

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: P672323

Luminaire Tested: **CCP-SA-1D-840-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672323
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-840-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4832.7 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

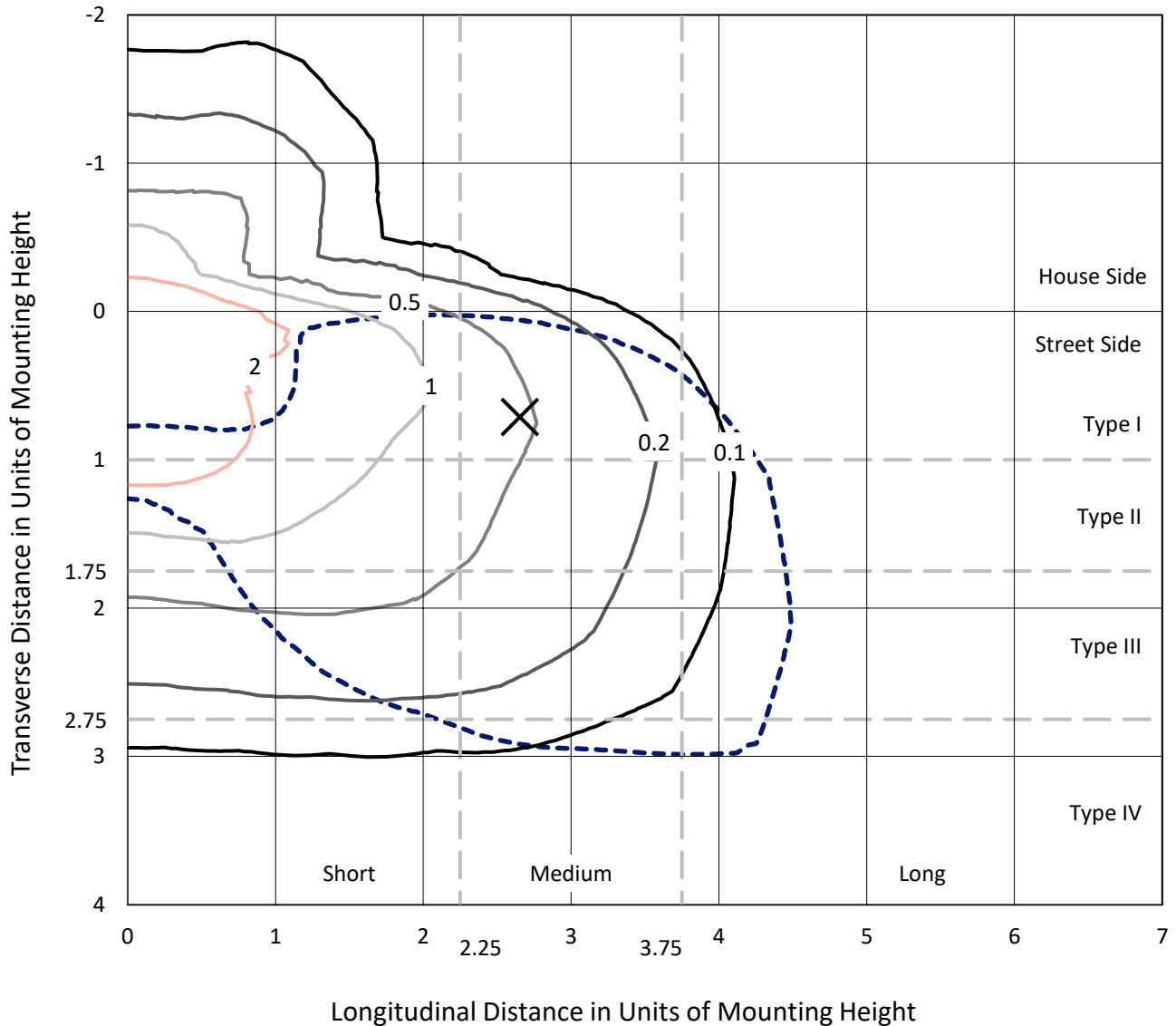
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P672323
 CATALOG NUMBER: CCP-SA-1D-840-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

