

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: P674597

Luminaire Tested: **CCP-SA-2A-827-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674597
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-827-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3256.8 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

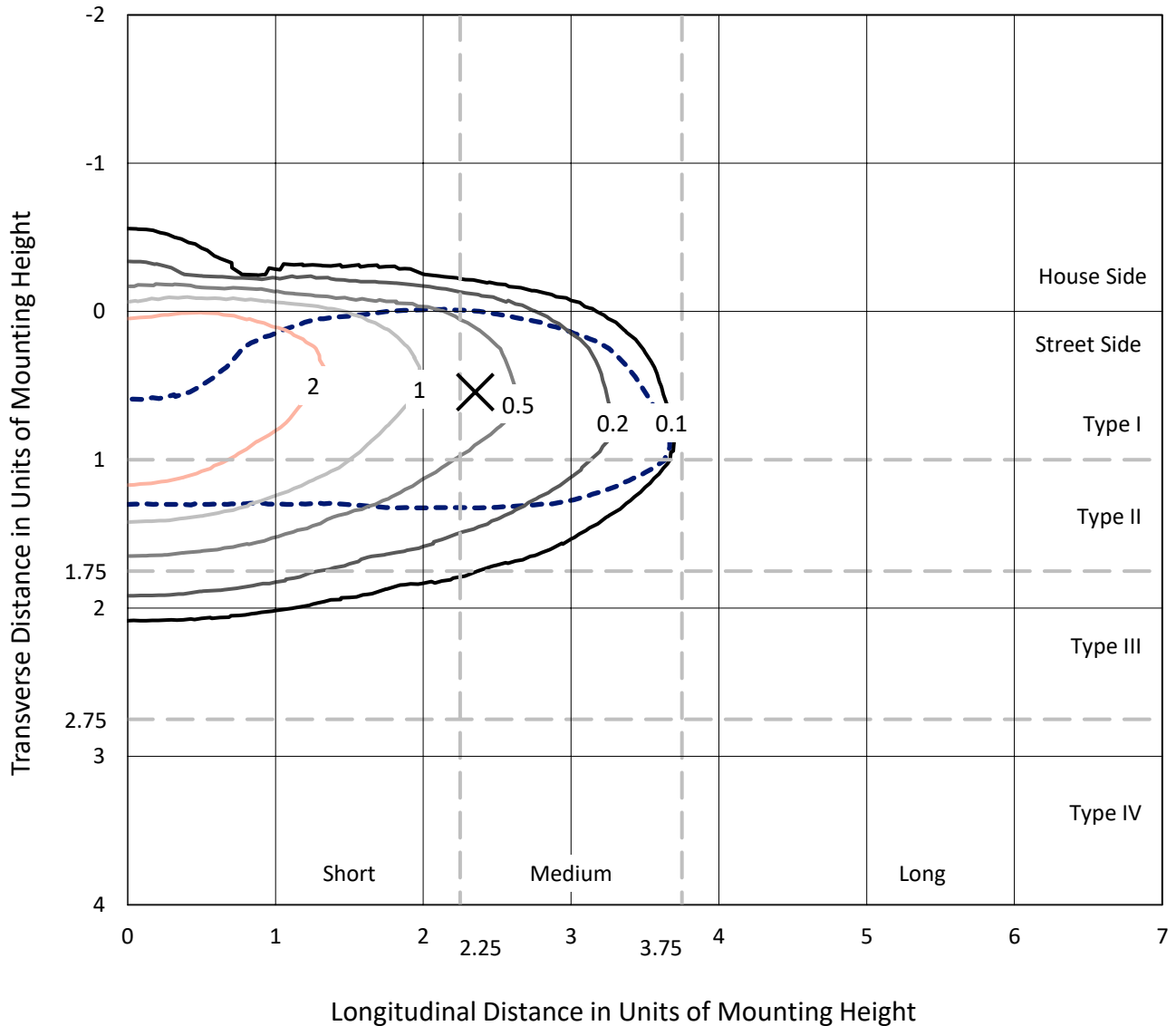
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

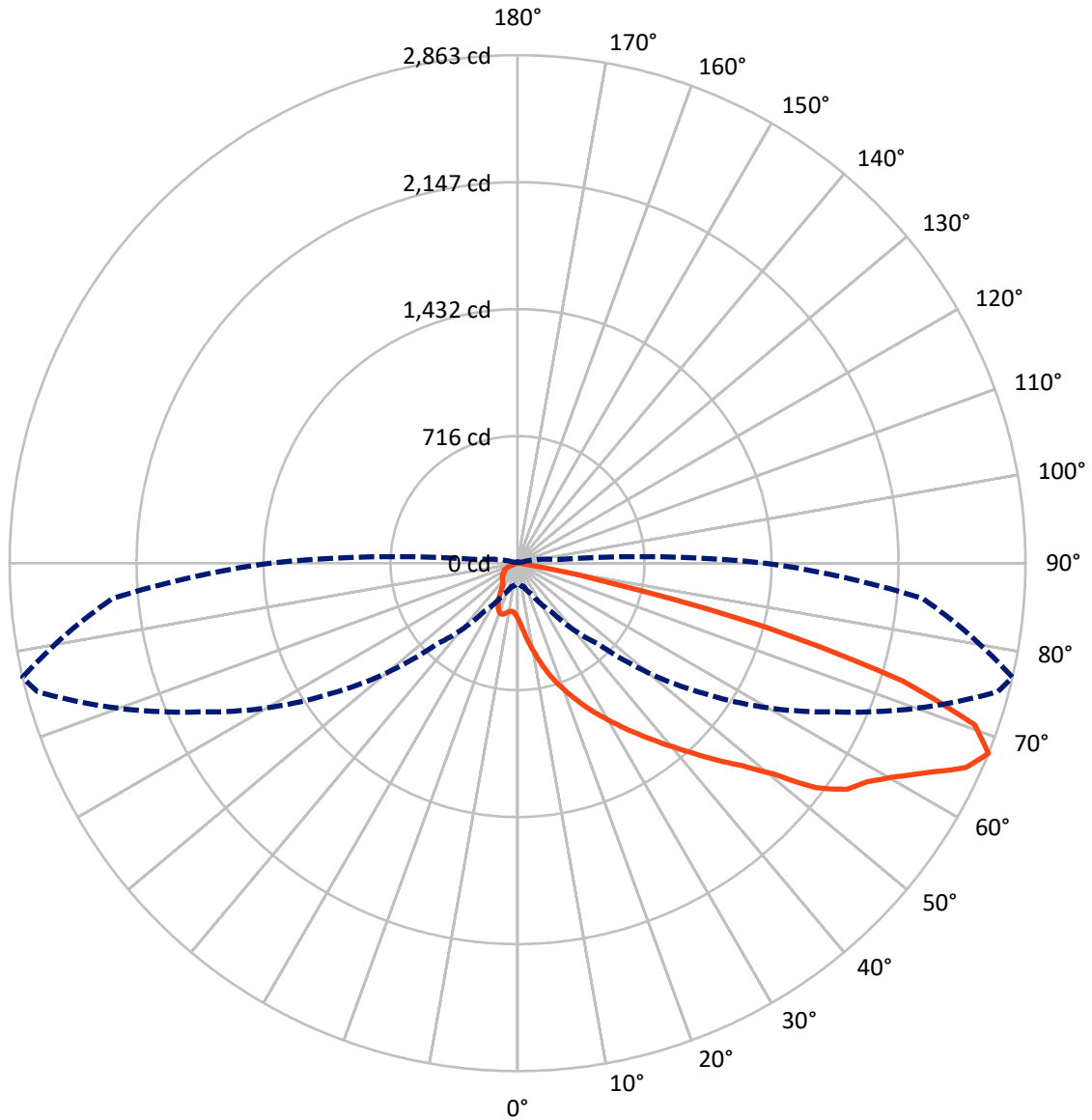
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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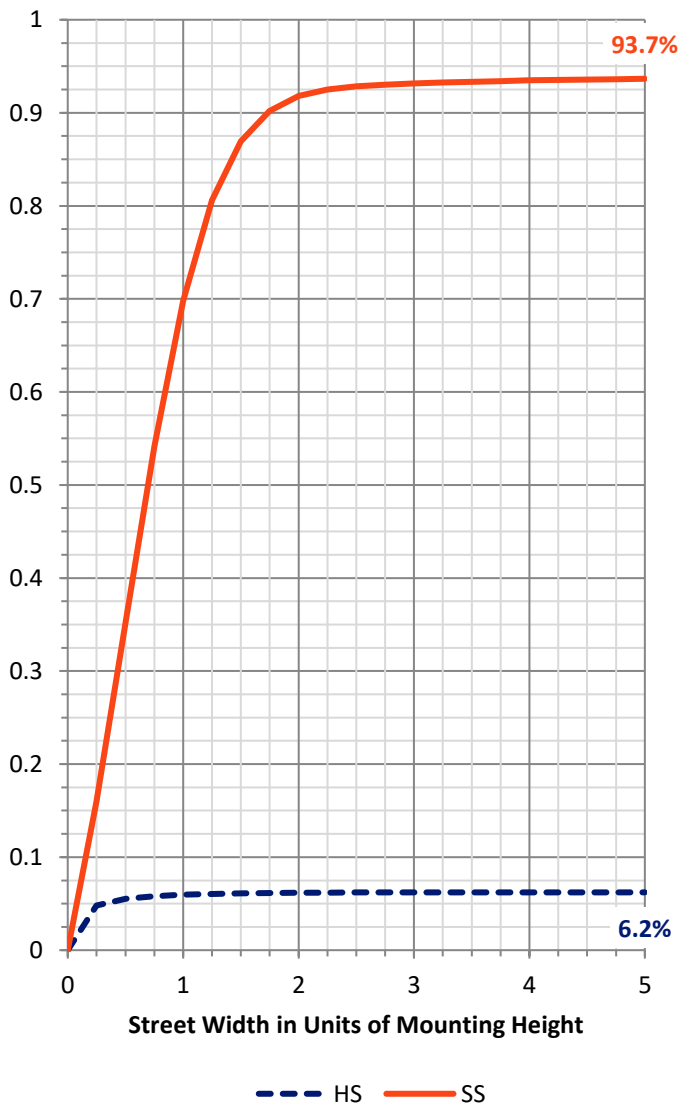
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	203.5	0.0	203.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3053.3	0.0	3053.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	3256.8	0.0	3256.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.7	1.1
10°-20°	135.6	4.2
20°-30°	264.9	8.1
30°-40°	463.1	14.2
40°-50°	675.3	20.7
50°-60°	789.7	24.2
60°-70°	640.2	19.7
70°-80°	240.5	7.4
80°-90°	10.9	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°	3256.8	100.0
