

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: P674564

Luminaire Tested: **CCP-SA-2A-740-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674564
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-740-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

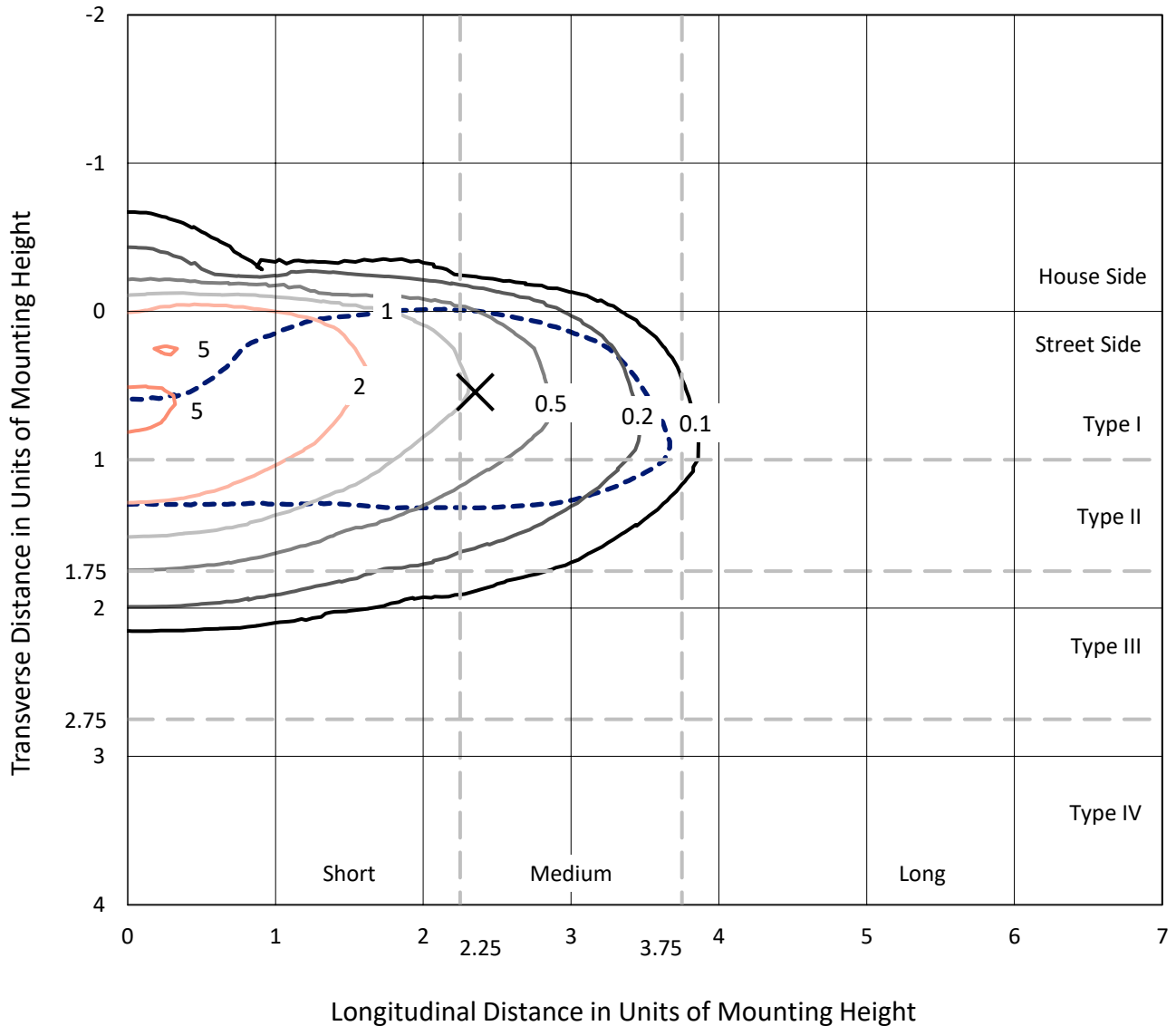
Lumens per Lamp: N/A
Luminaire Lumens: 4430.4 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 36.2
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: P674564
 CATALOG NUMBER: CCP-SA-2A-740-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

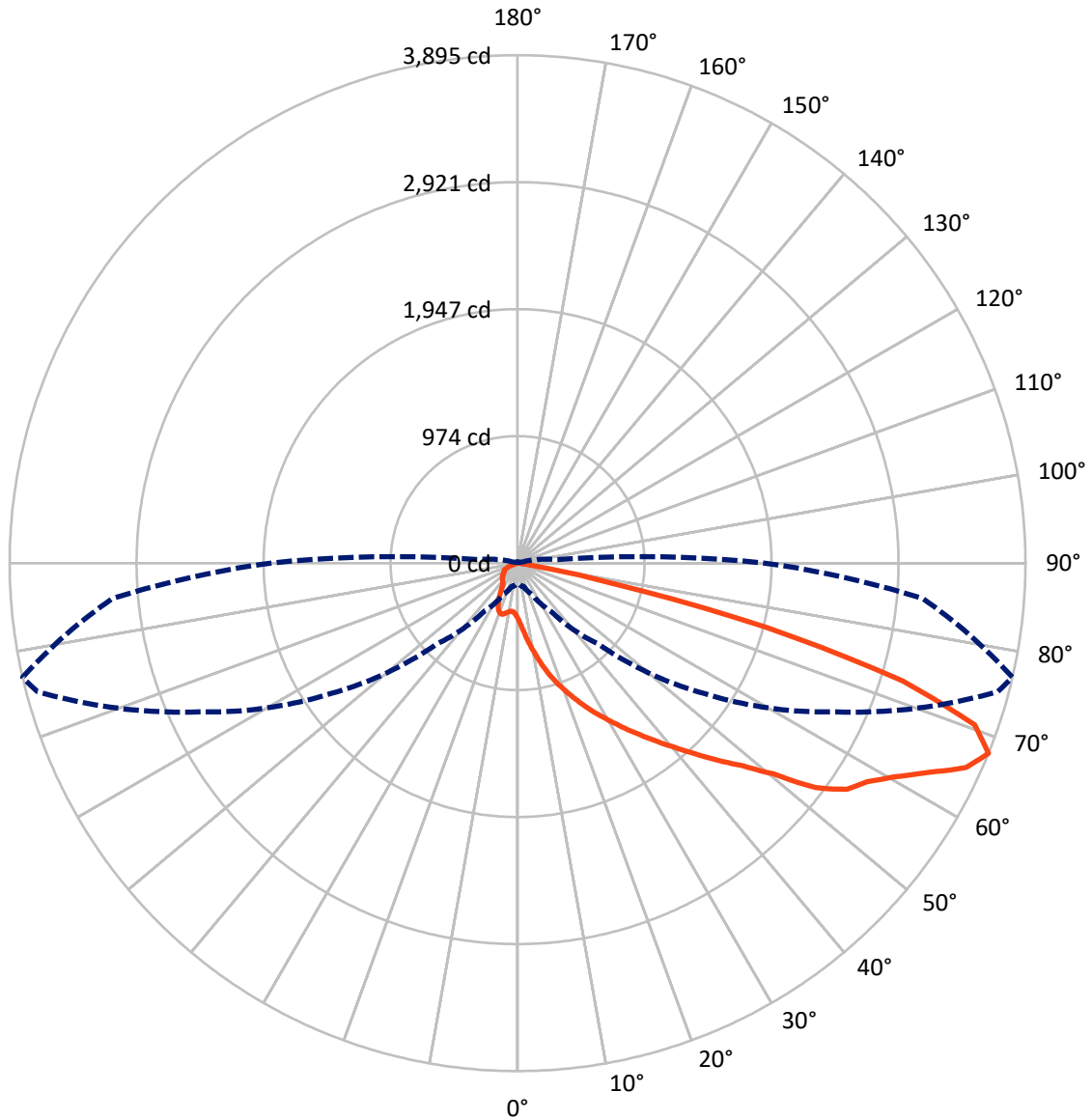
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P674564
CATALOG NUMBER: CCP-SA-2A-740-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P674564
 CATALOG NUMBER: CCP-SA-2A-740-U-T2R-HSS

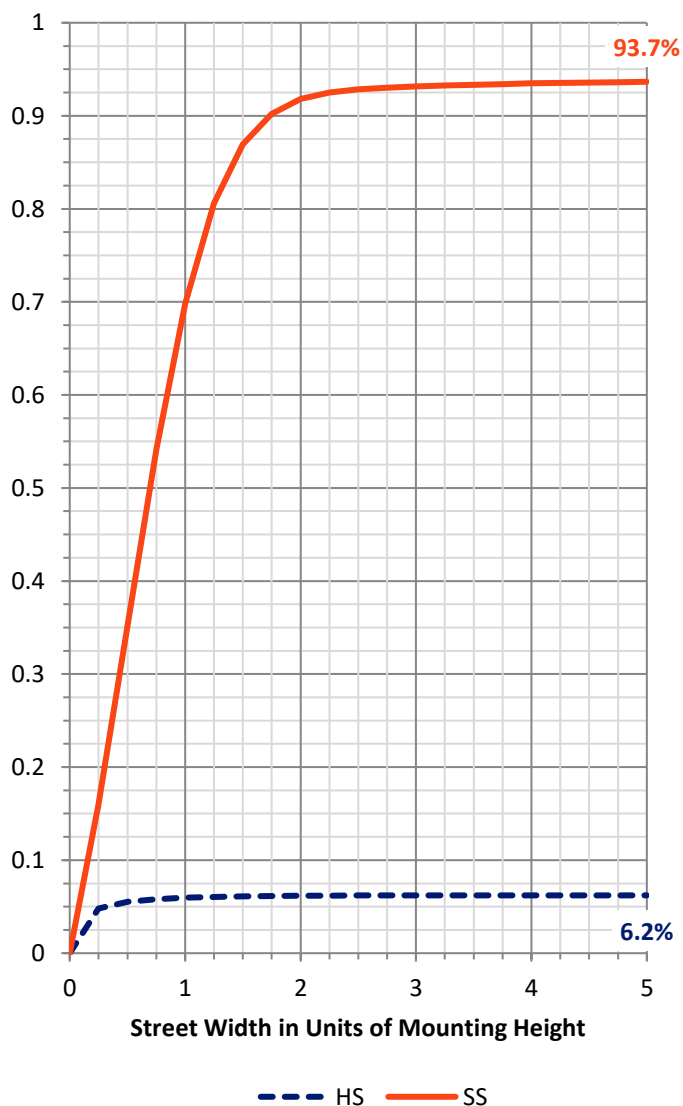
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	276.9	0.0	276.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4153.5	0.0	4153.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	4430.4	0.0	4430.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	1.1
10°-20°	184.4	4.2
20°-30°	360.3	8.1
