

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: P672101

Luminaire Tested: **CCP-SA-1C-735-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672101  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-735-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

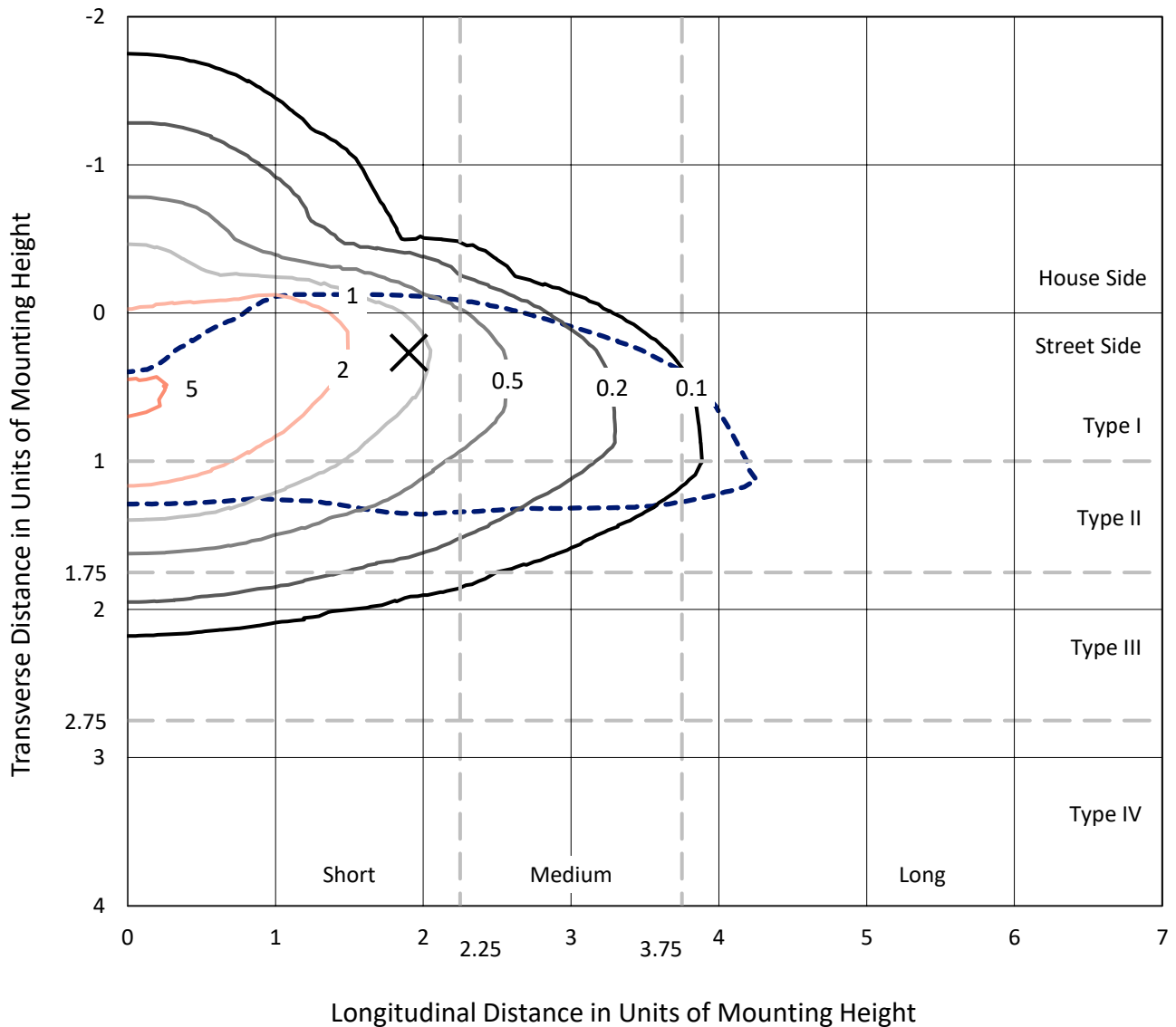
Lumens per Lamp: N/A  
Luminaire Lumens: 4529.6 lumens  
Efficiency: N/A  
Efficacy: 141.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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: P672101  
 CATALOG NUMBER: CCP-SA-1C-735-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

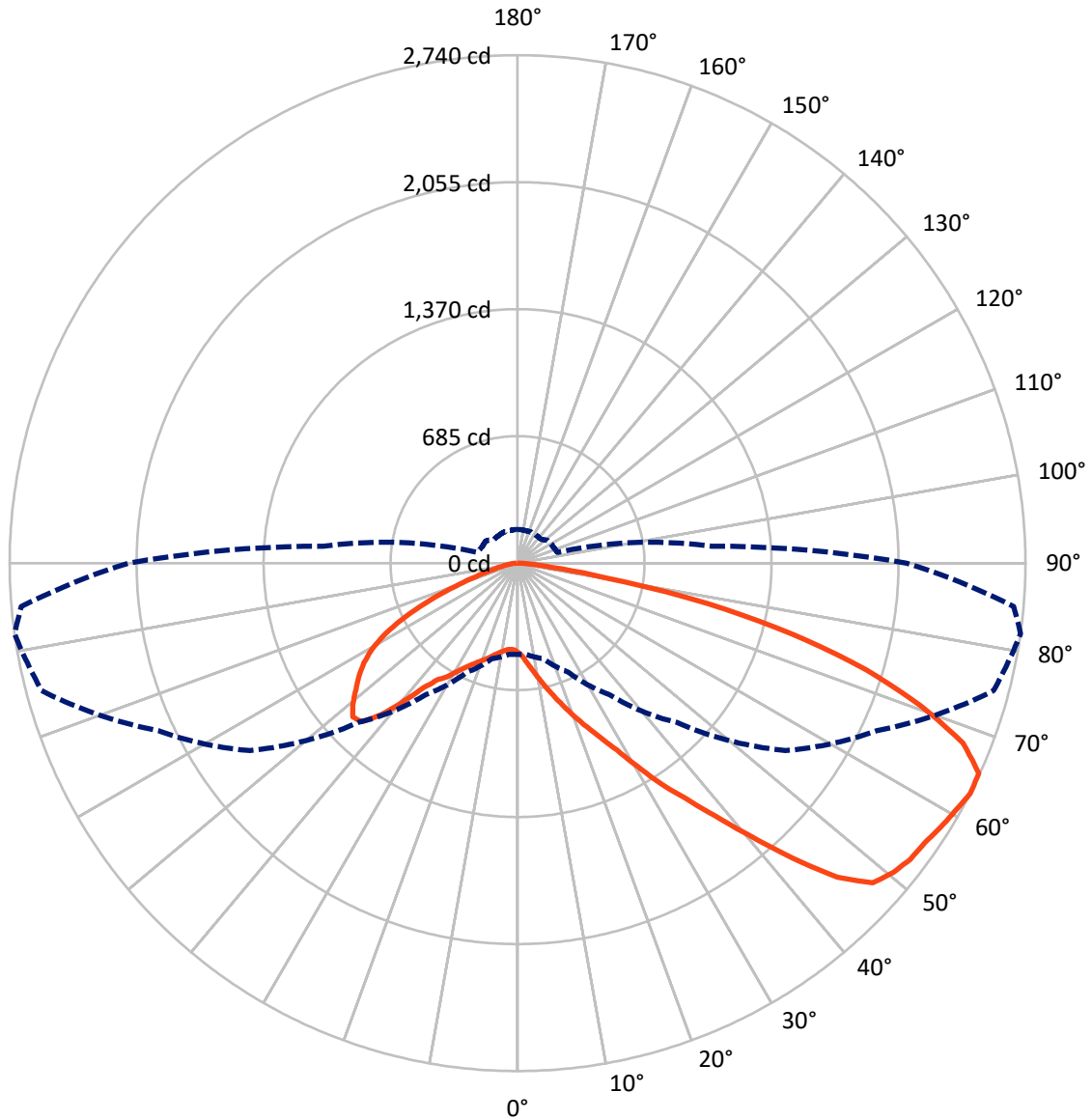
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P672101  
CATALOG NUMBER: CCP-SA-1C-735-U-T2R

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P672101  
 CATALOG NUMBER: CCP-SA-1C-735-U-T2R

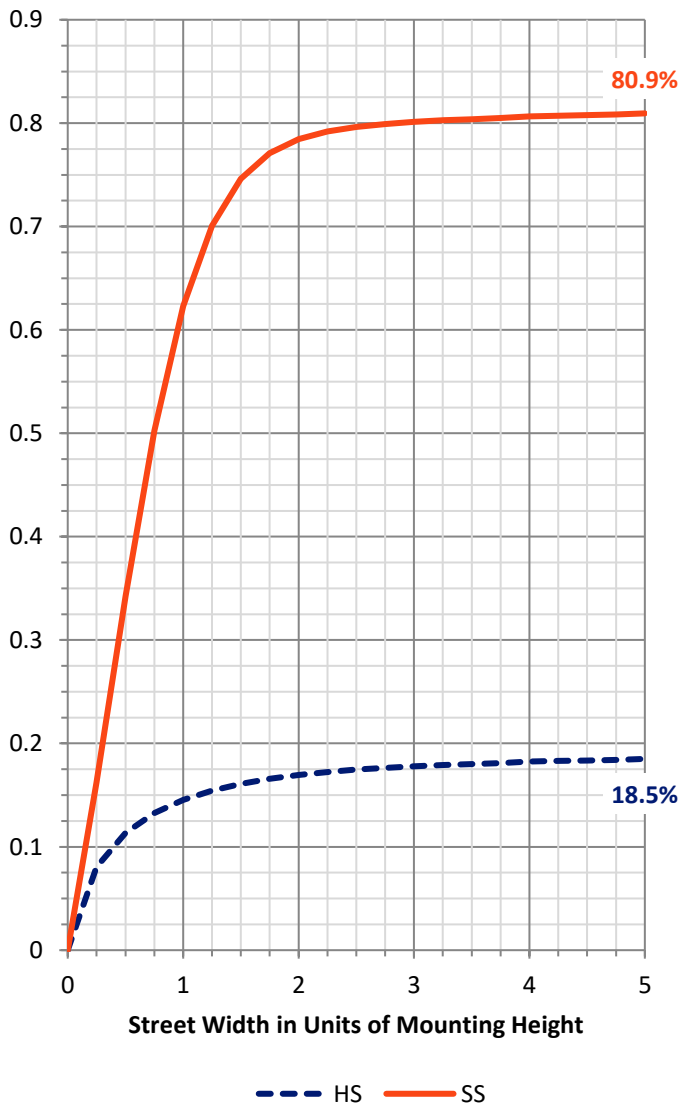
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	853.3	0.0	853.3
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	3676.2	0.0	3676.2
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	4529.6	0.0	4529.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.3	1.2
10°-20°	201.0	4.4
20°-30°	416.4	9.2
30°-40°	706.7	15.6
