

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: P670999

Luminaire Tested: **CCP-SA-2C-827-U-T4FT**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670999  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-827-U-T4FT  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4FT distribution lens  
Light Source: (32) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

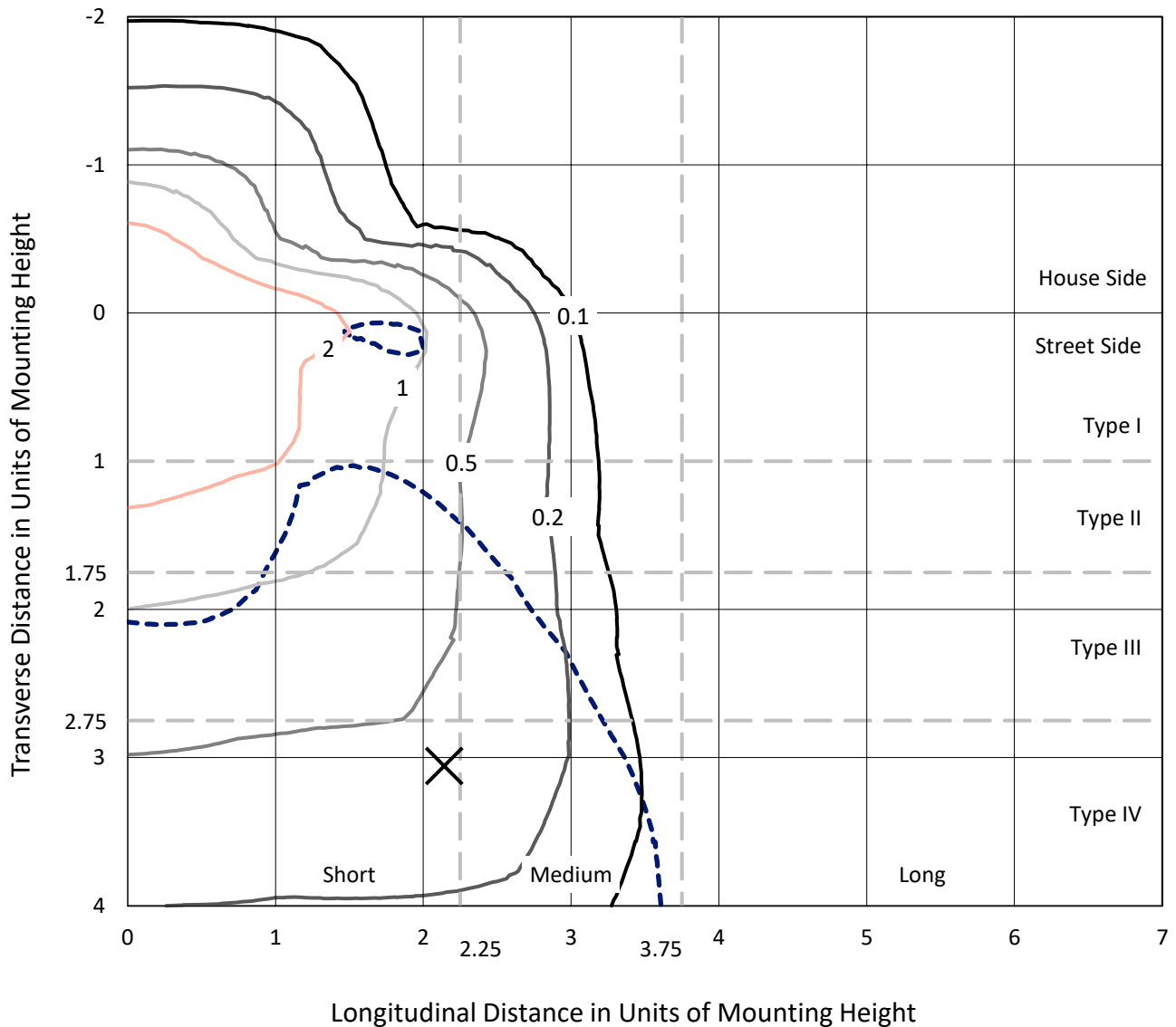
Lumens per Lamp: N/A  
Luminaire Lumens: 6642.3 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
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: P670999  
 CATALOG NUMBER: CCP-SA-2C-827-U-T4FT

