

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: P672072

Luminaire Tested: **CCP-SA-2A-722-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672072
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-722-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

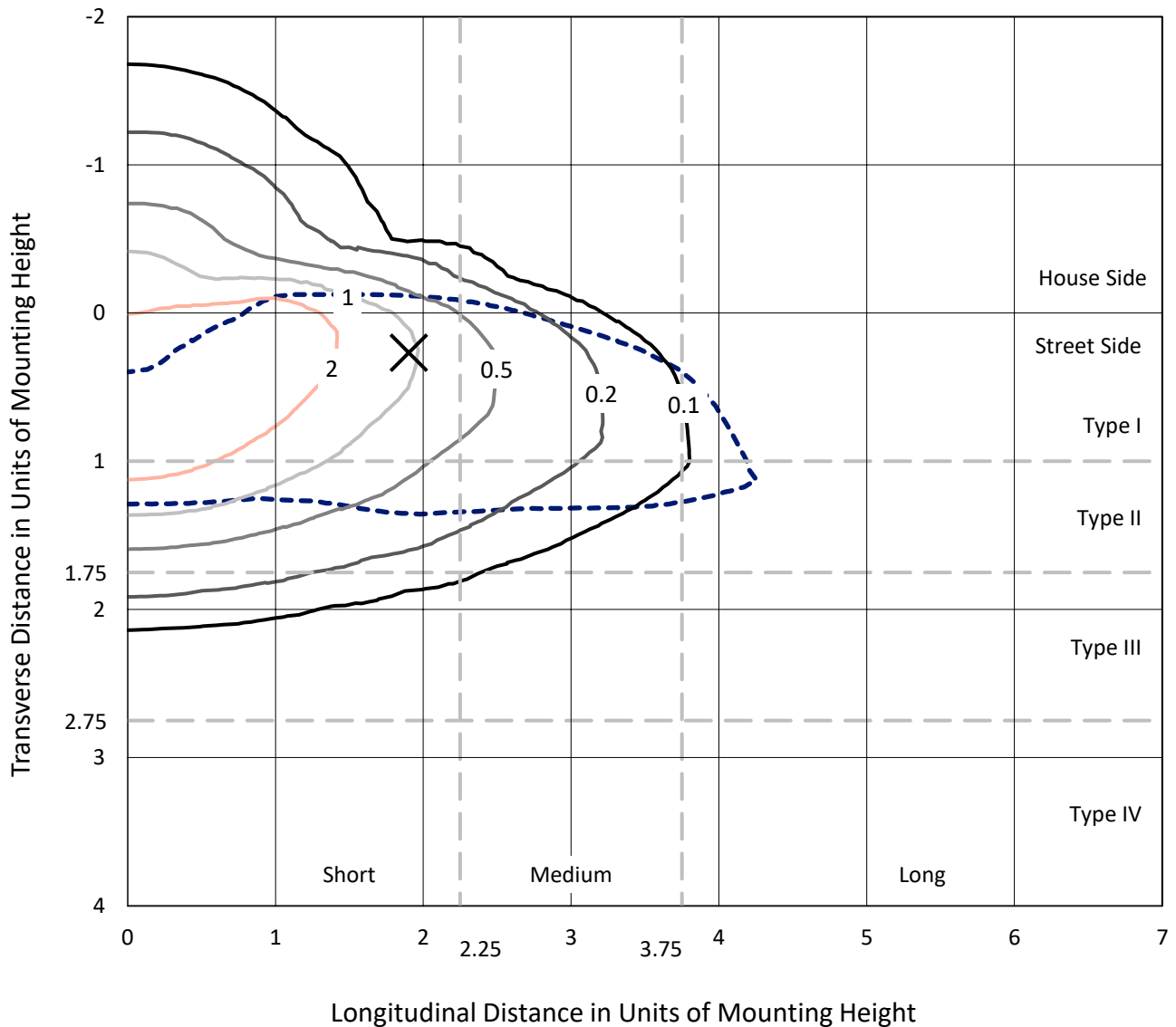
Lumens per Lamp: N/A
Luminaire Lumens: 4093.9 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

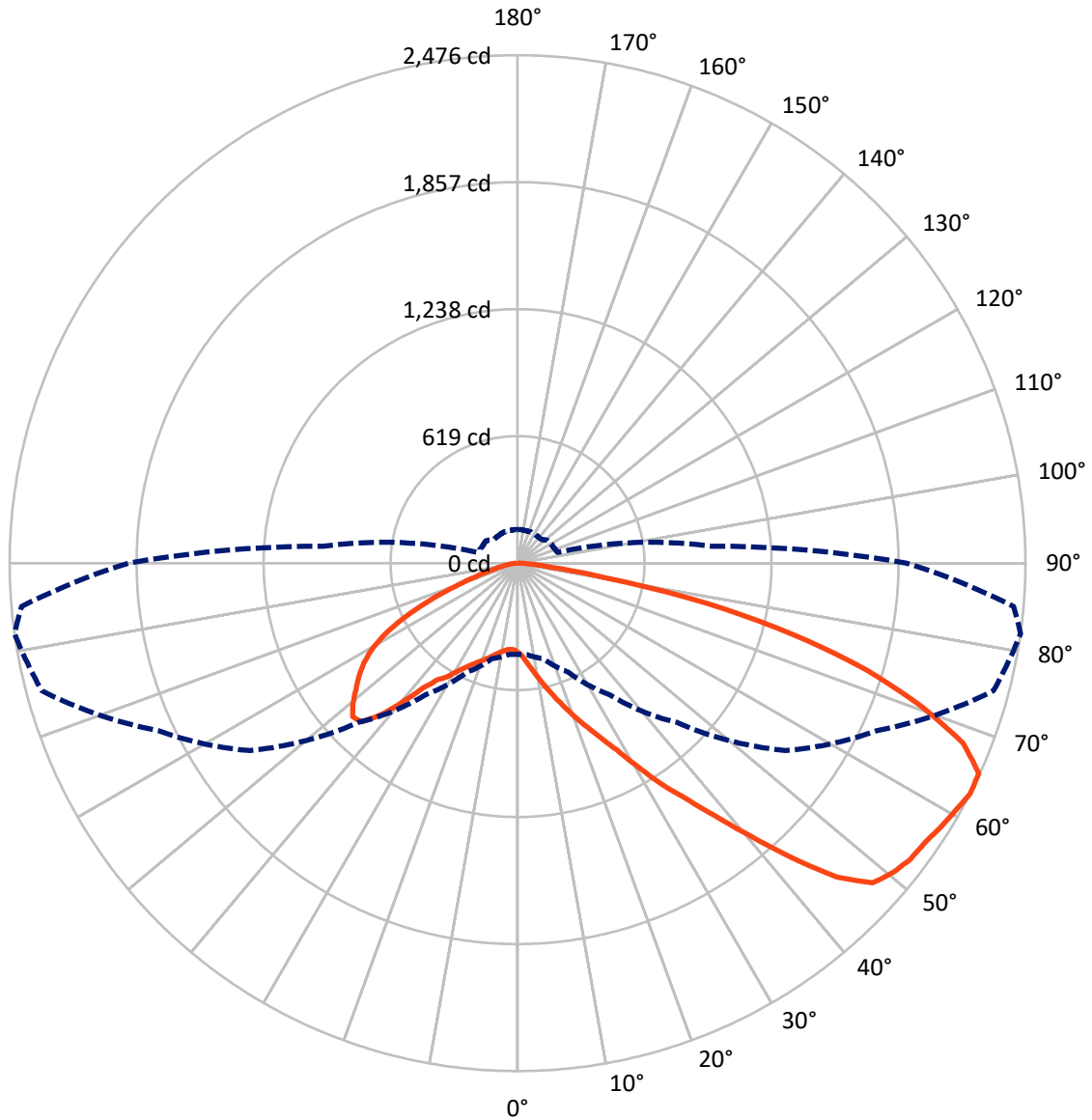
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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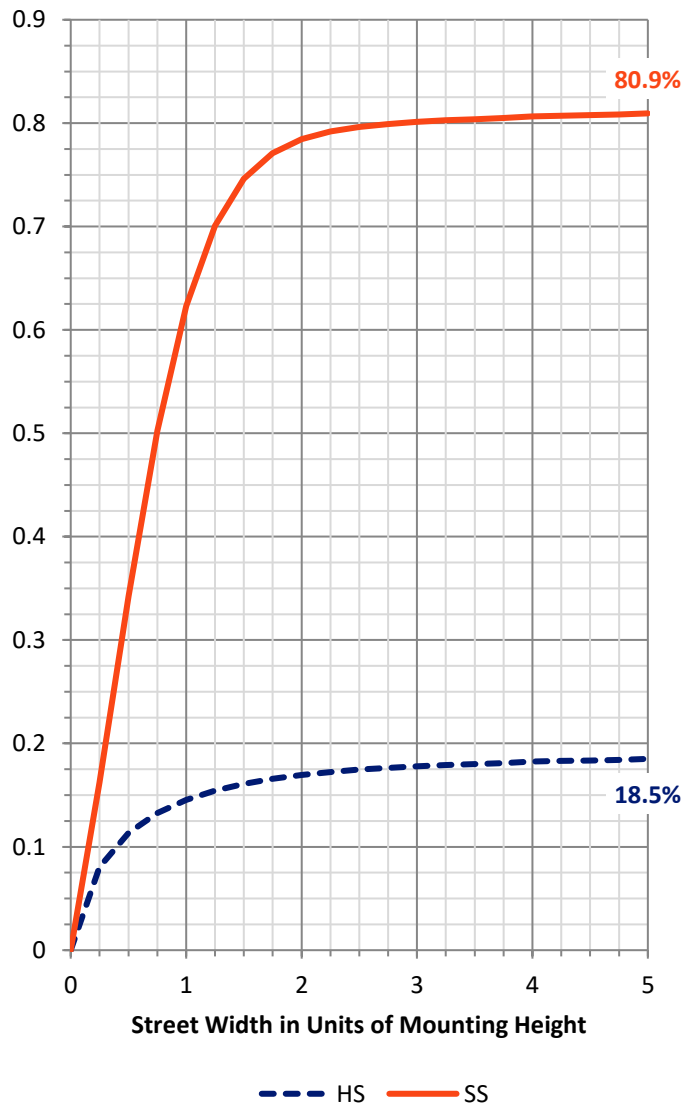
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	771.3	0.0	771.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3322.7	0.0	3322.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	4093.9	0.0	4093.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	1.2
10°-20°	181.7	4.4
20°-30°	376.3	9.2
30°-40°	638.7	15.6
40°-50°	869.8	21.2
50°-60°	880.4	21.5
60°-70°	693.9	16.9
70°-80°	341.8	8.3
80°-90°	63.2	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°	4093.9	100.0
0°-180°	4093.9	100.0