30°-40°	629.9	14.2
40°-50°	918.7	20.7
50°-60°	1074.3	24.2
60°-70°	870.8	19.7
70°-80°	327.2	7.4
80°-90°	14.9	0.3
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°	4430.4	100.0
0°-180°	4430.4	100.0



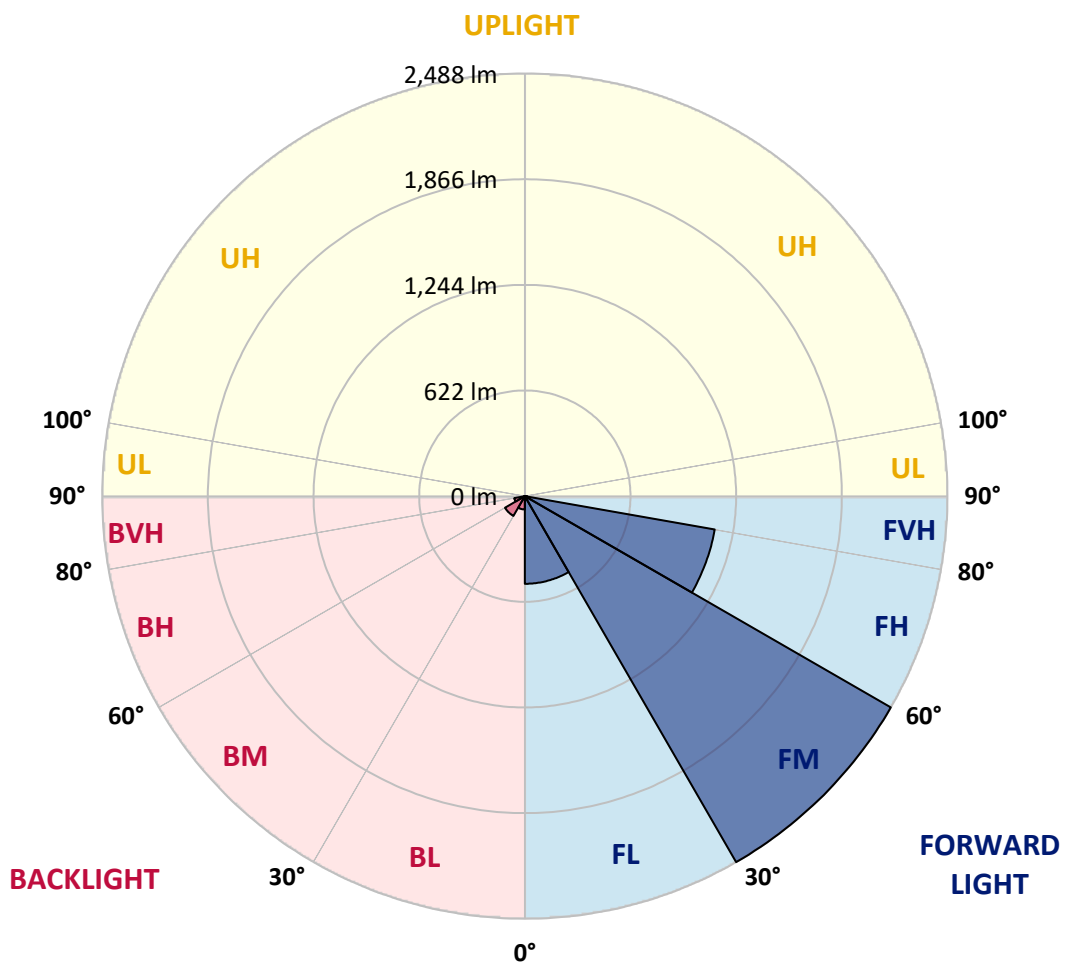
REPORT NUMBER: P674564
 CATALOG NUMBER: CCP-SA-2A-740-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.1	11.6			
FM (30°-60°)	2488.2	56.2			
FH (60°-80°)	1135.2	25.6			G1/1800
FVH (80°-90°)	14.0	0.3			G1/100
BL (0°-30°)	78.5	1.8	B0/110		
BM (30°-60°)	134.7	3.0	B0/220		
BH (60°-80°)	62.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





REPORT NUMBER: P674564
 CATALOG NUMBER: CCP-SA-2A-740-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3
2.5°	637.1	613.9	618.3	608.7	596.3	567.5	537.1	506.7	479.5	473.5	446.3
5°	815.9	808.7	801.1	794.7	768.7	732.7	677.9	608.3	545.5	534.7	478.3
7.5°	954.7	943.9	950.7	931.1	903.9	869.1	799.5	725.1	628.3	612.3	524.7
10°	1057.1	1051.1	1054.3	1045.1	1031.9	997.1	928.3	835.1	723.1	692.7	576.7
12.5°	1133.9	1135.1	1149.1	1149.9	1139.1	1110.7	1037.9	940.7	809.1	781.9	634.3
15°	1189.9	1191.1	1208.3	1226.7	1239.0	1224.3	1158.3	1049.5	910.3	873.1	694.7