40°-50°	962.3	21.2
50°-60°	974.1	21.5
60°-70°	767.7	16.9
70°-80°	378.2	8.3
80°-90°	70.0	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°	4529.6	100.0
0°-180°	4529.6	100.0



REPORT NUMBER: P672101

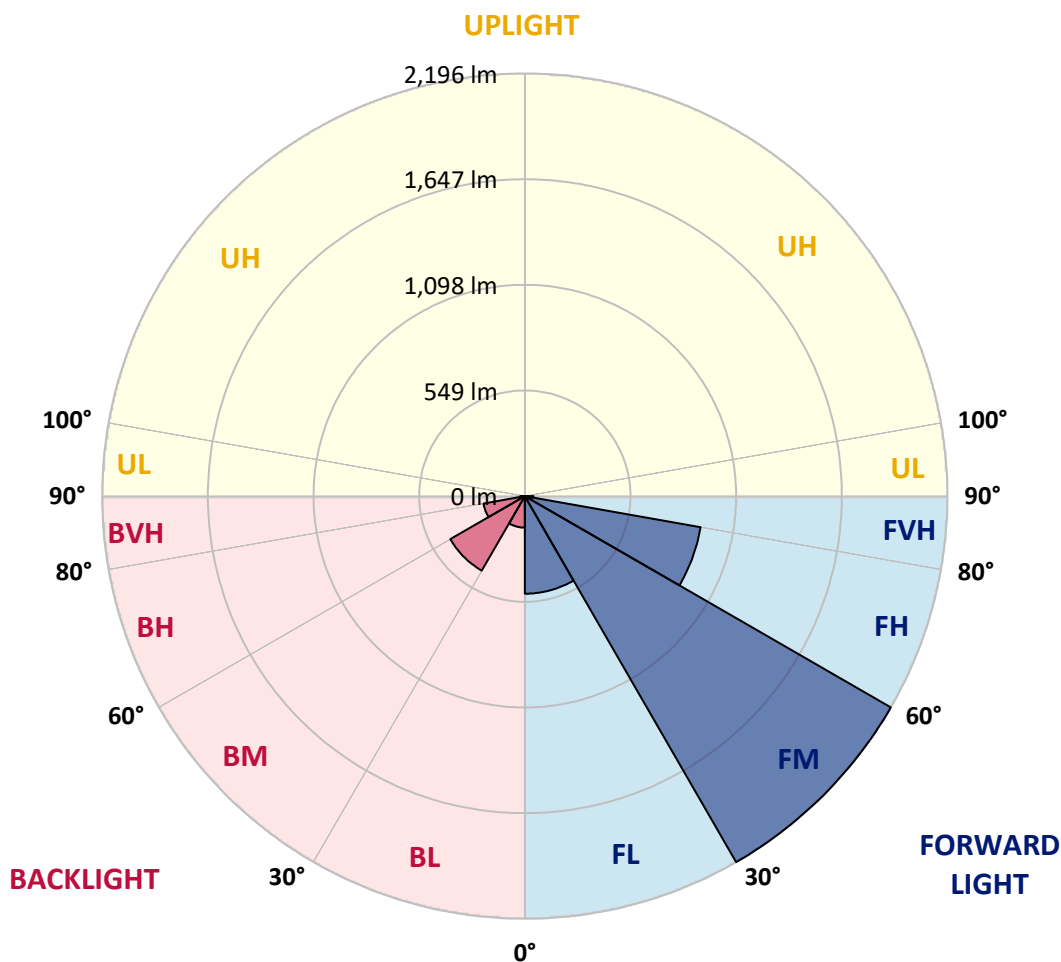
CATALOG NUMBER: CCP-SA-1C-735-U-T2R

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	507.0	11.2			
FM (30°-60°)	2196.1	48.5			
FH (60°-80°)	927.7	20.5			G1/1800
FVH (80°-90°)	45.4	1.0			G1/100
BL (0°-30°)	163.7	3.6	B1/500		
BM (30°-60°)	447.0	9.9	B1/1000		
BH (60°-80°)	218.1	4.8	B1/500		G1/500
BVH (80°-90°)	24.5	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: P672101

CATALOG NUMBER: CCP-SA-1C-735-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7
2.5°	641.5	631.7	626.5	620.6	604.3	593.9	574.3	551.5	525.1	502.6	498.3
5°	776.8	767.1	768.4	754.0	730.2	708.0	671.5	628.5	578.2	539.7	526.4
7.5°	872.4	861.6	864.2	858.4	839.1	814.7	768.4	712.9	639.5	582.5	560.9
10°	936.3	937.6	939.6	937.3	924.9	907.6	861.6	800.3	709.0	633.0	603.7
12.5°	1008.7	1012.3	1011.7	1012.6	1006.1	992.4	947.4	889.7	783.0	687.5	649.3
15°	1101.0	1097.4	1100.4	1104.6	1097.4	1082.4	1042.6	974.1	860.7	748.1	700.9
17.5°	1202.1	1194.6	1202.4	1198.2	1193.0	1183.2	1139.5	1066.4	940.9	813.7	758.3