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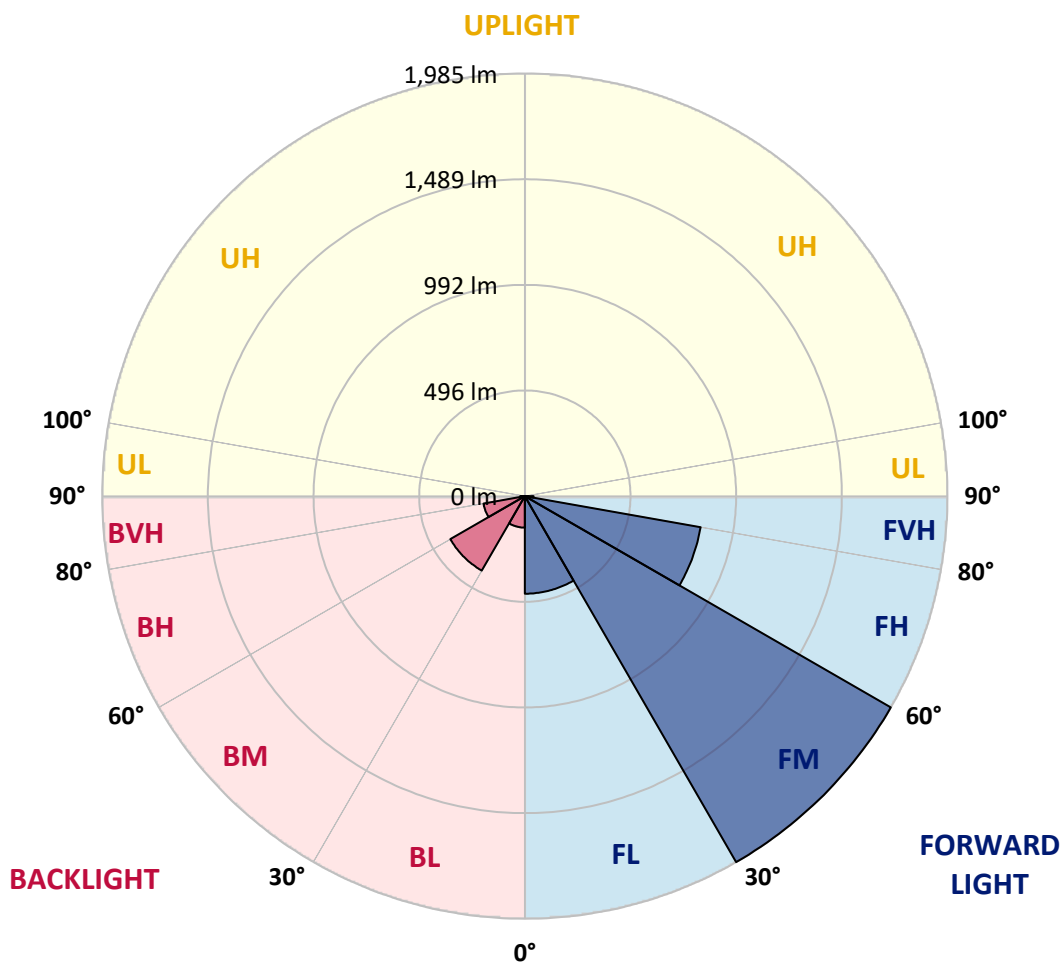
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	458.2	11.2			
FM (30°-60°)	1984.9	48.5			
FH (60°-80°)	838.5	20.5			G1/1800
FVH (80°-90°)	41.1	1.0			G1/100
BL (0°-30°)	148.0	3.6	B1/500		
BM (30°-60°)	404.0	9.9	B1/1000		
BH (60°-80°)	197.2	4.8	B1/500		G1/500
BVH (80°-90°)	22.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4
2.5°	579.8	571.0	566.2	560.9	546.2	536.8	519.1	498.4	474.6	454.2	450.4
5°	702.1	693.3	694.5	681.5	660.0	639.9	606.9	568.0	522.6	487.8	475.7
7.5°	788.5	778.8	781.1	775.8	758.4	736.3	694.5	644.3	578.0	526.4	507.0
10°	846.3	847.4	849.2	847.1	835.9	820.3	778.8	723.3	640.8	572.1	545.6
12.5°	911.7	914.9	914.3	915.2	909.3	897.0	856.3	804.1	707.7	621.4	586.9
15°	995.1	991.9	994.5	998.4	991.9	978.3	942.4	880.5	777.9	676.2	633.4
17.5°	1086.5	1079.7	1086.8	1083.0	1078.2	1069.4	1029.9	963.9	850.4	735.4	685.3
20°	1165.5	1161.1	1164.9	1165.5	1166.4	1164.6	1123.9	1053.8	926.4	800.0	741.3
22.5°	1254.2	1252.1	1251.6	1251.8	1252.7	1254.8	1227.1	1152.2	1010.7	867.8	801.7
25°	1378.3	1376.2	1362.7	1347.6	1338.8	1345.3	1330.8	1263.9	1103.9	943.8	868.1