17.5°	1199.1	1199.9	1230.2	1267.4	1305.8	1318.6	1267.8	1157.5	1002.7	960.3	763.9
20°	1205.1	1211.9	1239.0	1281.8	1342.6	1382.2	1354.6	1261.0	1092.3	1043.1	831.9
22.5°	1277.8	1277.8	1293.8	1324.2	1372.6	1434.6	1429.0	1356.2	1179.5	1130.7	899.5
25°	1432.2	1432.2	1416.6	1408.6	1434.6	1483.4	1497.4	1457.8	1279.0	1221.5	970.7
27.5°	1636.6	1636.6	1612.2	1553.4	1531.0	1551.4	1566.2	1546.2	1371.0	1314.2	1045.9
30°	1848.6	1855.8	1813.4	1738.6	1660.2	1644.6	1630.2	1625.8	1469.0	1405.0	1122.3
32.5°	2061.3	2060.5	2007.8	1914.6	1812.2	1757.0	1710.2	1705.0	1573.0	1510.2	1194.7
35°	2231.3	2231.7	2176.1	2080.5	1962.2	1891.8	1816.6	1792.2	1687.0	1617.0	1281.0
37.5°	2378.5	2370.1	2310.1	2219.3	2108.9	2036.2	1942.6	1879.0	1805.0	1733.8	1367.4
40°	2462.9	2451.7	2393.3	2306.9	2223.3	2167.7	2085.3	1983.8	1934.6	1857.8	1465.8
42.5°	2475.3	2465.7	2426.9	2374.9	2306.5	2257.7	2235.7	2102.1	2070.5	2001.0	1583.4
45°	2440.5	2424.9	2412.1	2384.9	2365.7	2342.1	2372.1	2228.1	2226.5	2157.3	1699.8
47.5°	2354.1	2332.9	2336.1	2366.1	2387.7	2408.9	2502.5	2393.3	2383.7	2318.9	1852.6
50°	2206.5	2196.1	2231.3	2290.5	2376.1	2460.9	2632.5	2562.1	2600.1	2539.3	2063.3