20°	1289.5	1284.6	1288.9	1289.5	1290.5	1288.5	1243.5	1165.9	1025.0	885.1	820.2
22.5°	1387.7	1385.4	1384.7	1385.1	1386.1	1388.3	1357.7	1274.8	1118.3	960.1	887.1
25°	1525.0	1522.7	1507.7	1491.1	1481.3	1488.5	1472.5	1398.4	1221.4	1044.3	960.5
27.5°	1678.9	1675.3	1655.4	1613.4	1582.1	1587.3	1585.6	1534.8	1340.1	1140.8	1048.5
30°	1838.7	1829.9	1802.5	1743.5	1694.2	1685.1	1689.7	1672.7	1489.4	1269.0	1171.1
32.5°	1981.2	1964.9	1928.7	1869.0	1810.3	1783.9	1784.6	1792.1	1651.8	1418.3	1299.6
35°	2068.3	2057.6	2030.5	1970.1	1904.6	1887.0	1882.1	1919.6	1800.9	1556.6	1414.8
37.5°	2115.3	2104.8	2075.8	2027.2	1977.7	1970.5	1979.6	2037.7	1970.1	1729.1	1571.3
40°	2106.8	2095.7	2076.8	2042.9	2010.3	2015.8	2056.2	2145.9	2155.1	1935.6	1794.4
42.5°	2037.0	2025.3	2023.6	2021.4	2006.0	2030.5	2103.5	2225.2	2325.0	2174.0	2064.4
45°	1913.7	1906.6	1915.0	1954.2	1973.4	2020.7	2125.7	2263.7	2474.3	2416.3	2319.8
47.5°	1757.5	1753.3	1772.5	1834.5	1896.8	1990.7	2140.4	2274.1	2577.1	2577.1	2487.1
50°	1582.7	1581.1	1606.5	1696.5	1794.0	1935.6	2138.8	2283.9	2622.1	2624.4	2546.1
52.5°	1338.8	1347.2	1415.1	1533.8	1666.2	1849.2	2115.9	2311.3	2647.5	2652.7	2585.6
55°	1057.6	1065.8	1168.2	1328.0	1497.6	1744.1	2047.8	2303.1	2652.4	2664.2	2608.1