27.5°	1517.4	1514.2	1496.2	1458.2	1429.9	1434.6	1433.1	1387.1	1211.2	1031.1	947.7
30°	1661.9	1653.9	1629.1	1575.8	1531.3	1523.0	1527.2	1511.8	1346.2	1146.9	1058.5
32.5°	1790.7	1775.9	1743.2	1689.3	1636.2	1612.3	1612.9	1619.7	1493.0	1281.9	1174.6
35°	1869.4	1859.6	1835.2	1780.7	1721.4	1705.5	1701.1	1735.0	1627.7	1406.9	1278.7
37.5°	1911.8	1902.4	1876.2	1832.2	1787.4	1780.9	1789.2	1841.7	1780.7	1562.8	1420.2
40°	1904.2	1894.1	1877.0	1846.4	1816.9	1821.9	1858.5	1939.5	1947.8	1749.4	1621.8
42.5°	1841.1	1830.5	1829.0	1826.9	1813.1	1835.2	1901.2	2011.2	2101.4	1964.9	1865.8
45°	1729.7	1723.2	1730.8	1766.2	1783.6	1826.3	1921.3	2045.9	2236.4	2183.9	2096.6
47.5°	1588.5	1584.6	1602.0	1658.0	1714.3	1799.2	1934.5	2055.4	2329.2	2329.2	2247.8
50°	1430.5	1429.0	1452.0	1533.3	1621.5	1749.4	1933.0	2064.2	2369.9	2371.9	2301.2
52.5°	1210.0	1217.7	1279.0	1386.3	1505.9	1671.3	1912.4	2089.0	2392.9	2397.6	2336.9
55°	955.9	963.3	1055.8	1200.3	1353.5	1576.4	1850.8	2081.6	2397.3	2407.9	2357.2
57.5°	763.1	764.6	822.4	993.9	1183.8	1454.9	1779.8	2032.7	2384.3	2430.6	2388.4
60°	597.2	601.9	640.5	776.4	986.9	1298.4	1700.5	1984.3	2391.7	2452.1	2416.7