52.5°	1906.6	1919.4	2024.6	2166.9	2314.9	2485.3	2754.5	2814.1	2911.2	2861.3	2275.3
55°	1546.6	1541.8	1682.2	1935.0	2171.3	2469.7	2807.7	2962.4	3115.2	3062.8	2393.3
57.5°	1245.8	1254.2	1349.0	1599.0	1927.8	2349.3	2820.1	3040.0	3197.2	3162.4	2502.5
60°	935.1	943.1	1029.5	1247.0	1603.8	2098.1	2717.7	3067.2	3351.2	3324.8	2676.9
62.5°	595.1	605.5	692.3	903.9	1225.9	1707.8	2487.7	3038.8	3512.0	3534.0	2914.8
65°	292.8	302.0	366.0	527.9	819.5	1277.0	2166.9	2930.4	3716.7	3779.5	3105.6
67.5°	162.0	166.4	188.4	268.8	457.1	875.9	1741.4	2698.9	3810.7	3894.7	3118.4
70°	126.0	127.2	135.6	156.8	222.8	513.9	1238.6	2313.3	3616.0	3717.5	2858.9
72.5°	106.0	107.6	111.6	118.8	139.2	267.6	778.3	1787.8	3042.4	3088.4	2211.7
75°	77.6	80.0	91.2	97.6	110.0	162.4	343.2	1074.3	2010.6	1965.4	1237.4
77.5°	65.2	67.2	70.0	79.2	90.8	110.8	120.4	450.3	818.3	711.5	324.8
80°	44.4	46.8	54.4	59.2	76.8	73.2	50.0	120.8	164.4	134.0	62.4
82.5°	31.6	33.6	37.6	48.4	55.6	38.8	27.2	36.8	39.6	37.6	20.4
85°	10.0	12.8	27.2	40.0	30.0	13.2	17.2	14.0	12.4	12.0	8.0
87.5°	2.0	2.0	13.6	16.0	12.0	6.8	6.0	4.4	5.6	5.6	4.4
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: P674564
