

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: P672071

Luminaire Tested: **CCP-SA-1F-722-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672071  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-722-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T2R distribution lens  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

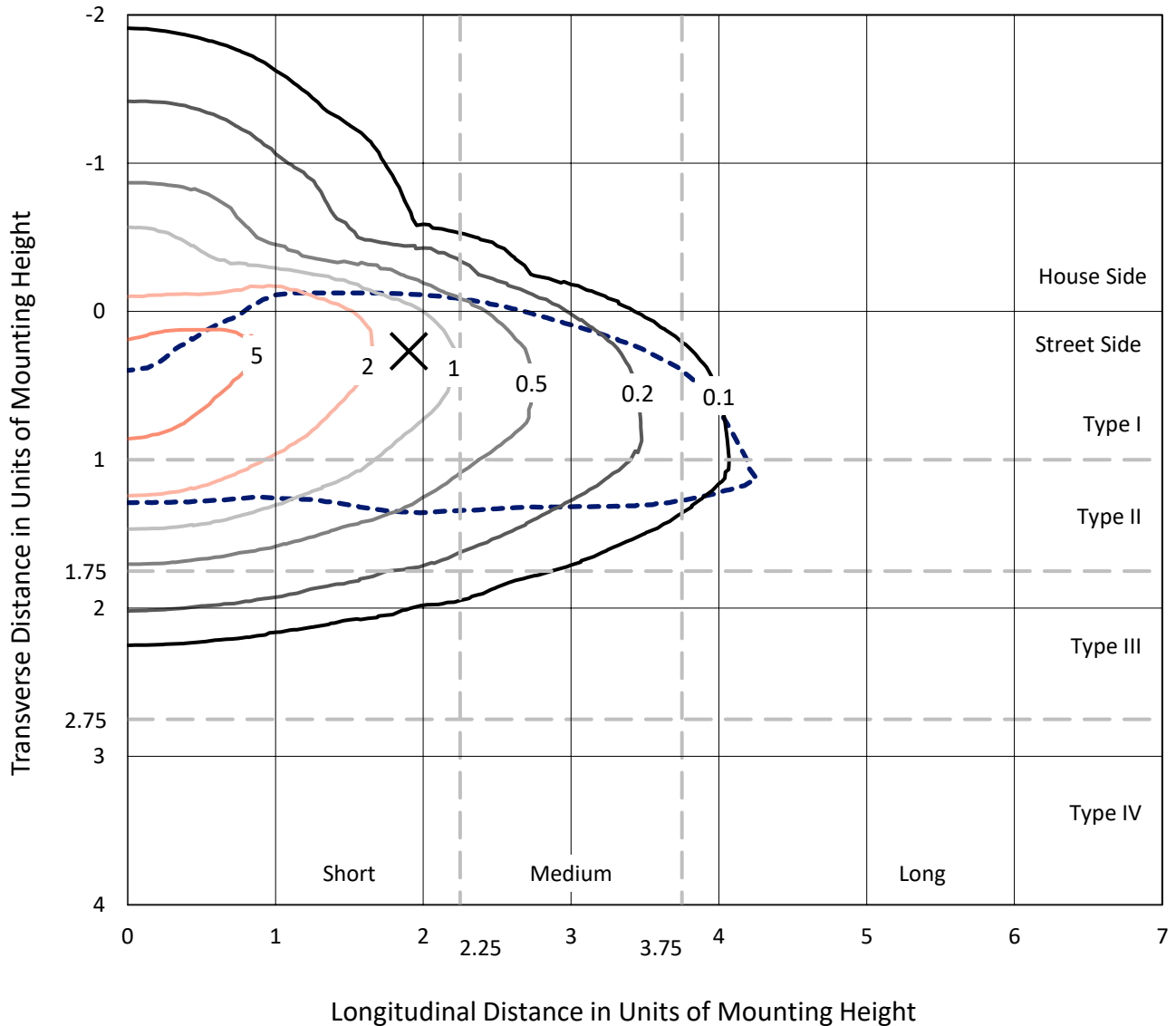
Lumens per Lamp: N/A  
Luminaire Lumens: 5609.8 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 67  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P672071  
 CATALOG NUMBER: CCP-SA-1F-722-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

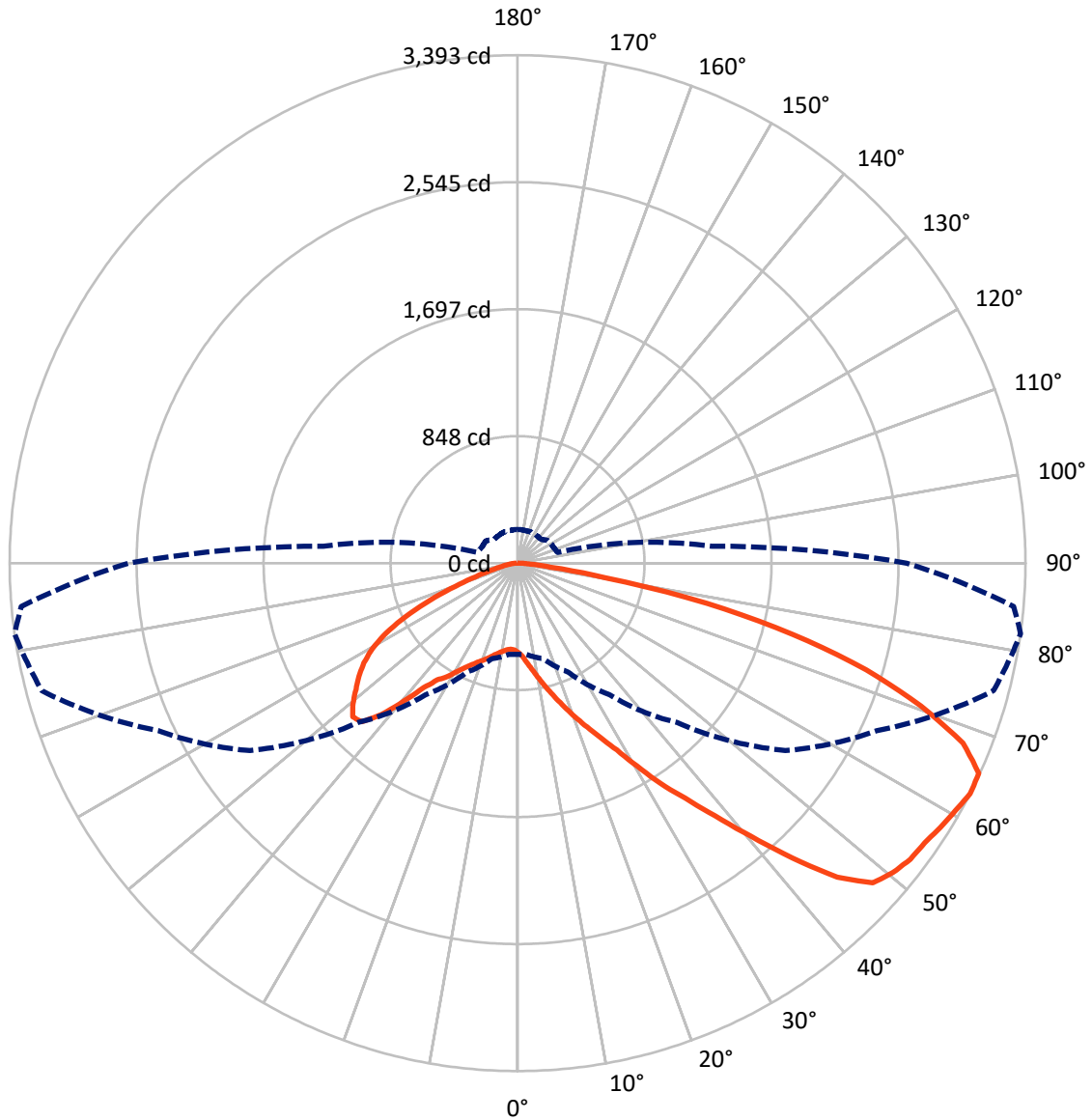
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P672071  
CATALOG NUMBER: CCP-SA-1F-722-U-T2R

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P672071

CATALOG NUMBER: CCP-SA-1F-722-U-T2R

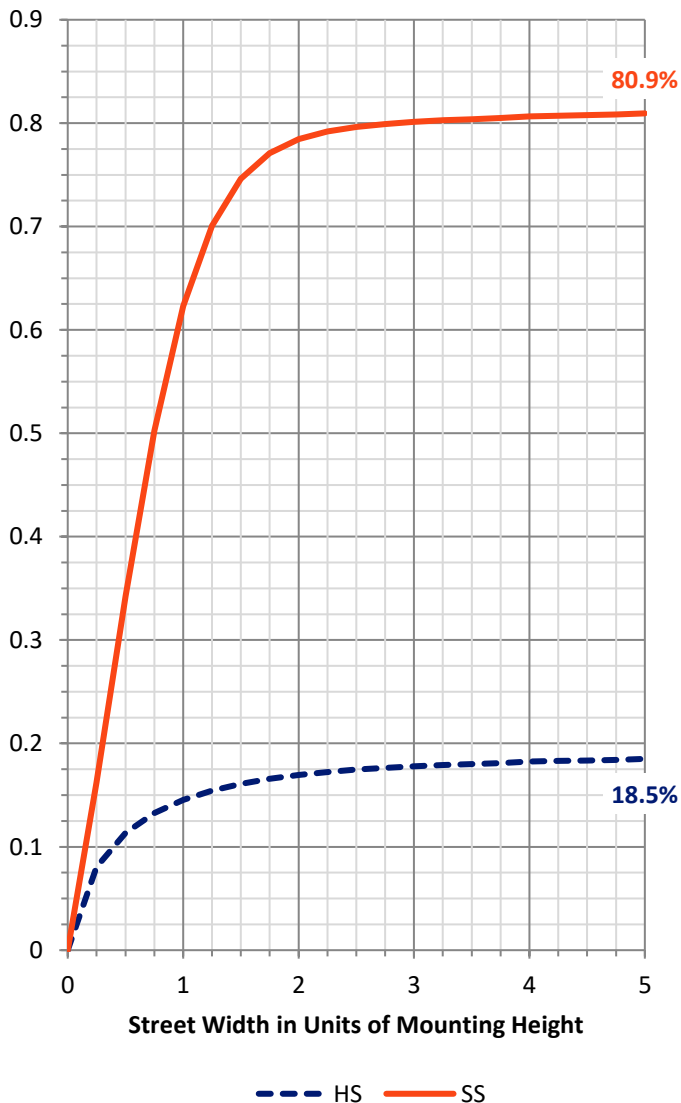
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1056.9	0.0	1056.9
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	4553.0	0.0	4553.0
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	5609.8	0.0	5609.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.0	1.2
10°-20°	249.0	4.4
20°-30°	515.7	9.2