0°-180°	3256.8	100.0



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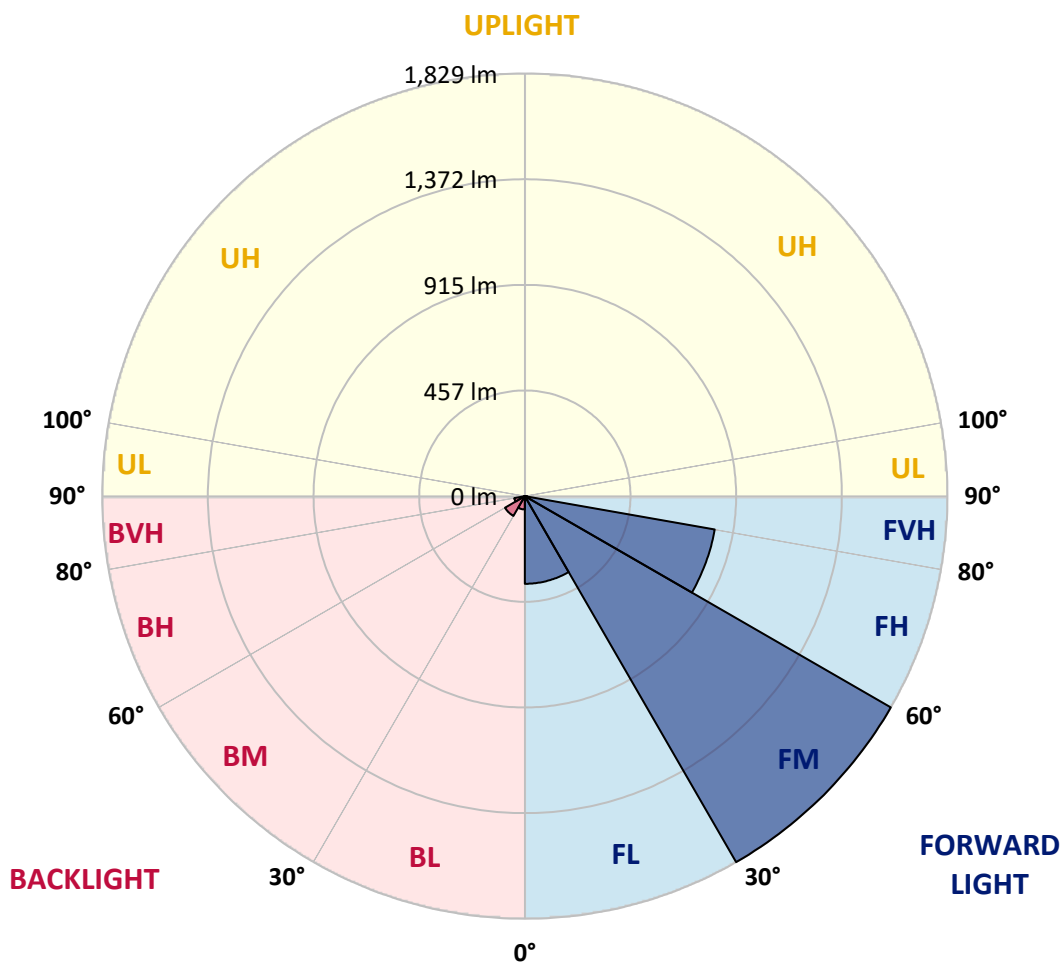
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.4	11.6			
FM (30°-60°)	1829.1	56.2			
FH (60°-80°)	834.5	25.6			G1/1800
FVH (80°-90°)	10.3	0.3			G1/100
BL (0°-30°)	57.7	1.8	B0/110		
BM (30°-60°)	99.0	3.0	B0/220		
BH (60°-80°)	46.2	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9
2.5°	468.3	451.3	454.5	447.5	438.4	417.2	394.8	372.5	352.5	348.1	328.1
5°	599.8	594.5	588.9	584.2	565.1	538.6	498.3	447.2	401.0	393.1	351.6
7.5°	701.8	693.8	698.8	684.4	664.4	638.9	587.7	533.0	461.9	450.1	385.7
10°	777.1	772.6	775.0	768.2	758.5	733.0	682.4	613.9	531.6	509.2	424.0
12.5°	833.5	834.4	844.7	845.3	837.3	816.4	762.9	691.5	594.8	574.8	466.3
15°	874.7	875.5	888.2	901.7	910.8	899.9	851.4	771.5	669.2	641.8	510.7
17.5°	881.4	882.0	904.4	931.7	959.9	969.3	932.0	850.8	737.1	705.9	561.5
20°	885.8	890.8	910.8	942.3	987.0	1016.1	995.8	927.0	802.9	766.8	611.5
22.5°	939.3	939.3	951.1	973.4	1009.0	1054.6	1050.5	997.0	867.0	831.1	661.2