### Iso-Footcandle Lines of Horizontal Illumination

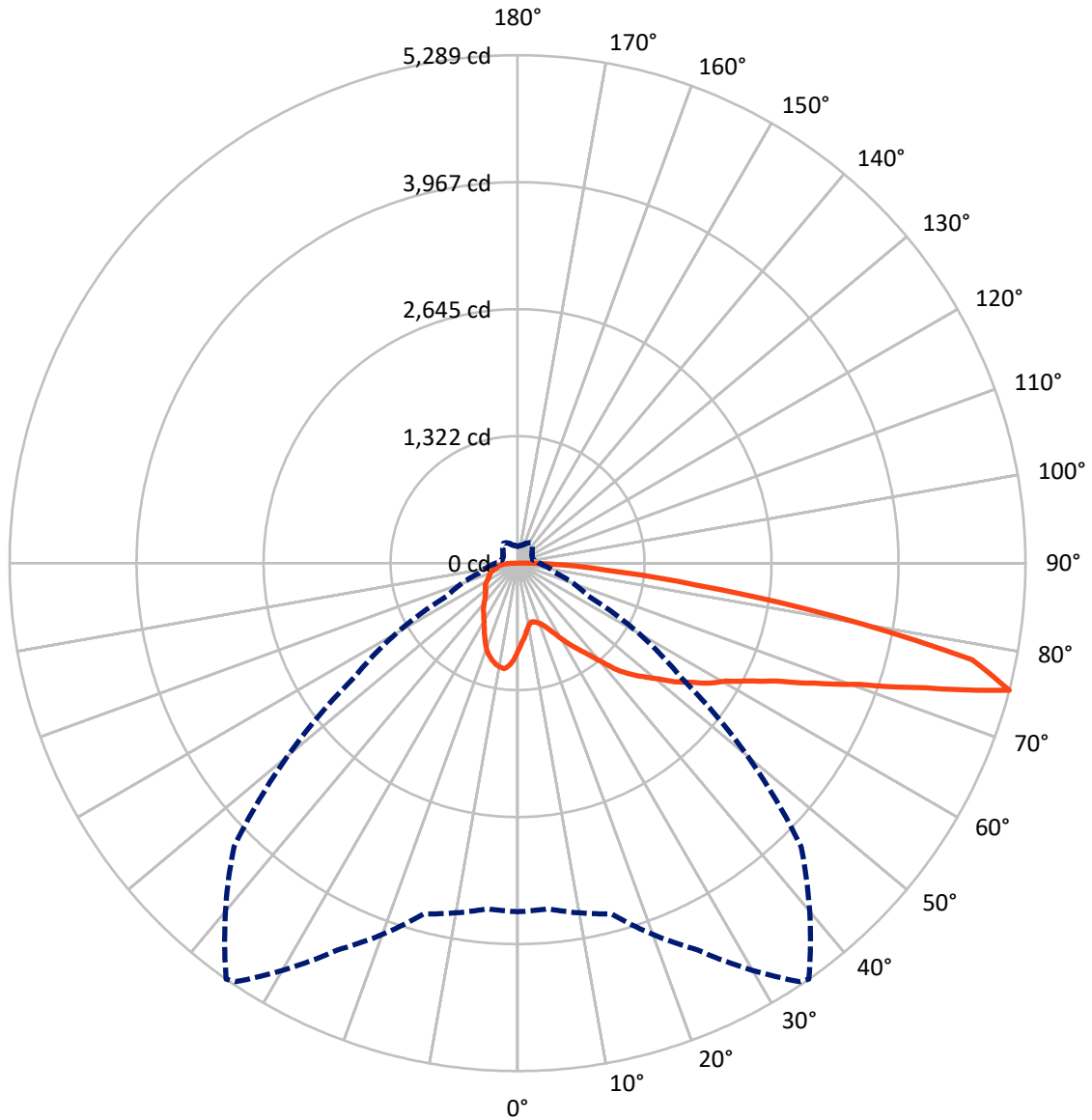
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P670999  
CATALOG NUMBER: CCP-SA-2C-827-U-T4FT