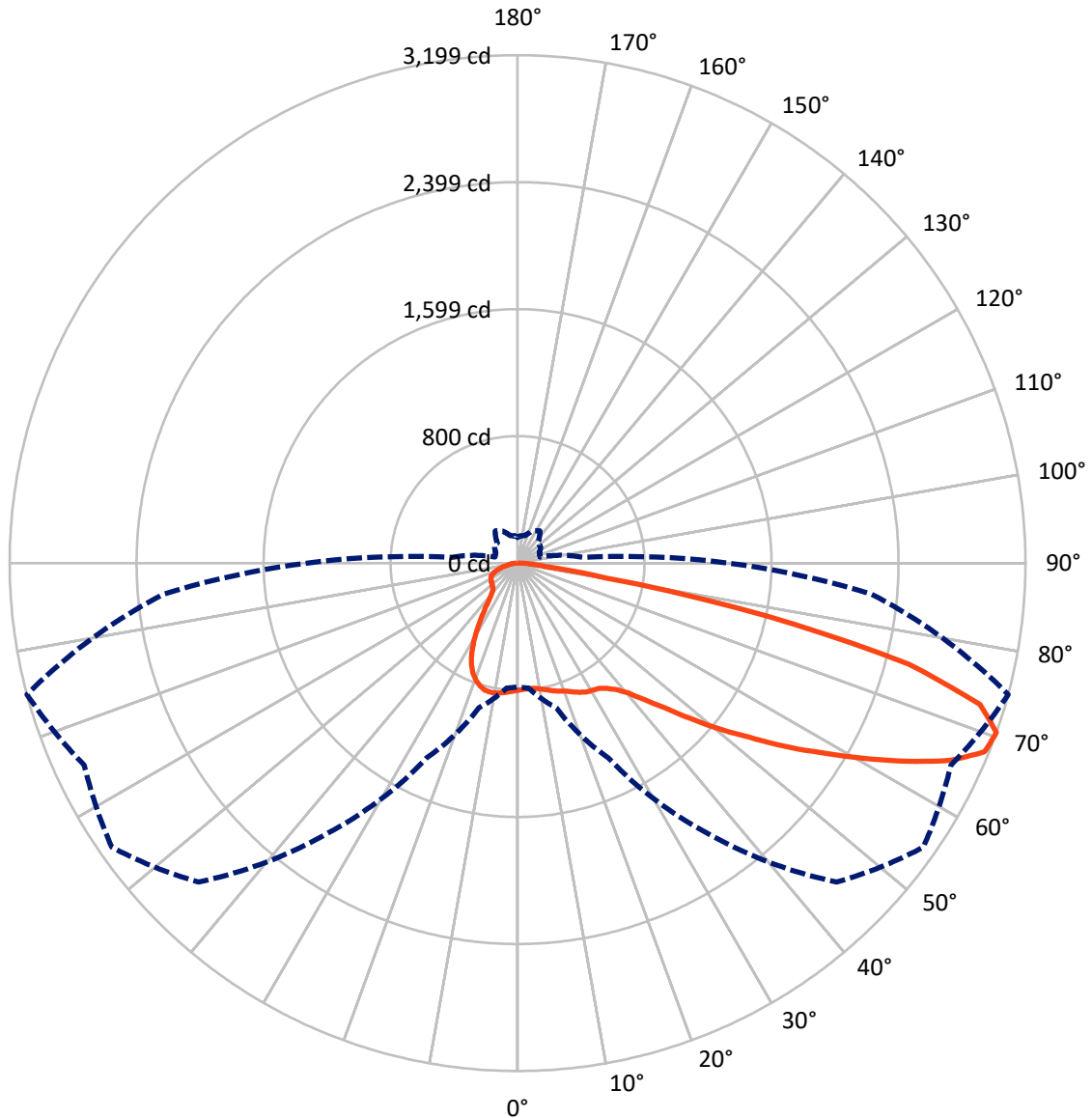
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P672323
CATALOG NUMBER: CCP-SA-1D-840-U-T3R

