

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: P672090

Luminaire Tested: **CCP-SA-1C-730-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672090
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-730-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4182 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

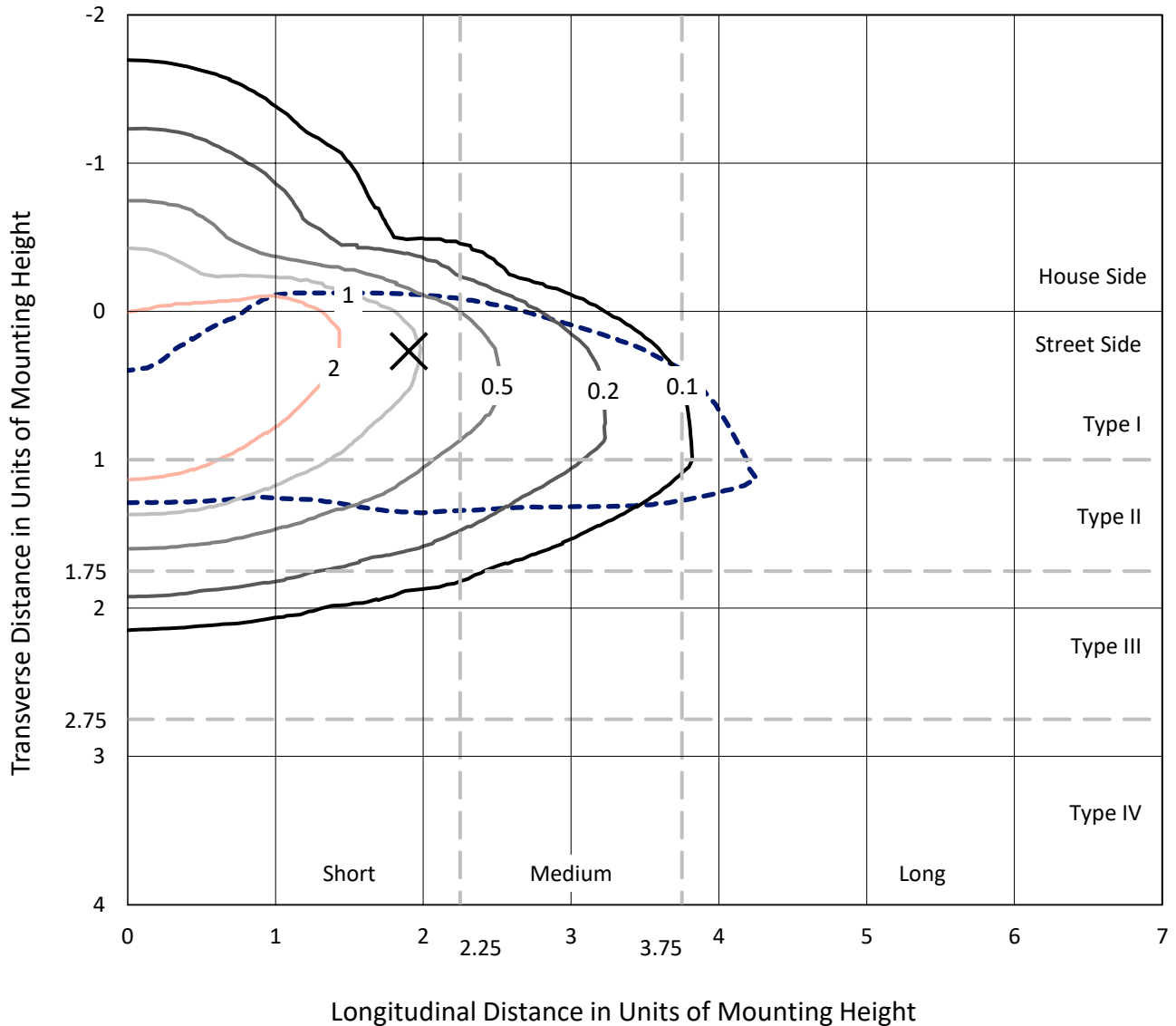
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P672090
 CATALOG NUMBER: CCP-SA-1C-730-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

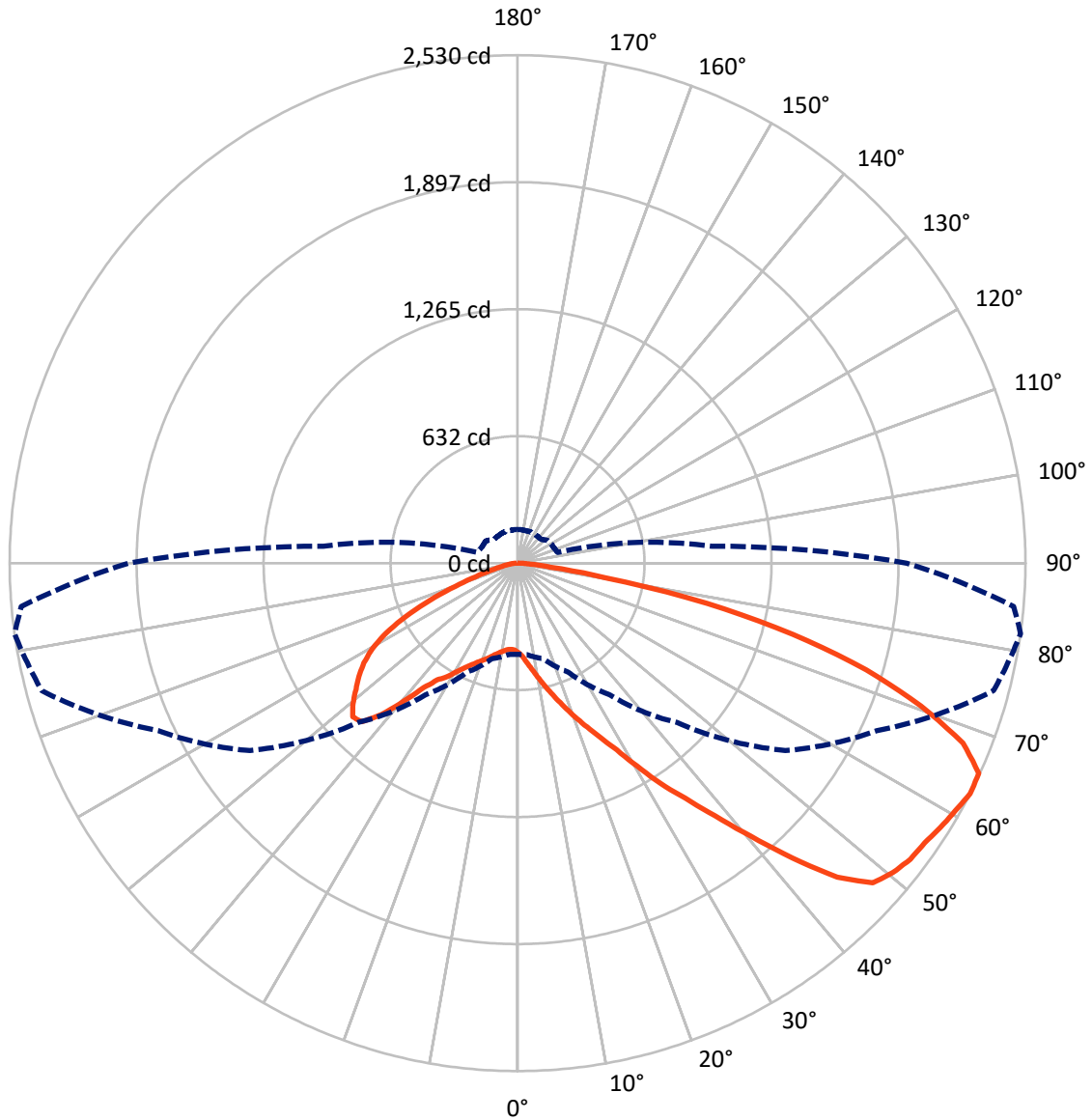
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Short - N/A

REPORT NUMBER: P672090
CATALOG NUMBER: CCP-SA-1C-730-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P672090
 CATALOG NUMBER: CCP-SA-1C-730-U-T2R

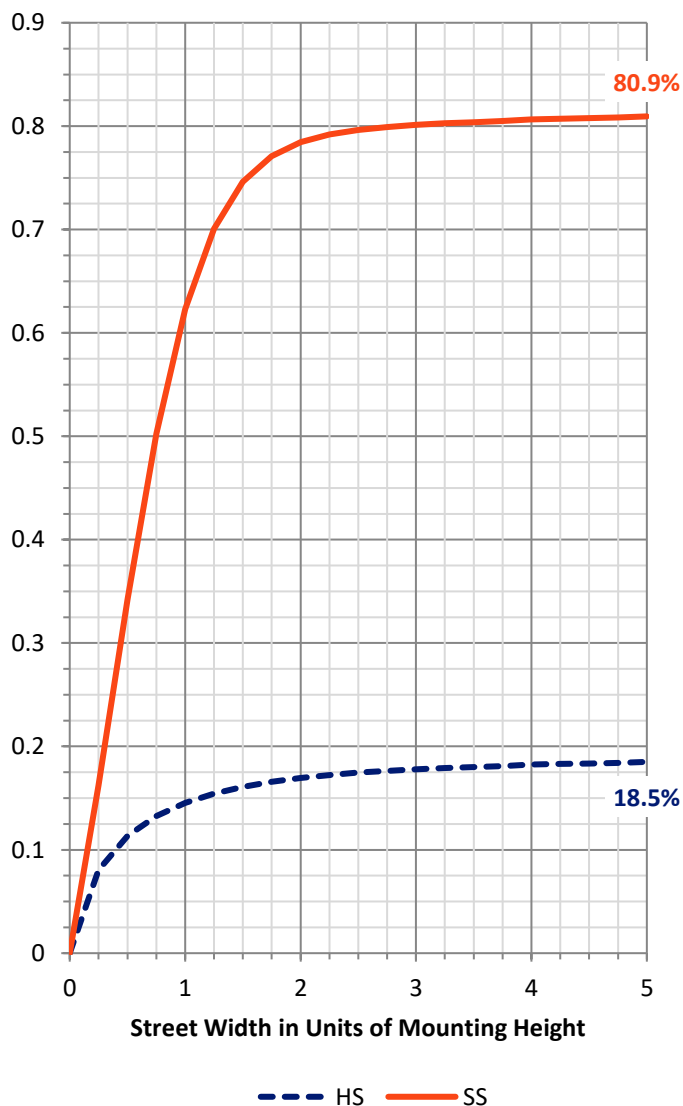
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	787.9	0.0	787.9
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3394.1	0.0	3394.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	4182.0	0.0	4182.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	1.2
10°-20°	185.6	4.4
20°-30°	384.4	9.2
30°-40°	652.4	15.6
40°-50°	888.5	21.2
50°-60°	899.3	21.5
60°-70°	708.8	16.9