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P670999

CATALOG NUMBER: CCP-SA-2C-827-U-T4FT

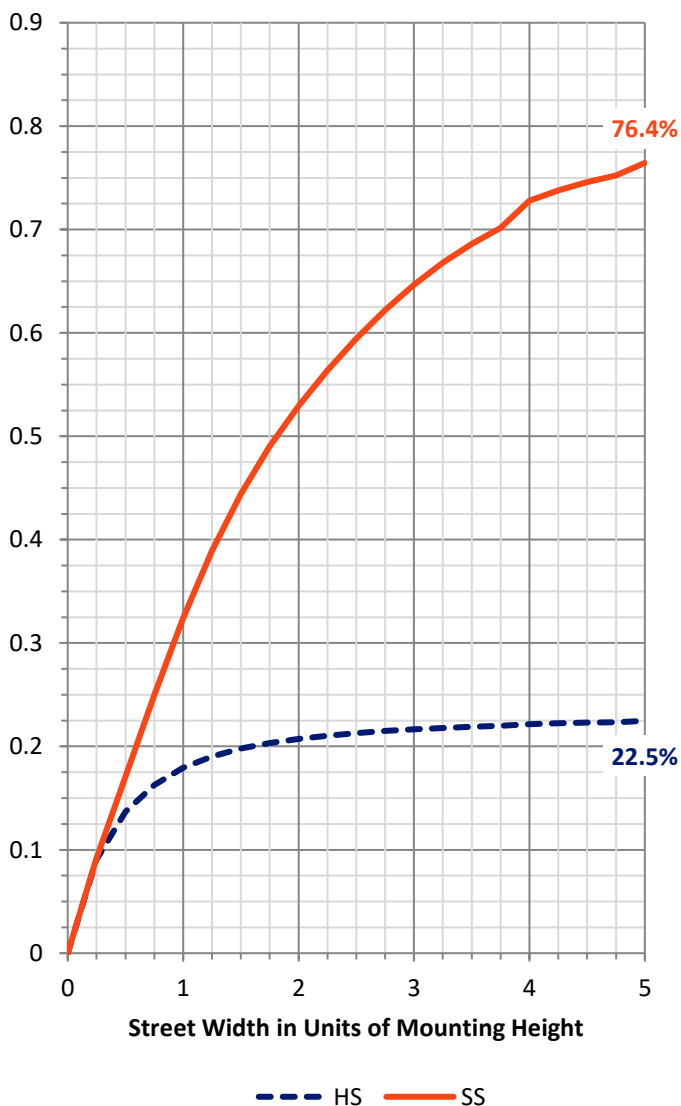
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1526.6	0.0	1526.6
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	5115.7	0.0	5115.7
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	6642.3	0.0	6642.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.7	1.3
10°-20°	251.7	3.8
20°-30°	417.6	6.3
30°-40°	619.0	9.3
40°-50°	892.6	13.4
50°-60°	1227.4	18.5
60°-70°	1516.1	22.8
70°-80°	1387.0	20.9
80°-90°	244.2	3.7
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°	6642.3	100.0
0°-180°	6642.3	100.0