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P672323

CATALOG NUMBER: CCP-SA-1D-840-U-T3R

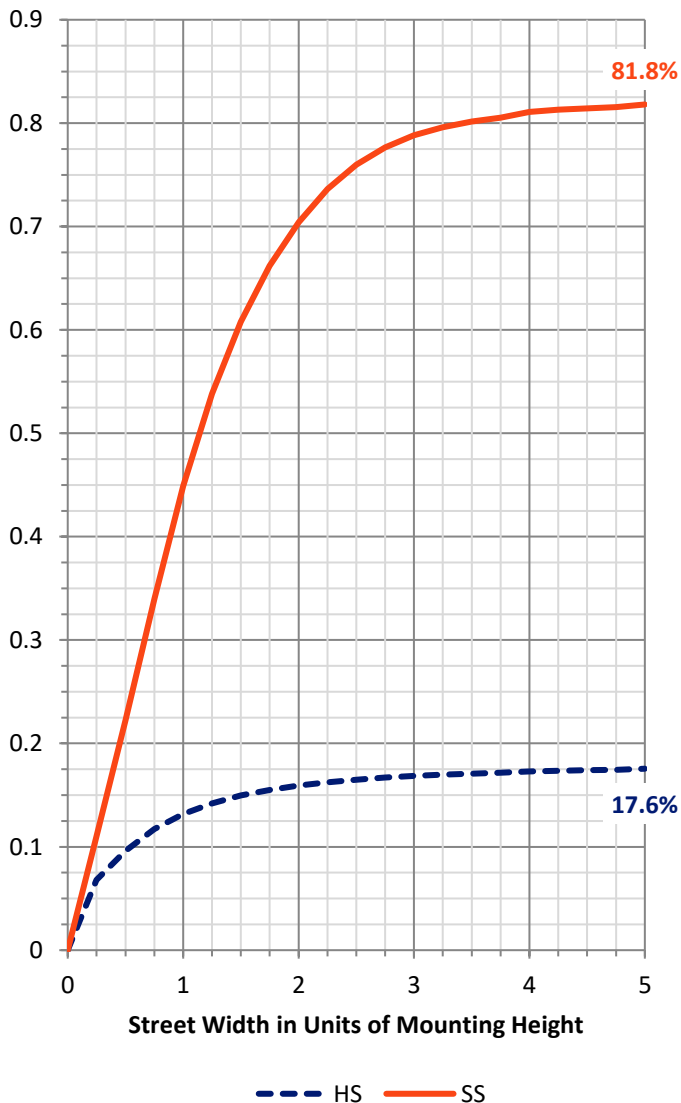
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	859.8	0.0	859.8
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	3972.9	0.0	3972.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	4832.7	0.0	4832.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	1.5
10°-20°	191.9	4.0
20°-30°	323.3	6.7
30°-40°	491.1	10.2
40°-50°	703.6	14.6
50°-60°	932.8	19.3
60°-70°	1167.3	24.2
70°-80°	852.4	17.6
80°-90°	98.3	2.0
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°	4832.7	100.0
0°-180°	4832.7	100.0