70°-80°	349.1	8.3
80°-90°	64.6	1.5
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°	4182.0	100.0
0°-180°	4182.0	100.0



REPORT NUMBER: P672090

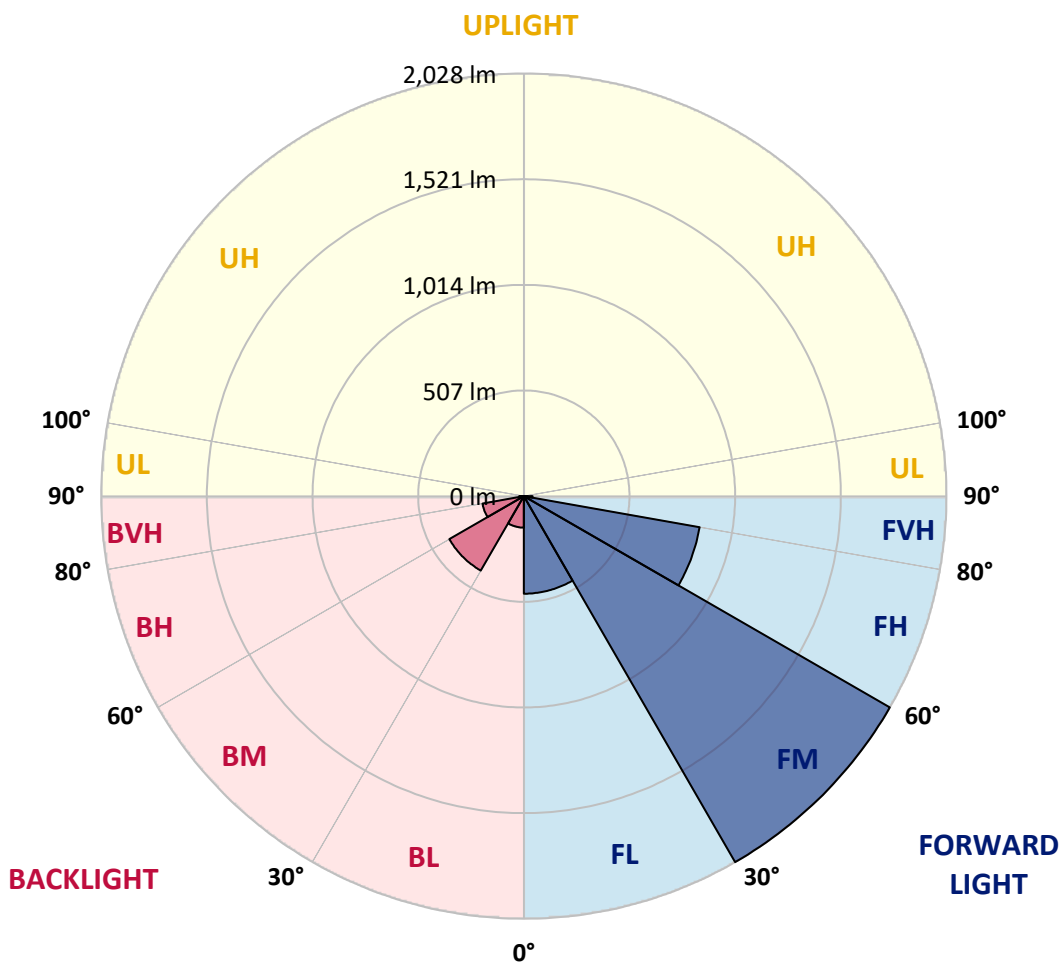
CATALOG NUMBER: CCP-SA-1C-730-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	468.1	11.2			
FM (30°-60°)	2027.6	48.5			
FH (60°-80°)	856.5	20.5			G1/1800
FVH (80°-90°)	42.0	1.0			G1/100
BL (0°-30°)	151.2	3.6	B1/500		
BM (30°-60°)	412.7	9.9	B1/1000		
BH (60°-80°)	201.4	4.8	B1/500		G1/500
BVH (80°-90°)	22.6	0.5			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 II Short





REPORT NUMBER: P672090

CATALOG NUMBER: CCP-SA-1C-730-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7
2.5°	592.3	583.2	578.4	573.0	557.9	548.3	530.2	509.2	484.8	464.0	460.1
5°	717.2	708.2	709.4	696.1	674.2	653.7	620.0	580.2	533.8	498.3	486.0
7.5°	805.4	795.5	797.9	792.5	774.7	752.1	709.4	658.2	590.5	537.8	517.9
10°	864.5	865.7	867.5	865.4	853.9	838.0	795.5	738.9	654.6	584.4	557.3
12.5°	931.3	934.6	934.0	934.9	928.9	916.2	874.7	821.4	722.9	634.7	599.5
15°	1016.5	1013.2	1015.9	1019.8	1013.2	999.3	962.6	899.4	794.6	690.7	647.1
17.5°	1109.8	1102.9	1110.2	1106.2	1101.4	1092.4	1052.0	984.6	868.7	751.2	700.1
