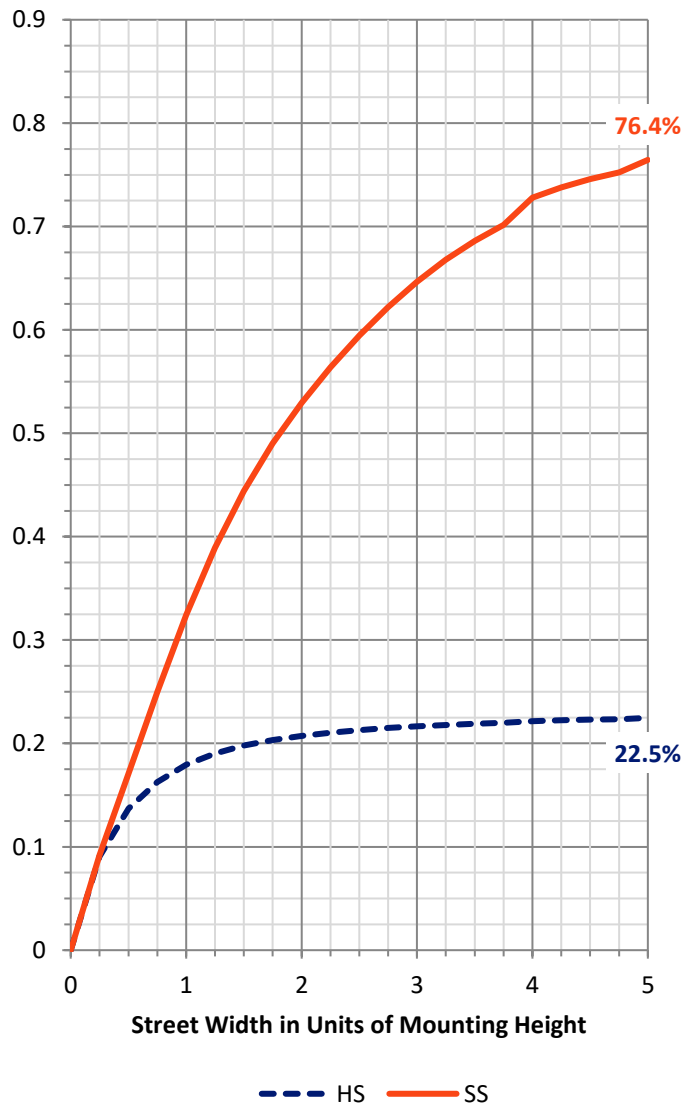
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	811.4	0.0	811.4
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	2719.1	0.0	2719.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	3530.5	0.0	3530.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	1.3
10°-20°	133.8	3.8
20°-30°	222.0	6.3
30°-40°	329.0	9.3
40°-50°	474.4	13.4
50°-60°	652.4	18.5
60°-70°	805.8	22.8
70°-80°	737.2	20.9
80°-90°	129.8	3.7
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°	3530.5	100.0
0°-180°	3530.5	100.0



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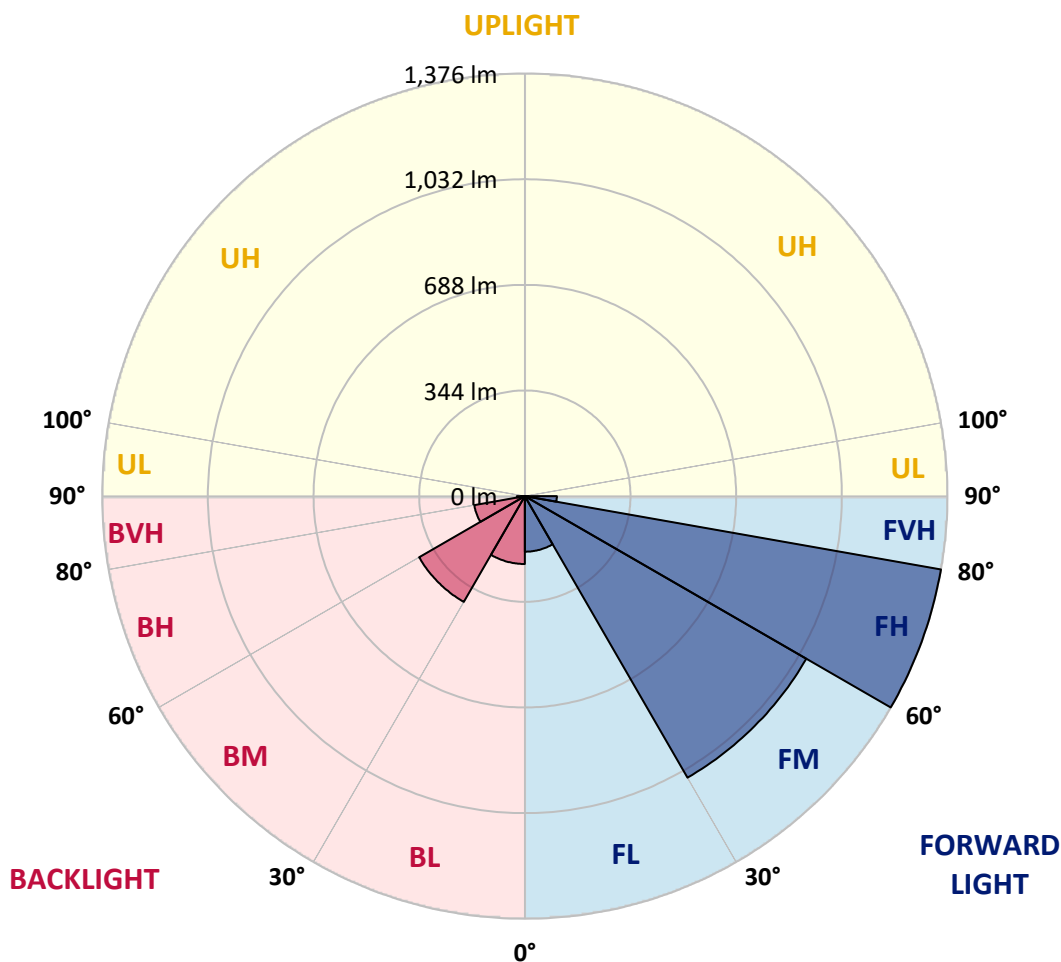
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.0	5.1			
FM (30°-60°)	1058.2	30.0			
FH (60°-80°)	1375.8	39.0			G1/1800
FVH (80°-90°)	104.2	3.0			G2/225
BL (0°-30°)	220.8	6.3	B1/500		
BM (30°-60°)	397.6	11.3	B1/1000		
BH (60°-80°)	167.3	4.7	B1/500		G1/500
BVH (80°-90°)	25.6	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7
2.5°	438.2	434.3	438.2	440.8	440.8	440.8	444.7	456.4	464.2	469.4	478.5
5°	392.7	394.0	396.6	403.1	407.0	409.6	416.1	430.4	442.1	459.0	478.5
7.5°	352.4	355.0	358.9	365.4	374.5	373.2	387.5	407.0	429.1	451.2	479.8
10°	331.6	336.8	338.1	339.4	348.5	348.5	368.0	390.1	417.4	446.0	479.8
12.5°	335.5	335.5	331.6	330.3	335.5	334.2	351.1	377.1	407.0	447.3	485.0
15°	347.2	347.2	339.4	331.6	339.4	336.8	351.1	371.9	407.0	448.6	495.4
17.5°	362.8	364.1	355.0	342.0	344.6	345.9	356.3	375.8	407.0	451.2	509.7
20°	394.0	387.5	373.2	352.4	361.5	357.6	373.2	390.1	414.8	461.6	530.5