REPORT NUMBER: P672323

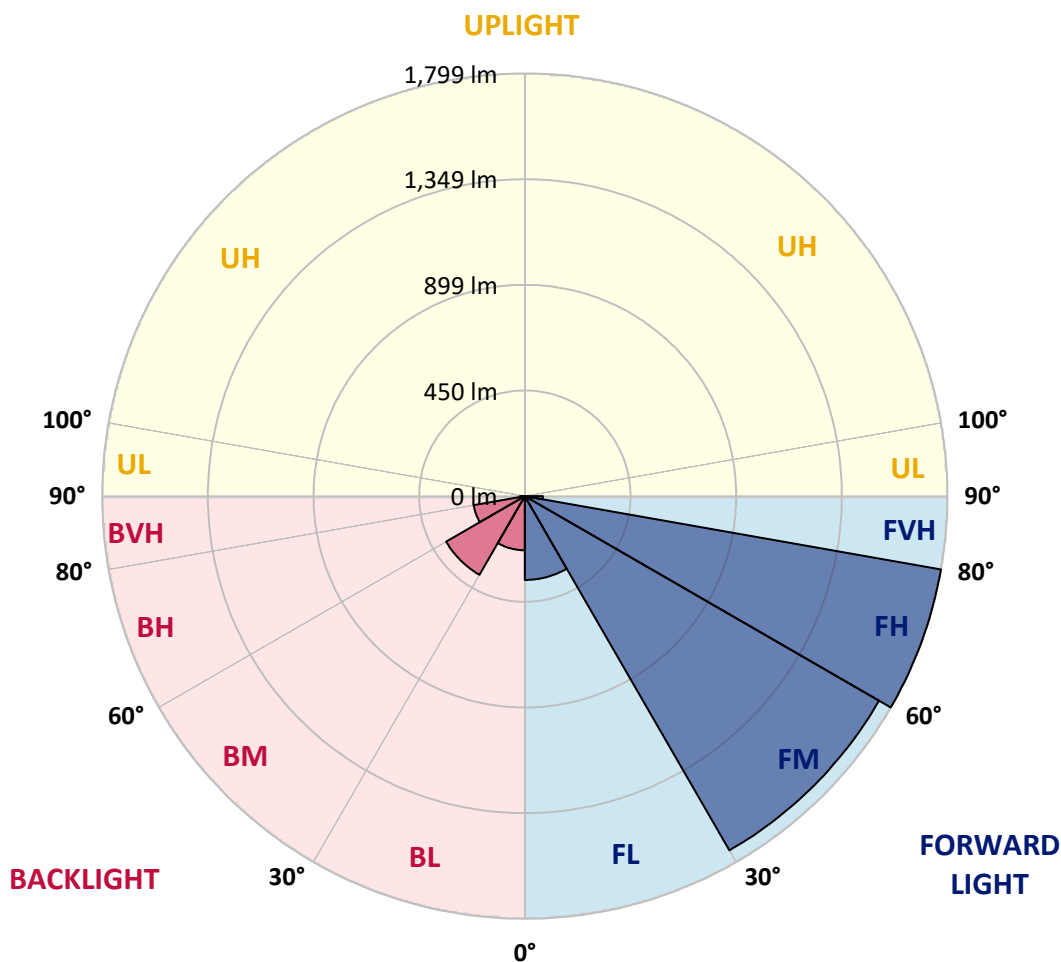
CATALOG NUMBER: CCP-SA-1D-840-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.7	7.4			
FM (30°-60°)	1740.9	36.0			
FH (60°-80°)	1798.6	37.2			G1/1800
FVH (80°-90°)	76.7	1.6			G1/100
BL (0°-30°)	230.5	4.8	B1/500		
BM (30°-60°)	386.6	8.0	B1/1000		
BH (60°-80°)	221.2	4.6	B1/500		G1/500
BVH (80°-90°)	21.6	0.4			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 IV Medium