25°	1052.8	1052.8	1041.4	1035.5	1054.6	1090.5	1100.8	1071.6	940.2	897.9	713.5
27.5°	1203.1	1203.1	1185.1	1141.9	1125.4	1140.4	1151.3	1136.6	1007.8	966.1	768.8
30°	1358.9	1364.2	1333.0	1278.0	1220.4	1208.9	1198.4	1195.1	1079.9	1032.8	825.0
32.5°	1515.3	1514.7	1475.9	1407.4	1332.1	1291.6	1257.2	1253.3	1156.3	1110.2	878.2
35°	1640.2	1640.5	1599.7	1529.4	1442.4	1390.6	1335.4	1317.4	1240.1	1188.7	941.7
37.5°	1748.4	1742.3	1698.2	1631.4	1550.3	1496.8	1428.0	1381.2	1326.8	1274.5	1005.2
40°	1810.5	1802.2	1759.3	1695.8	1634.4	1593.5	1532.9	1458.3	1422.1	1365.6	1077.5
42.5°	1819.6	1812.5	1784.0	1745.8	1695.5	1659.7	1643.5	1545.3	1522.1	1470.9	1164.0
45°	1794.0	1782.5	1773.1	1753.1	1739.0	1721.7	1743.7	1637.9	1636.7	1585.9	1249.5
47.5°	1730.5	1714.9	1717.3	1739.3	1755.2	1770.8	1839.6	1759.3	1752.3	1704.6	1361.8
50°	1622.0	1614.4	1640.2	1683.8	1746.7	1809.0	1935.1	1883.4	1911.3	1866.6	1516.8
52.5°	1401.5	1410.9	1488.2	1592.9	1701.7	1826.9	2024.8	2068.6	2140.1	2103.3	1672.6
55°	1136.9	1133.4	1236.6	1422.4	1596.1	1815.5	2063.9	2177.7	2290.0	2251.5	1759.3