57.5°	844.3	846.0	909.9	1099.7	1309.7	1609.8	1969.2	2249.0	2638.1	2689.3	2642.6
60°	660.7	666.0	708.7	859.0	1091.9	1436.6	1881.4	2195.5	2646.2	2713.1	2673.9
62.5°	492.1	493.4	533.2	649.7	867.5	1215.8	1762.4	2138.4	2657.6	2739.8	2686.7
65°	320.6	320.3	358.7	463.8	648.0	977.4	1575.5	2049.1	2658.6	2733.9	2628.3
67.5°	203.8	205.1	221.8	288.0	433.8	737.7	1321.2	1883.1	2612.3	2591.8	2415.6
70°	165.3	165.7	170.9	188.2	264.2	504.2	993.1	1623.5	2465.9	2308.3	2099.6
72.5°	147.4	147.7	150.3	152.3	176.1	303.0	651.6	1318.2	2205.6	1967.5	1741.9
75°	132.4	132.4	134.0	132.1	144.5	190.1	369.8	991.1	1816.5	1532.2	1315.9
77.5°	116.1	115.8	115.8	114.8	124.9	138.9	185.2	691.7	1308.4	1044.9	853.5
80°	98.5	97.8	98.8	98.2	107.9	105.3	107.9	426.9	709.3	479.1	363.3
82.5°	76.6	76.6	79.6	80.2	89.0	76.3	76.0	202.5	269.4	179.0	134.0
85°	40.1	45.0	60.7	63.3	67.2	47.9	55.8	94.6	107.9	68.5	48.9
87.5°	12.1	12.7	37.2	41.7	41.4	24.1	34.2	45.7	50.6	30.3	19.9
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: P672101  
 CATALOG NUMBER: CCP-SA-1C-735-U-T2R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7	481.7
2.5°	487.6	476.1	452.0	430.5	414.2	398.5	387.8	382.2	375.0	376.0	373.7