REPORT NUMBER: P672323

CATALOG NUMBER: CCP-SA-1D-840-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	800.5	800.5	800.5	800.5	800.5	800.5	800.5	800.5	800.5	800.5	800.5
2.5°	756.7	760.9	764.7	768.5	771.7	780.0	781.7	790.8	793.2	795.3	798.1
5°	714.3	717.4	721.2	727.5	734.1	749.0	759.5	779.3	790.4	793.9	803.6
7.5°	691.3	692.4	697.6	702.8	710.4	725.1	739.3	770.3	792.5	796.3	817.2
10°	674.6	676.0	680.9	688.2	695.8	709.4	727.1	764.0	800.2	806.1	835.6
12.5°	668.7	668.0	673.6	678.5	689.2	706.3	724.7	764.4	810.6	818.9	862.4
15°	692.4	687.8	691.3	689.6	693.1	709.8	731.7	772.0	823.5	833.9	890.2
17.5°	744.5	740.7	738.3	723.3	713.6	723.0	743.8	782.8	837.0	848.2	915.3
20°	822.4	811.6	802.6	777.6	750.4	747.3	761.9	793.6	849.9	860.7	941.7
22.5°	911.1	902.4	887.8	844.0	801.9	781.0	784.9	813.4	868.7	880.5	972.0
25°	1023.1	1022.7	992.8	933.7	870.1	828.0	820.0	845.0	889.9	901.4	997.0
27.5°	1150.7	1142.0	1106.5	1030.4	950.4	886.1	867.3	877.4	906.9	918.8	1017.2
30°	1259.9	1260.9	1224.8	1141.7	1035.9	942.7	907.3	900.7	918.1	929.9	1035.9
32.5°	1376.7	1370.8	1337.8	1252.2	1128.4	1003.6	933.0	917.4	929.5	940.7	1062.0
35°	1486.6	1480.0	1451.5	1359.3	1230.3	1070.7	967.8	943.4	956.7	968.8	1094.0
37.5°	1591.3	1592.3	1560.0	1472.0	1329.1	1150.0	1019.2	982.7	997.0	1010.6	1142.7
40°	1682.8	1677.5	1652.5	1573.2	1431.7	1230.7	1077.3	1036.3	1064.1	1076.6	1204.3
42.5°	1712.0	1711.6	1721.4	1672.7	1539.5	1326.7	1149.7	1119.7	1159.0	1177.8	1279.7
45°	1686.6	1694.2	1750.6	1749.2	1647.3	1436.9	1248.4	1221.3	1278.0	1299.2	1371.9
47.5°	1661.5	1673.0	1749.5	1793.0	1744.0	1558.3	1369.8	1349.6	1431.0	1461.6	1467.5
50°	1625.0	1635.8	1726.9	1799.2	1803.1	1681.0	1527.0	1501.6	1606.2	1637.5	1571.5
52.5°	1584.3	1592.7	1686.9	1794.7	1831.2	1777.0	1681.0	1673.7	1794.0	1819.4	1677.2
55°	1359.7	1395.2	1628.2	1785.0	1850.7	1850.4	1830.9	1854.9	1998.9	2036.8	1795.1
57.5°	1230.7	1249.5	1462.6	1779.4	1887.2	1918.2	1985.6	2037.1	2217.6	2251.7	1925.1
60°	1188.6	1205.3	1379.5	1772.8	1959.9	2024.2	2136.9	2220.4	2452.7	2494.4	2070.5
62.5°	1150.4	1170.5	1345.8	1720.3	2047.9	2192.2	2317.4	2418.6	2700.6	2750.0	2215.2
65°	1072.5	1086.7	1283.9	1676.1	2131.3	2431.8	2577.9	2637.0	2940.9	2996.5	2311.1
67.5°	937.9	951.4	1144.4	1574.6	2185.6	2681.1	2862.7	2863.0	3126.6	3172.2	2331.3
70°	779.7	790.1	943.4	1353.4	2072.6	2841.1	3119.6	3010.8	3179.1	3198.9	2235.3
72.5°	557.4	566.5	691.0	1000.5	1699.4	2711.4	3178.1	3004.5	3051.8	3045.6	1962.3
75°	343.6	361.0	423.2	610.6	1056.1	2133.4	2860.2	2722.5	2562.6	2545.2	1477.6
77.5°	223.9	233.0	286.2	360.3	466.0	1224.8	2172.4	2041.3	1618.1	1597.9	794.3
80°	134.6	149.5	187.4	226.4	211.1	468.4	1240.4	1014.0	571.7	565.4	244.1
82.5°	72.3	85.9	132.1	140.1	118.6	165.5	449.3	329.7	182.9	180.8	91.5
85°	57.4	64.0	94.9	88.7	67.1	83.8	175.3	137.4	93.9	91.8	34.4