57.5°	915.8	922.0	991.7	1175.4	1417.1	1727.0	2073.0	2234.7	2350.3	2324.7	1839.6
60°	687.4	693.3	756.8	916.7	1179.0	1542.3	1997.8	2254.7	2463.5	2444.1	1967.8
62.5°	437.5	445.1	508.9	664.4	901.1	1255.4	1828.7	2233.8	2581.6	2597.8	2142.7
65°	215.2	222.0	269.0	388.1	602.4	938.8	1592.9	2154.2	2732.2	2778.3	2282.9
67.5°	119.1	122.3	138.5	197.6	336.0	643.9	1280.1	1983.9	2801.3	2863.0	2292.3
70°	92.6	93.5	99.7	115.2	163.8	377.8	910.5	1700.5	2658.1	2732.8	2101.5
72.5°	77.9	79.1	82.0	87.3	102.3	196.7	572.1	1314.2	2236.5	2270.3	1625.8
75°	57.0	58.8	67.0	71.7	80.9	119.4	252.3	789.7	1478.0	1444.7	909.6
77.5°	47.9	49.4	51.5	58.2	66.7	81.4	88.5	331.0	601.5	523.0	238.7
80°	32.6	34.4	40.0	43.5	56.4	53.8	36.8	88.8	120.8	98.5	45.9
82.5°	23.2	24.7	27.6	35.6	40.9	28.5	20.0	27.0	29.1	27.6	15.0
85°	7.4	9.4	20.0	29.4	22.1	9.7	12.6	10.3	9.1	8.8	5.9
87.5°	1.5	1.5	10.0	11.8	8.8	5.0	4.4	3.2	4.1	4.1	3.2
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°	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9	311.9
2.5°	318.7	305.5	286.4	268.4	250.2	237.3	228.1	219.0	215.5	214.0	210.2