 CATALOG NUMBER: CCP-SA-2A-740-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3
2.5°	433.5	415.5	389.6	365.2	340.4	322.8	310.4	298.0	293.2	291.2	286.0
5°	452.7	418.3	366.8	325.2	294.8	275.6	264.0	254.0	247.6	245.6	242.8
7.5°	480.3	430.7	356.8	308.8	278.4	257.6	238.8	217.2	200.0	193.2	190.4
10°	510.3	449.5	358.4	305.6	265.2	219.6	177.6	142.8	127.6	122.0	118.0
12.5°	554.3	470.3	365.2	302.0	225.6	156.8	113.6	99.2	95.6	94.8	94.0
15°	598.3	499.5	376.4	278.0	168.4	106.8	94.4	89.2	87.2	85.2	85.2
17.5°	642.7	527.5	380.8	231.2	116.4	92.4	86.0	81.6	78.4	76.8	75.6
20°	692.7	557.1	368.0	174.0	93.2	84.4	77.2	72.0	69.2	67.6	66.4
22.5°	746.7	586.3	340.0	121.2	84.8	76.0	69.2	64.0	61.2	59.6	59.2
25°	797.5	611.5	295.2	91.2	76.4	68.0	61.6	57.2	55.2	53.6	53.2
27.5°	849.9	633.1	236.8	80.4	69.6	61.6	55.2	51.6	49.6	48.4	48.0
30°	901.1	647.9	176.4	73.6	63.6	55.6	50.0	47.2	45.2	44.0	43.6
32.5°	953.9	656.3	119.2	67.6	57.6	50.4	45.6	42.8	41.6	40.4	40.4
35°	1004.7	655.1	86.0	62.0	52.8	45.6	41.2	39.2	38.8	37.6	37.6
37.5°	1060.3	646.7	73.2	56.8	47.6	41.2	37.6	36.4	36.0	35.2	34.8
40°	1123.5	627.9	66.8	52.8	43.2	37.6	34.4	33.6	33.2	32.4	32.4