30°-40°	875.2	15.6
40°-50°	1191.8	21.2
50°-60°	1206.4	21.5
60°-70°	950.8	16.9
70°-80°	468.4	8.3
80°-90°	86.6	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°	5609.8	100.0
0°-180°	5609.8	100.0



REPORT NUMBER: P672071

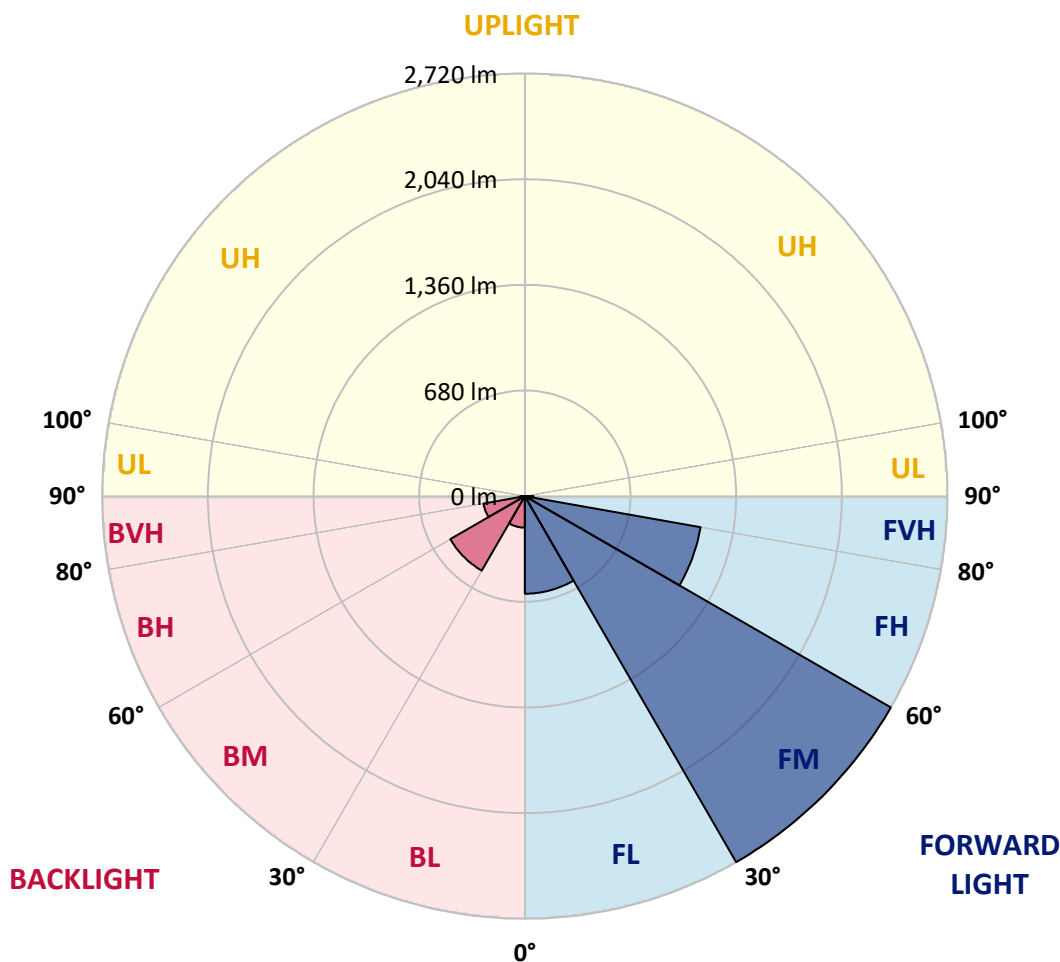
CATALOG NUMBER: CCP-SA-1F-722-U-T2R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	627.9	11.2			
FM (30°-60°)	2719.8	48.5			
FH (60°-80°)	1149.0	20.5			G1/1800
FVH (80°-90°)	56.3	1.0			G1/100
BL (0°-30°)	202.8	3.6	B1/500		
BM (30°-60°)	553.6	9.9	B1/1000		
BH (60°-80°)	270.2	4.8	B1/500		G1/500
BVH (80°-90°)	30.4	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: P672071  
 CATALOG NUMBER: CCP-SA-1F-722-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2.5°	794.5	782.4	775.9	768.6	748.4	735.5	711.3	683.0	650.3	622.4	617.2
5°	962.1	950.0	951.6	933.8	904.3	876.9	831.6	778.3	716.1	668.5	651.9
7.5°	1080.4	1067.1	1070.4	1063.1	1039.2	1009.0	951.6	882.9	792.1	721.4	694.7
10°	1159.6	1161.2	1163.7	1160.8	1145.5	1124.1	1067.1	991.2	878.1	784.0	747.6
12.5°	1249.3	1253.7	1252.9	1254.1	1246.0	1229.1	1173.3	1101.9	969.8	851.4	804.2
15°	1363.6	1359.1	1362.8	1368.0	1359.1	1340.6	1291.3	1206.5	1065.9	926.6	868.0