5°	332.8	307.5	269.6	239.0	216.7	202.6	194.0	186.7	182.0	180.5	178.5
7.5°	353.1	316.6	262.3	227.0	204.6	189.3	175.5	159.6	147.0	142.0	139.9
10°	375.1	330.5	263.4	224.6	194.9	161.4	130.5	105.0	93.8	89.7	86.7
12.5°	407.5	345.7	268.4	222.0	165.8	115.2	83.5	72.9	70.3	69.7	69.1
15°	439.8	367.2	276.7	204.3	123.8	78.5	69.4	65.6	64.1	62.6	62.6
17.5°	472.5	387.8	279.9	169.9	85.6	67.9	63.2	60.0	57.6	56.4	55.6
20°	509.2	409.5	270.5	127.9	68.5	62.0	56.7	52.9	50.9	49.7	48.8
22.5°	548.9	431.0	249.9	89.1	62.3	55.9	50.9	47.0	45.0	43.8	43.5
25°	586.2	449.5	217.0	67.0	56.2	50.0	45.3	42.0	40.6	39.4	39.1
27.5°	624.8	465.4	174.1	59.1	51.2	45.3	40.6	37.9	36.5	35.6	35.3
30°	662.4	476.3	129.7	54.1	46.7	40.9	36.8	34.7	33.2	32.3	32.0
32.5°	701.2	482.5	87.6	49.7	42.3	37.0	33.5	31.5	30.6	29.7	29.7
35°	738.5	481.6	63.2	45.6	38.8	33.5	30.3	28.8	28.5	27.6	27.6
37.5°	779.4	475.4	53.8	41.7	35.0	30.3	27.6	26.8	26.5	25.9	25.6
40°	825.9	461.6	49.1	38.8	31.8	27.6	25.3	24.7	24.4	23.8	23.8
42.5°	876.7	443.7	46.5	35.6	29.1	25.0	23.2	22.3	22.1	21.5	21.5