5°	502.6	479.1	436.4	401.8	378.6	361.0	350.3	344.7	339.5	336.9	338.8
7.5°	525.1	488.5	428.9	387.1	363.0	348.0	342.1	340.5	339.2	338.2	339.8
10°	554.1	505.2	427.6	381.9	359.7	350.6	348.3	347.3	346.0	344.7	345.7
12.5°	583.8	523.4	432.1	383.2	364.9	358.1	355.2	353.9	350.6	349.0	349.3
15°	621.0	545.6	438.3	388.4	371.8	363.0	359.1	355.5	350.3	348.0	349.0
17.5°	660.7	572.0	446.8	393.3	374.4	363.6	355.8	350.6	345.4	342.1	342.4
20°	705.7	598.1	454.3	394.9	373.1	358.1	348.6	342.4	335.6	332.0	331.0
22.5°	752.4	625.5	460.2	393.6	365.9	348.6	337.9	330.4	322.2	316.7	317.0
25°	809.1	662.7	465.1	389.1	356.5	336.2	324.2	314.7	306.2	301.0	301.3
27.5°	877.3	704.8	470.9	381.9	345.0	322.9	308.8	299.4	291.2	286.3	285.7
30°	968.3	759.6	477.5	373.1	330.7	308.2	294.5	284.7	276.9	272.3	272.3
32.5°	1070.7	826.4	482.0	362.7	314.7	292.5	280.1	272.3	266.4	260.3	259.6
35°	1159.7	878.3	496.0	354.5	300.7	277.9	269.4	263.8	255.0	249.2	248.2
37.5°	1290.5	969.6	537.5	352.2	283.7	266.4	264.8	254.4	244.3	233.2	232.2
40°	1501.2	1127.8	585.7	341.1	266.1	260.3	258.6	244.6	220.8	213.9	212.6
42.5°	1769.3	1318.2	590.9	308.8	253.7	255.0	250.1	222.7	212.3	207.1	205.8
45°	2011.2	1472.8	561.3	275.9	244.6	247.2	237.1	214.6	208.7	203.8	202.5