22.5°	421.3	421.3	394.0	375.8	377.1	377.1	391.4	405.7	426.5	475.9	546.1
25°	465.5	462.9	429.1	401.8	404.4	405.7	413.5	430.4	446.0	483.7	565.6
27.5°	521.4	514.9	481.1	449.9	439.5	443.4	447.3	460.3	464.2	496.7	589.0
30°	581.2	572.1	543.5	494.1	488.9	490.2	483.7	491.5	486.3	517.5	612.4
32.5°	618.9	618.9	591.6	555.2	540.9	540.9	518.8	524.0	524.0	537.0	654.0
35°	651.4	648.8	630.6	603.3	594.2	589.0	566.9	574.7	561.7	574.7	712.5
37.5°	700.8	693.0	685.2	667.0	648.8	644.9	633.2	638.4	620.2	613.7	778.9
40°	758.1	754.2	746.4	738.6	720.3	719.0	706.0	711.2	691.7	667.0	845.2
42.5°	842.6	830.9	806.2	799.7	803.6	808.8	803.6	794.5	759.4	728.2	916.7
45°	927.1	908.9	862.1	851.7	881.6	877.7	899.8	895.9	838.7	789.3	992.1
47.5°	981.7	966.1	928.4	921.9	934.9	940.1	1006.4	994.7	903.7	845.2	1064.9
50°	1020.7	1022.0	972.6	989.5	1006.4	1006.4	1089.6	1088.3	983.0	914.1	1159.8
52.5°	1077.9	1059.7	1038.9	1054.5	1077.9	1090.9	1193.6	1165.0	1032.4	972.6	1266.5
55°	1107.8	1100.0	1081.8	1109.1	1158.5	1165.0	1274.3	1252.2	1088.3	1041.5	1375.7
57.5°	1119.5	1126.0	1155.9	1167.6	1236.6	1253.5	1347.1	1315.9	1140.3	1127.3	1460.2
60°	1171.5	1162.4	1202.7	1249.6	1315.9	1325.0	1438.1	1370.5	1191.0	1183.2	1487.5
62.5°	1276.9	1253.5	1275.6	1331.5	1423.8	1435.5	1534.3	1443.3	1213.2	1221.0	1486.2
65°	1430.3	1413.4	1380.9	1425.1	1555.1	1572.0	1647.4	1505.7	1206.7	1208.0	1380.9
67.5°	1611.0	1583.7	1549.9	1577.2	1735.9	1774.9	1785.3	1533.0	1161.1	1135.1	1123.4
70°	1769.7	1751.5	1729.4	1776.2	1997.2	2011.5	1956.9	1516.1	1035.0	911.5	749.0