45°	935.8	426.6	44.7	32.3	26.8	22.9	21.2	20.3	20.0	19.4	19.4
47.5°	1016.4	416.9	41.7	29.4	24.1	20.9	19.1	18.5	17.9	17.3	17.3
50°	1127.2	405.4	37.9	26.5	22.1	18.8	17.6	16.8	16.5	15.9	15.9
52.5°	1218.4	381.0	34.1	23.5	19.7	17.3	16.2	15.6	15.0	14.7	14.7
55°	1250.4	352.5	30.3	21.2	17.9	16.2	15.0	14.4	14.1	13.8	13.8
57.5°	1301.6	343.4	26.8	18.8	16.2	15.0	13.8	13.5	13.2	12.9	12.6
60°	1388.9	348.7	23.5	16.8	14.7	13.5	12.6	12.3	11.8	11.2	11.2
62.5°	1473.5	342.2	20.0	14.7	12.6	12.1	11.2	10.6	9.4	8.5	7.9
65°	1494.1	299.0	17.3	12.3	10.6	10.0	9.1	7.9	6.2	5.0	5.0
67.5°	1394.5	227.3	15.0	10.6	8.8	8.2	6.5	5.3	3.8	2.9	2.9
70°	1150.7	144.1	12.3	8.2	7.4	5.6	4.1	3.8	2.6	2.4	2.1
72.5°	830.3	78.8	10.3	6.8	5.3	3.5	2.9	2.4	1.8	1.2	1.2
75°	420.4	37.0	7.6	5.3	3.5	2.4	1.8	1.2	1.2	0.9	0.9
77.5°	119.1	17.1	5.0	3.5	2.4	1.5	1.2	0.9	0.9	0.6	0.6
80°	23.5	8.5	3.2	2.4	1.8	1.2	0.9	0.6	0.6	0.3	0.3
82.5°	8.5	4.4	2.4	1.8	1.5	1.2	0.6	0.3	0.3	0.0	0.0
85°	4.4	2.4	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.0	0.0
87.5°	2.4	1.8	1.5	1.5	1.2	0.9	0.6	0.3	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)