17.5°	1488.8	1479.5	1489.2	1483.9	1477.5	1465.4	1411.2	1320.8	1165.3	1007.7	939.1
20°	1597.0	1591.0	1596.2	1597.0	1598.3	1595.8	1540.1	1444.0	1269.5	1096.2	1015.8
22.5°	1718.6	1715.8	1715.0	1715.4	1716.6	1719.4	1681.5	1578.9	1385.0	1189.1	1098.6
25°	1888.7	1885.8	1867.3	1846.7	1834.5	1843.4	1823.6	1731.9	1512.6	1293.3	1189.5
27.5°	2079.3	2074.9	2050.2	1998.1	1959.3	1965.8	1963.8	1900.8	1659.6	1412.9	1298.6
30°	2277.2	2266.3	2232.4	2159.3	2098.3	2087.0	2092.6	2071.6	1844.6	1571.6	1450.4
32.5°	2453.7	2433.5	2388.7	2314.8	2242.1	2209.4	2210.2	2219.5	2045.8	1756.6	1609.6
35°	2561.6	2548.2	2514.7	2440.0	2358.8	2337.0	2330.9	2377.4	2230.4	1927.8	1752.1
37.5°	2619.7	2606.8	2570.9	2510.7	2449.3	2440.4	2451.7	2523.6	2440.0	2141.5	1946.0
40°	2609.2	2595.5	2572.1	2530.1	2489.7	2496.5	2546.6	2657.7	2669.0	2397.2	2222.3
42.5°	2522.8	2508.3	2506.2	2503.4	2484.4	2514.7	2605.2	2755.8	2879.4	2692.4	2556.7
45°	2370.1	2361.2	2371.7	2420.2	2444.0	2502.6	2632.7	2803.5	3064.4	2992.5	2873.0
47.5°	2176.6	2171.4	2195.2	2272.0	2349.1	2465.4	2650.8	2816.4	3191.7	3191.7	3080.2
50°	1960.2	1958.1	1989.6	2101.1	2221.9	2397.2	2648.8	2828.6	3247.4	3250.2	3153.3
52.5°	1658.0	1668.5	1752.5	1899.6	2063.6	2290.1	2620.5	2862.5	3278.9	3285.4	3202.2