62.5°	444.8	446.0	481.9	587.2	784.1	1098.9	1592.9	1932.7	2402.0	2476.3	2428.2
65°	289.8	289.5	324.2	419.2	585.7	883.4	1424.0	1852.0	2402.9	2471.0	2375.5
67.5°	184.2	185.4	200.4	260.3	392.0	666.7	1194.1	1701.9	2361.0	2342.5	2183.3
70°	149.4	149.7	154.5	170.1	238.8	455.7	897.5	1467.3	2228.7	2086.3	1897.7
72.5°	133.2	133.5	135.9	137.7	159.2	273.8	588.9	1191.4	1993.5	1778.3	1574.3
75°	119.7	119.7	121.1	119.4	130.6	171.8	334.3	895.8	1641.8	1384.8	1189.4
77.5°	104.9	104.6	104.6	103.8	112.9	125.6	167.4	625.2	1182.6	944.4	771.4
80°	89.0	88.4	89.3	88.7	97.6	95.2	97.6	385.8	641.1	433.0	328.4
82.5°	69.3	69.3	71.9	72.5	80.5	69.0	68.7	183.0	243.5	161.8	121.1
85°	36.3	40.7	54.8	57.2	60.7	43.3	50.4	85.5	97.6	61.9	44.2
87.5°	10.9	11.5	33.6	37.7	37.4	21.8	30.9	41.3	45.7	27.4	18.0
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°	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4	435.4
2.5°	440.7	430.4	408.5	389.1	374.3	360.2	350.5	345.5	339.0	339.9	337.8
5°	454.2	433.0	394.4	363.1	342.2	326.3	316.6	311.6	306.8	304.5	306.3
7.5°	474.6	441.6	387.6	349.9	328.1	314.5	309.2	307.7	306.6	305.7	307.1