20°	1190.5	1186.0	1189.9	1190.5	1191.4	1189.6	1148.1	1076.4	946.4	817.2	757.3
22.5°	1281.2	1279.1	1278.5	1278.8	1279.7	1281.8	1253.5	1177.0	1032.5	886.4	819.0
25°	1407.9	1405.8	1392.0	1376.6	1367.6	1374.2	1359.5	1291.1	1127.6	964.1	886.7
27.5°	1550.1	1546.7	1528.4	1489.5	1460.6	1465.4	1463.9	1417.0	1237.2	1053.2	968.0
30°	1697.6	1689.5	1664.2	1609.7	1564.2	1555.8	1560.0	1544.3	1375.1	1171.6	1081.2
32.5°	1829.2	1814.1	1780.7	1725.6	1671.4	1647.0	1647.6	1654.5	1525.1	1309.5	1199.9
35°	1909.6	1899.6	1874.6	1818.9	1758.4	1742.2	1737.6	1772.3	1662.7	1437.1	1306.2
37.5°	1952.9	1943.3	1916.5	1871.6	1825.9	1819.2	1827.7	1881.3	1818.9	1596.4	1450.7
40°	1945.1	1934.9	1917.4	1886.1	1856.0	1861.1	1898.4	1981.2	1989.7	1787.0	1656.6
42.5°	1880.7	1869.8	1868.3	1866.2	1852.1	1874.6	1942.1	2054.4	2146.5	2007.1	1906.0
45°	1766.8	1760.2	1768.1	1804.2	1821.9	1865.6	1962.6	2089.9	2284.4	2230.8	2141.7
47.5°	1622.6	1618.7	1636.5	1693.7	1751.2	1837.9	1976.1	2099.6	2379.3	2379.3	2296.2
50°	1461.2	1459.7	1483.2	1566.3	1656.3	1787.0	1974.6	2108.6	2420.8	2422.9	2350.7
52.5°	1236.0	1243.8	1306.5	1416.1	1538.3	1707.2	1953.5	2133.9	2444.3	2449.1	2387.1
55°	976.5	984.0	1078.5	1226.1	1382.6	1610.3	1890.6	2126.4	2448.8	2459.7	2407.9