55°	1309.9	1320.0	1446.8	1644.7	1854.7	2160.1	2536.1	2852.4	3285.0	3299.5	3230.0
57.5°	1045.7	1047.7	1126.9	1362.0	1622.1	1993.7	2438.8	2785.3	3267.2	3330.6	3272.8
60°	818.3	824.8	877.7	1063.9	1352.3	1779.2	2330.1	2719.1	3277.3	3360.1	3311.6
62.5°	609.5	611.1	660.4	804.6	1074.4	1505.8	2182.7	2648.4	3291.4	3393.2	3327.4
65°	397.0	396.6	444.3	574.4	802.6	1210.5	1951.3	2537.7	3292.6	3385.9	3255.1
67.5°	252.4	254.1	274.7	356.6	537.2	913.6	1636.2	2332.2	3235.3	3209.8	2991.7
70°	204.8	205.2	211.6	233.1	327.2	624.4	1229.9	2010.6	3053.9	2858.8	2600.3
72.5°	182.6	183.0	186.2	188.6	218.1	375.2	807.0	1632.6	2731.6	2436.8	2157.3
75°	164.0	164.0	166.0	163.6	178.9	235.5	458.0	1227.5	2249.8	1897.5	1629.8
77.5°	143.8	143.4	143.4	142.2	154.7	172.1	229.4	856.7	1620.5	1294.1	1057.0
80°	122.0	121.2	122.4	121.6	133.7	130.5	133.7	528.7	878.5	593.3	450.0
82.5°	94.9	94.9	98.6	99.4	110.3	94.5	94.1	250.8	333.6	221.7	166.0
85°	49.7	55.7	75.1	78.4	83.2	59.4	69.1	117.1	133.7	84.8	60.6
87.5°	14.9	15.8	46.0	51.7	51.3	29.9	42.4	56.5	62.6	37.6	24.6
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: P672071  
 CATALOG NUMBER: CCP-SA-1F-722-U-T2R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2.5°	603.8	589.7	559.8	533.2	513.0	493.6	480.2	473.4	464.5	465.7	462.9