10°	500.8	456.6	386.4	345.2	325.1	316.9	314.8	313.9	312.7	311.6	312.4
12.5°	527.6	473.1	390.6	346.3	329.8	323.6	321.0	319.8	316.9	315.4	315.7
15°	561.2	493.1	396.2	351.1	336.0	328.1	324.5	321.3	316.6	314.5	315.4
17.5°	597.2	517.0	403.8	355.5	338.4	328.7	321.6	316.9	312.2	309.2	309.5
20°	637.9	540.6	410.6	357.0	337.2	323.6	315.1	309.5	303.3	300.1	299.2
22.5°	680.0	565.4	415.9	355.8	330.7	315.1	305.4	298.6	291.2	286.2	286.5
25°	731.3	599.0	420.3	351.6	322.2	303.9	293.0	284.4	276.8	272.1	272.4
27.5°	792.9	637.0	425.6	345.2	311.9	291.8	279.1	270.6	263.2	258.8	258.2
30°	875.1	686.5	431.5	337.2	298.9	278.5	266.2	257.3	250.3	246.1	246.1
32.5°	967.7	746.9	435.7	327.8	284.4	264.4	253.2	246.1	240.8	235.2	234.6
35°	1048.2	793.8	448.3	320.4	271.8	251.1	243.5	238.5	230.5	225.2	224.3
37.5°	1166.4	876.3	485.8	318.3	256.4	240.8	239.3	229.9	220.8	210.8	209.9
40°	1356.8	1019.3	529.4	308.3	240.5	235.2	233.7	221.1	199.6	193.4	192.2
42.5°	1599.1	1191.4	534.1	279.1	229.3	230.5	226.1	201.3	191.9	187.2	186.0
45°	1817.8	1331.1	507.3	249.4	221.1	223.4	214.3	194.0	188.6	184.2	183.0
47.5°	1940.7	1374.2	456.6	227.0	214.9	217.2	214.3	190.4	185.1	180.7	179.5