57.5°	779.5	781.1	840.1	1015.3	1209.2	1486.2	1818.0	2076.4	2435.6	2482.9	2439.8
60°	610.0	614.8	654.3	793.1	1008.1	1326.3	1737.0	2027.0	2443.1	2504.8	2468.7
62.5°	454.4	455.6	492.3	599.8	800.9	1122.5	1627.1	1974.3	2453.7	2529.5	2480.5
65°	296.0	295.7	331.2	428.2	598.3	902.4	1454.6	1891.8	2454.6	2524.1	2426.6
67.5°	188.2	189.4	204.7	265.9	400.5	681.1	1219.8	1738.5	2411.8	2392.8	2230.2
70°	152.7	153.0	157.8	173.7	243.9	465.5	916.8	1498.9	2276.6	2131.2	1938.5
72.5°	136.1	136.4	138.8	140.6	162.6	279.7	601.6	1217.0	2036.3	1816.5	1608.2
75°	122.2	122.2	123.8	121.9	133.4	175.5	341.4	915.0	1677.1	1414.6	1214.9
77.5°	107.2	106.9	106.9	106.0	115.3	128.3	171.0	638.6	1208.0	964.7	788.0
80°	90.9	90.3	91.2	90.6	99.7	97.3	99.7	394.1	654.9	442.3	335.4
82.5°	70.8	70.8	73.5	74.1	82.2	70.5	70.2	187.0	248.7	165.3	123.8
85°	37.0	41.6	56.0	58.4	62.0	44.3	51.5	87.3	99.7	63.2	45.2
87.5°	11.1	11.7	34.3	38.5	38.2	22.3	31.6	42.2	46.7	28.0	18.4
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: P672090
 CATALOG NUMBER: CCP-SA-1C-730-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7	444.7
2.5°	450.1	439.6	417.3	397.5	382.4	367.9	358.0	352.9	346.3	347.2	345.1
5°	464.0	442.3	402.9	371.0	349.6	333.3	323.4	318.3	313.4	311.0	312.8