87.5°	34.8	43.8	72.0	59.8	33.4	30.3	80.3	65.0	44.2	41.0	13.6
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: P672323
 CATALOG NUMBER: CCP-SA-1D-840-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	800.5	800.5	800.5	800.5	800.5	800.5	800.5	800.5	800.5	800.5	800.5
2.5°	803.3	805.0	806.8	803.3	804.7	803.0	803.0	803.0	798.4	797.0	801.2
5°	810.9	813.4	814.8	804.0	797.4	787.6	779.7	767.5	760.5	756.0	756.0
7.5°	826.6	829.4	823.1	799.1	775.8	749.7	723.0	700.7	684.7	677.8	679.8
10°	849.5	850.6	829.7	785.6	735.8	687.5	649.6	620.0	600.2	590.1	588.7
12.5°	876.3	871.8	831.1	755.7	681.9	616.9	570.7	532.4	507.0	497.3	492.4
15°	902.8	892.0	825.9	719.8	620.7	542.5	483.4	447.2	431.6	427.0	425.3
17.5°	926.4	906.2	808.5	668.4	549.8	455.6	412.1	399.2	401.0	405.1	406.9
20°	948.0	917.0	783.5	607.2	461.1	387.7	377.0	388.8	398.5	404.8	405.8
22.5°	971.6	927.4	748.7	532.8	388.4	356.4	369.3	382.9	392.6	398.9	399.9
25°	989.7	927.1	699.7	444.4	342.5	348.1	363.4	375.6	382.9	387.4	387.0
27.5°	1001.2	918.8	635.3	371.7	324.4	342.2	356.8	364.8	369.0	372.4	372.1
30°	1004.6	902.8	554.3	318.2	316.1	336.6	347.7	352.6	355.7	359.2	359.2
32.5°	1011.6	878.1	464.9	288.3	309.8	331.1	337.7	341.5	339.1	330.4	328.6
35°	1019.2	850.6	380.4	274.4	303.9	327.2	333.5	323.4	297.0	293.5	292.1
37.5°	1034.2	825.2	308.8	264.6	302.5	329.3	334.5	294.2	271.9	261.2	259.4
40°	1059.6	799.8	260.8	257.7	304.3	338.4	320.6	280.3	243.4	222.9	219.4
42.5°	1093.0	768.9	233.7	254.2	309.1	353.0	315.8	260.5	220.1	206.2	204.1
45°	1131.6	727.8	220.8	253.5	315.1	360.3	317.1	244.5	209.7	198.9	198.2
47.5°	1171.6	687.5	215.3	252.8	322.4	357.1	298.0	239.6	205.5	202.4	204.5
50°	1214.7	641.6	210.7	251.1	328.3	357.1	287.6	238.6	206.9	213.9	220.8
52.5°	1255.0	603.0	205.5	245.9	330.7	350.9	284.5	242.4	209.0	207.3	209.3
55°	1304.1	583.2	202.7	238.6	326.2	331.8	280.6	252.8	210.7	196.5	196.5
57.5°	1360.0	579.0	198.6	228.8	311.6	305.3	280.3	259.1	206.2	193.0	190.6
60°	1427.5	588.0	193.3	216.6	293.8	284.8	277.9	259.1	198.9	187.1	188.1
62.5°	1482.1	587.0	190.2	205.9	270.2	263.6	273.3	255.6	196.1	186.4	186.0
65°	1495.0	564.7	181.2	192.0	241.0	237.9	268.5	246.9	192.3	182.6	179.8
67.5°	1451.5	514.3	167.6	173.5	210.0	210.4	259.8	235.4	187.1	180.5	176.0
70°	1328.1	415.9	147.4	151.3	176.7	181.2	246.9	221.9	178.4	171.4	160.7
72.5°	1111.4	299.1	124.1	125.2	140.5	152.3	224.6	203.4	165.5	149.2	137.7
75°	822.8	198.6	101.2	99.8	105.4	123.8	192.0	182.9	148.8	123.8	117.9
77.5°	435.0	117.5	77.9	78.2	74.8	94.9	152.3	158.9	132.1	104.3	98.4
80°	148.8	70.6	56.0	58.4	52.9	67.8	113.0	132.1	113.0	86.9	76.9
82.5°	68.2	43.1	40.0	41.7	37.9	45.9	77.5	100.2	90.1	63.3	51.1
85°	34.4	25.7	25.7	28.2	25.0	23.6	42.8	66.4	66.1	43.5	37.6
87.5°	14.3	12.5	11.8	13.6	11.8	9.0	12.2	24.0	34.8	26.1	16.7
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)