47.5°	2147.2	1520.4	505.2	251.1	237.7	240.4	216.2	210.7	204.8	199.9	198.6
50°	2185.4	1479.0	439.9	236.8	232.5	233.5	210.7	207.4	202.2	198.3	196.3
52.5°	2192.9	1417.0	379.6	228.3	228.6	219.8	205.8	203.2	199.9	193.7	191.4
55°	2196.2	1361.3	325.5	223.1	226.0	202.2	200.6	198.6	196.0	189.5	188.2
57.5°	2204.6	1289.8	283.1	219.2	222.7	194.0	194.7	193.4	190.1	187.2	186.5
60°	2180.5	1191.0	250.5	215.2	218.2	187.2	187.9	188.5	185.6	184.9	184.6
62.5°	2099.6	1050.8	222.7	210.0	208.7	180.3	180.3	183.0	180.3	181.3	181.3
65°	1933.0	872.1	198.0	200.2	194.0	172.8	172.5	177.1	173.2	177.4	177.7
67.5°	1648.9	660.1	172.5	184.9	178.7	165.0	166.3	169.9	164.7	173.5	173.5
70°	1305.2	449.1	146.1	163.4	163.1	156.2	160.5	160.1	154.3	167.3	165.0
72.5°	972.2	288.3	119.0	137.0	142.5	146.8	154.6	147.7	142.2	149.7	142.8
75°	679.3	180.7	93.9	108.3	118.7	136.3	147.4	133.7	125.6	123.3	121.3
77.5°	406.7	115.4	74.0	82.5	92.6	123.9	138.3	119.0	106.6	105.3	101.4
80°	187.5	75.3	56.4	61.6	65.9	106.3	125.9	101.8	86.8	85.4	80.9
82.5°	84.8	49.6	42.1	44.0	44.4	84.5	106.3	80.6	66.2	107.3	92.9
85°	39.5	32.0	27.4	26.1	26.4	56.4	77.3	55.4	75.3	58.7	44.7
87.5°	17.0	16.3	14.0	11.1	10.1	12.1	29.7	23.2	32.9	13.0	8.8
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)