7.5°	484.8	451.0	395.9	357.4	335.1	321.3	315.9	314.3	313.1	312.2	313.7
10°	511.6	466.4	394.7	352.6	332.1	323.7	321.6	320.7	319.5	318.3	319.2
12.5°	539.0	483.3	399.0	353.8	336.9	330.6	327.9	326.7	323.7	322.2	322.5
15°	573.3	503.7	404.7	358.6	343.3	335.1	331.5	328.2	323.4	321.3	322.2
17.5°	610.0	528.1	412.5	363.1	345.7	335.7	328.5	323.7	318.9	315.9	316.2
20°	651.6	552.2	419.4	364.6	344.5	330.6	321.9	316.2	309.8	306.5	305.6
22.5°	694.6	577.5	424.9	363.4	337.8	321.9	311.9	305.0	297.5	292.4	292.7
25°	747.0	611.8	429.4	359.2	329.1	310.4	299.3	290.6	282.7	277.9	278.2
27.5°	810.0	650.7	434.8	352.6	318.6	298.1	285.1	276.4	268.9	264.4	263.8
30°	894.0	701.3	440.8	344.5	305.3	284.5	271.9	262.9	255.6	251.4	251.4
32.5°	988.5	763.0	445.0	334.8	290.6	270.1	258.6	251.4	246.0	240.3	239.7
35°	1070.7	810.9	458.0	327.3	277.6	256.5	248.7	243.6	235.5	230.0	229.1
37.5°	1191.4	895.2	496.2	325.2	262.0	246.0	244.5	234.9	225.5	215.3	214.4
40°	1386.0	1041.2	540.8	314.9	245.7	240.3	238.8	225.8	203.8	197.5	196.3
42.5°	1633.5	1217.0	545.6	285.1	234.3	235.5	230.9	205.7	196.0	191.2	190.0
45°	1856.9	1359.8	518.2	254.7	225.8	228.2	218.9	198.1	192.7	188.2	187.0