72.5°	1917.9	1908.8	1921.8	2097.3	2350.9	2360.0	2118.1	1409.5	817.9	552.6	348.5
75°	1929.6	1920.5	2010.2	2362.6	2794.3	2811.2	2218.3	1105.2	431.7	224.9	146.9
77.5°	1306.8	1334.1	1501.8	2068.7	2566.7	2570.6	1813.9	513.6	178.1	132.6	102.7
80°	321.2	356.3	565.6	1070.1	1730.7	1773.6	993.4	172.9	117.0	101.4	76.7
82.5°	117.0	127.4	230.1	483.7	972.6	989.5	347.2	93.6	84.5	78.0	55.9
85°	55.9	57.2	109.2	237.9	491.5	486.3	124.8	55.9	61.1	53.3	33.8
87.5°	23.4	23.4	48.1	110.5	217.1	210.6	40.3	26.0	35.1	31.2	16.9
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°	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7
2.5°	485.0	487.6	498.0	505.8	513.6	520.1	530.5	530.5	537.0	537.0	537.0
5°	483.7	498.0	514.9	533.1	544.8	556.5	566.9	568.2	572.1	577.3	578.6
7.5°	488.9	503.2	530.5	556.5	570.8	576.0	589.0	585.1	585.1	585.1	589.0
10°	499.3	514.9	552.6	576.0	586.4	587.7	583.8	581.2	573.4	570.8	566.9
12.5°	507.1	534.4	572.1	590.3	586.4	582.5	573.4	560.4	551.3	548.7	548.7
15°	526.6	553.9	589.0	595.5	589.0	568.2	556.5	542.2	534.4	522.7	527.9
17.5°	543.5	574.7	605.9	598.1	585.1	552.6	535.7	514.9	504.5	491.5	491.5
20°	565.6	594.2	621.5	600.7	572.1	537.0	509.7	483.7	469.4	456.4	459.0
22.5°	590.3	616.3	630.6	590.3	552.6	512.3	474.6	449.9	431.7	423.9	426.5
25°	609.8	638.4	635.8	573.4	529.2	481.1	439.5	416.1	412.2	404.4	404.4
27.5°	634.5	664.4	631.9	552.6	490.2	431.7	405.7	396.6	396.6	392.7	395.3
30°	667.0	687.8	622.8	522.7	440.8	387.5	374.5	379.7	388.8	384.9	386.2
32.5°	720.3	717.7	615.0	488.9	388.8	344.6	353.7	364.1	371.9	375.8	378.4