5°	622.4	593.3	540.4	497.6	468.9	447.1	433.8	426.9	420.5	417.2	419.7
7.5°	650.3	605.1	531.1	479.4	449.5	431.0	423.7	421.7	420.1	418.9	420.9
10°	686.2	625.6	529.5	473.0	445.5	434.2	431.4	430.2	428.5	426.9	428.1
12.5°	723.0	648.3	535.2	474.6	452.0	443.5	439.9	438.2	434.2	432.2	432.6
15°	769.0	675.7	542.8	481.1	460.5	449.5	444.7	440.3	433.8	431.0	432.2
17.5°	818.3	708.5	553.4	487.1	463.7	450.4	440.7	434.2	427.7	423.7	424.1
20°	874.1	740.8	562.6	489.1	462.1	443.5	431.8	424.1	415.6	411.2	410.0
22.5°	931.8	774.7	569.9	487.5	453.2	431.8	418.4	409.2	399.1	392.2	392.6
25°	1002.1	820.7	576.0	481.9	441.5	416.4	401.5	389.8	379.3	372.8	373.2
27.5°	1086.5	872.8	583.2	473.0	427.3	399.9	382.5	370.8	360.7	354.6	353.8
30°	1199.2	940.7	591.3	462.1	409.6	381.7	364.7	352.6	342.9	337.3	337.3
32.5°	1326.0	1023.5	597.0	449.1	389.8	362.3	347.0	337.3	330.0	322.3	321.5
35°	1436.3	1087.7	614.3	439.0	372.4	344.1	333.6	326.8	315.9	308.6	307.4
37.5°	1598.3	1200.8	665.6	436.2	351.4	330.0	328.0	315.0	302.5	288.8	287.6
40°	1859.2	1396.7	725.4	422.5	329.6	322.3	320.3	302.9	273.4	265.0	263.3
42.5°	2191.2	1632.6	731.9	382.5	314.2	315.9	309.8	275.9	262.9	256.5	254.9
45°	2490.9	1824.0	695.1	341.7	302.9	306.2	293.6	265.8	258.5	252.4	250.8