47.5°	1982.4	1403.7	466.4	231.8	219.5	221.9	199.6	194.5	189.1	184.6	183.4
50°	2017.7	1365.5	406.2	218.6	214.7	215.6	194.5	191.5	186.7	183.1	181.3
52.5°	2024.6	1308.3	350.5	210.8	211.1	202.9	190.0	187.6	184.6	178.9	176.7
55°	2027.6	1256.8	300.5	206.0	208.7	186.7	185.2	183.4	181.0	174.9	173.7
57.5°	2035.4	1190.8	261.4	202.3	205.7	179.2	179.8	178.6	175.5	172.8	172.2
60°	2013.1	1099.6	231.2	198.7	201.4	172.8	173.4	174.0	171.3	170.7	170.4
62.5°	1938.5	970.1	205.7	193.9	192.7	166.5	166.5	168.9	166.5	167.4	167.4
65°	1784.6	805.1	182.8	184.9	179.2	159.6	159.3	163.5	159.9	163.8	164.1
67.5°	1522.4	609.4	159.3	170.7	165.0	152.4	153.6	156.9	152.1	160.2	160.2
70°	1205.0	414.6	134.9	150.9	150.5	144.2	148.1	147.8	142.4	154.5	152.4
72.5°	897.6	266.2	109.9	126.5	131.6	135.5	142.7	136.4	131.3	138.2	131.9
75°	627.2	166.8	86.7	100.0	109.6	125.9	136.1	123.5	115.9	113.8	112.0
77.5°	375.5	106.6	68.3	76.2	85.5	114.4	127.7	109.9	98.5	97.3	93.6
80°	173.1	69.6	52.1	56.9	60.8	98.2	116.2	93.9	80.1	78.9	74.7
82.5°	78.3	45.8	38.8	40.6	40.9	78.0	98.2	74.4	61.1	99.1	85.8
85°	36.4	29.5	25.3	24.1	24.4	52.1	71.4	51.2	69.6	54.2	41.3
87.5°	15.7	15.1	12.9	10.2	9.3	11.1	27.4	21.4	30.4	12.0	8.1
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)