35°	772.4	755.5	605.9	443.4	340.7	323.8	331.6	343.3	357.6	361.5	362.8
37.5°	824.4	794.5	590.3	387.5	310.8	305.6	313.4	319.9	331.6	334.2	336.8
40°	879.0	820.5	563.0	332.9	286.1	286.1	291.3	292.6	299.1	303.0	305.6
42.5°	927.1	845.2	513.6	282.2	260.1	269.2	270.5	267.9	262.7	265.3	266.6
45°	985.6	872.5	456.4	245.8	240.5	252.3	254.9	244.5	235.3	230.1	227.5
47.5°	1042.8	901.1	407.0	215.8	222.3	240.5	240.5	228.8	213.2	200.2	195.0
50°	1094.8	929.7	366.7	197.6	204.1	231.4	234.0	211.9	195.0	179.4	176.8
52.5°	1181.9	977.8	325.1	183.3	193.7	224.9	223.6	204.1	182.0	165.1	163.8
55°	1258.7	1025.9	270.5	169.0	183.3	215.8	219.7	196.3	166.4	150.8	148.2
57.5°	1314.6	1037.6	215.8	154.7	172.9	205.4	210.6	180.7	156.0	143.0	141.7
60°	1325.0	992.1	175.5	143.0	158.6	191.1	195.0	171.6	148.2	137.8	135.2
62.5°	1276.9	905.0	149.5	132.6	146.9	176.8	184.6	161.2	140.4	131.3	130.0
65°	1167.6	777.6	131.3	123.5	139.1	166.4	175.5	153.4	133.9	126.1	124.8
67.5°	924.5	596.8	117.0	117.0	128.7	156.0	169.0	148.2	127.4	122.2	120.9
70°	604.6	358.9	106.6	107.9	120.9	146.9	161.2	141.7	119.6	118.3	115.7
72.5°	260.1	165.1	94.9	98.8	109.2	131.3	149.5	132.6	110.5	106.6	102.7
75°	119.6	100.1	85.8	88.4	97.5	115.7	135.2	122.2	102.7	96.2	92.3
77.5°	84.5	72.8	71.5	76.7	83.2	100.1	119.6	114.4	94.9	89.7	87.1
80°	62.4	55.9	59.8	65.0	68.9	92.3	113.1	105.3	87.1	79.3	75.4
82.5°	44.2	41.6	46.8	52.0	55.9	80.6	104.0	92.3	72.8	66.3	59.8
85°	26.0	27.3	32.5	35.1	39.0	59.8	87.1	74.1	55.9	42.9	41.6
87.5°	11.7	11.7	15.6	16.9	19.5	35.1	58.5	46.8	35.1	27.3	26.0
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)