47.5°	2659.3	1883.0	625.6	311.0	294.4	297.7	267.8	260.9	253.7	247.6	246.0
50°	2706.6	1831.7	544.9	293.2	288.0	289.2	260.9	256.9	250.4	245.6	243.2
52.5°	2715.9	1755.0	470.1	282.7	283.1	272.2	254.9	251.6	247.6	239.9	237.1
55°	2719.9	1685.9	403.1	276.3	279.9	250.4	248.4	246.0	242.7	234.7	233.1
57.5°	2730.4	1597.4	350.6	271.4	275.9	240.3	241.1	239.5	235.5	231.8	231.0
60°	2700.5	1475.1	310.2	266.6	270.2	231.8	232.6	233.5	229.8	229.0	228.6
62.5°	2600.3	1301.4	275.9	260.1	258.5	223.4	223.4	226.6	223.4	224.6	224.6
65°	2393.9	1080.0	245.2	248.0	240.3	214.1	213.7	219.3	214.5	219.7	220.1
67.5°	2042.1	817.5	213.7	229.0	221.3	204.4	206.0	210.4	204.0	214.9	214.9
70°	1616.4	556.2	180.9	202.4	202.0	193.5	198.7	198.3	191.0	207.2	204.4
72.5°	1204.0	357.1	147.4	169.6	176.5	181.8	191.5	183.0	176.1	185.4	176.9
75°	841.3	223.8	116.3	134.1	147.0	168.8	182.6	165.6	155.5	152.7	150.3
77.5°	503.7	143.0	91.7	102.2	114.7	153.5	171.3	147.4	132.1	130.5	125.6
80°	232.2	93.3	69.9	76.3	81.6	131.7	155.9	126.0	107.4	105.8	100.2
82.5°	105.0	61.4	52.1	54.5	54.9	104.6	131.7	99.8	82.0	132.9	115.1
85°	48.9	39.6	33.9	32.3	32.7	69.9	95.7	68.7	93.3	72.7	55.3
87.5°	21.0	20.2	17.4	13.7	12.5	14.9	36.8	28.7	40.8	16.2	10.9
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)