42.5°	1192.7	603.5	63.2	48.4	39.6	34.0	31.6	30.4	30.0	29.2	29.2
45°	1273.0	580.3	60.8	44.0	36.4	31.2	28.8	27.6	27.2	26.4	26.4
47.5°	1382.6	567.1	56.8	40.0	32.8	28.4	26.0	25.2	24.4	23.6	23.6
50°	1533.4	551.5	51.6	36.0	30.0	25.6	24.0	22.8	22.4	21.6	21.6
52.5°	1657.4	518.3	46.4	32.0	26.8	23.6	22.0	21.2	20.4	20.0	20.0
55°	1701.0	479.5	41.2	28.8	24.4	22.0	20.4	19.6	19.2	18.8	18.8
57.5°	1770.6	467.1	36.4	25.6	22.0	20.4	18.8	18.4	18.0	17.6	17.2
60°	1889.4	474.3	32.0	22.8	20.0	18.4	17.2	16.8	16.0	15.2	15.2
62.5°	2004.6	465.5	27.2	20.0	17.2	16.4	15.2	14.4	12.8	11.6	10.8
65°	2032.6	406.8	23.6	16.8	14.4	13.6	12.4	10.8	8.4	6.8	6.8
67.5°	1897.0	309.2	20.4	14.4	12.0	11.2	8.8	7.2	5.2	4.0	4.0
70°	1565.4	196.0	16.8	11.2	10.0	7.6	5.6	5.2	3.6	3.2	2.8
72.5°	1129.5	107.2	14.0	9.2	7.2	4.8	4.0	3.2	2.4	1.6	1.6
75°	571.9	50.4	10.4	7.2	4.8	3.2	2.4	1.6	1.6	1.2	1.2
77.5°	162.0	23.2	6.8	4.8	3.2	2.0	1.6	1.2	1.2	0.8	0.8
80°	32.0	11.6	4.4	3.2	2.4	1.6	1.2	0.8	0.8	0.4	0.4
82.5°	11.6	6.0	3.2	2.4	2.0	1.6	0.8	0.4	0.4	0.0	0.0
85°	6.0	3.2	2.4	2.0	1.6	1.2	0.8	0.4	0.0	0.0	0.0
87.5°	3.2	2.4	2.0	2.0	1.6	1.2	0.8	0.4	0.0	0.0	0.0
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)