50°	1975.2	1336.7	397.6	214.0	210.2	211.0	190.4	187.5	182.8	179.2	177.4
52.5°	1982.0	1280.7	343.1	206.3	206.6	198.7	186.0	183.6	180.7	175.1	173.0
55°	1984.9	1230.3	294.2	201.6	204.3	182.8	181.3	179.5	177.2	171.3	170.1
57.5°	1992.6	1165.8	255.9	198.1	201.3	175.4	176.0	174.8	171.8	169.2	168.6
60°	1970.8	1076.5	226.4	194.5	197.2	169.2	169.8	170.4	167.7	167.1	166.8
62.5°	1897.7	949.7	201.3	189.8	188.6	163.0	163.0	165.4	163.0	163.9	163.9
65°	1747.0	788.2	178.9	181.0	175.4	156.2	155.9	160.1	156.5	160.3	160.6
67.5°	1490.3	596.6	155.9	167.1	161.5	149.1	150.3	153.6	148.9	156.8	156.8
70°	1179.6	405.9	132.1	147.7	147.4	141.2	145.0	144.7	139.4	151.2	149.1
72.5°	878.7	260.6	107.6	123.8	128.8	132.6	139.7	133.5	128.5	135.3	129.1
75°	614.0	163.3	84.9	97.9	107.3	123.2	133.2	120.9	113.5	111.4	109.7
77.5°	367.6	104.3	66.9	74.6	83.7	112.0	125.0	107.6	96.4	95.2	91.7
80°	169.5	68.1	51.0	55.7	59.5	96.1	113.8	92.0	78.4	77.2	73.1
82.5°	76.6	44.8	38.0	39.8	40.1	76.3	96.1	72.8	59.8	97.0	84.0
85°	35.7	28.9	24.8	23.6	23.9	51.0	69.9	50.1	68.1	53.1	40.4
87.5°	15.3	14.7	12.7	10.0	9.1	10.9	26.8	20.9	29.8	11.8	8.0
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)