REPORT NUMBER: P670999

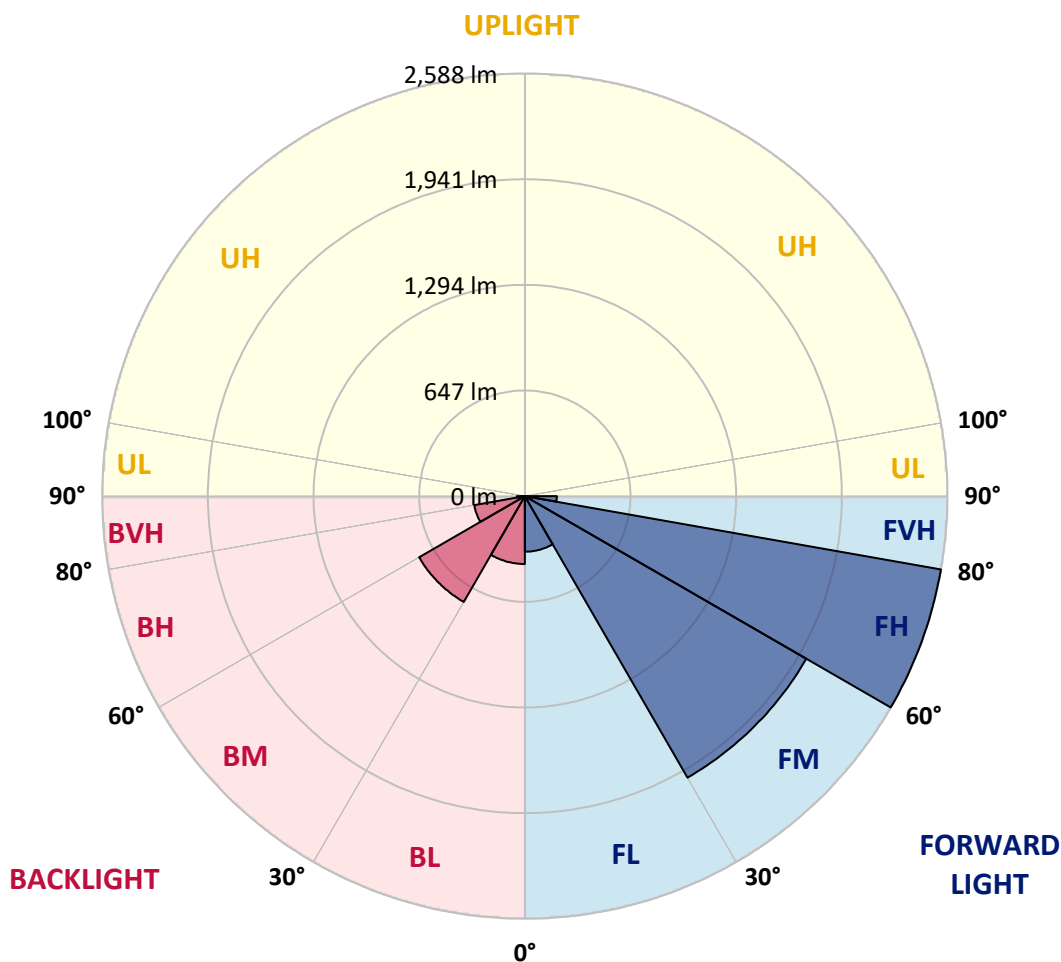
CATALOG NUMBER: CCP-SA-2C-827-U-T4FT

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.5	5.1			
FM (30°-60°)	1991.0	30.0			
FH (60°-80°)	2588.4	39.0			G2/5000
FVH (80°-90°)	196.0	3.0			G2/225
BL (0°-30°)	415.5	6.3	B1/500		
BM (30°-60°)	748.1	11.3	B1/1000		
BH (60°-80°)	314.8	4.7	B1/500		G1/500
BVH (80°-90°)	48.2	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





REPORT NUMBER: P670999

CATALOG NUMBER: CCP-SA-2C-827-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0
2.5°	824.4	817.1	824.4	829.3	829.3	829.3	836.6	858.7	873.3	883.1	900.3
5°	738.8	741.2	746.1	758.4	765.7	770.6	782.8	809.7	831.8	863.6	900.3
7.5°	663.0	667.8	675.2	687.4	704.5	702.1	729.0	765.7	807.3	848.9	902.7
10°	623.8	633.6	636.0	638.5	655.6	655.6	692.3	733.9	785.3	839.1	902.7
12.5°	631.2	631.2	623.8	621.4	631.2	628.7	660.5	709.4	765.7	841.5	912.5
15°	653.2	653.2	638.5	623.8	638.5	633.6	660.5	699.7	765.7	844.0	932.1
17.5°	682.5	685.0	667.8	643.4	648.3	650.7	670.3	707.0	765.7	848.9	959.0
20°	741.2	729.0	702.1	663.0	680.1	672.7	702.1	733.9	780.4	868.4	998.1
22.5°	792.6	792.6	741.2	707.0	709.4	709.4	736.3	763.3	802.4	895.4	1027.5
25°	875.8	870.9	807.3	755.9	760.8	763.3	777.9	809.7	839.1	910.0	1064.2
27.5°	981.0	968.7	905.1	846.4	826.9	834.2	841.5	866.0	873.3	934.5	1108.2
30°	1093.5	1076.4	1022.6	929.6	919.8	922.3	910.0	924.7	914.9	973.6	1152.2
32.5°	1164.5	1164.5	1113.1	1044.6	1017.7	1017.7	976.1	985.9	985.9	1010.3	1230.5
35°	1225.6	1220.7	1186.5	1135.1	1118.0	1108.2	1066.6	1081.3	1056.8	1081.3	1340.6
37.5°	1318.6	1303.9	1289.2	1255.0	1220.7	1213.4	1191.4	1201.2	1166.9	1154.7	1465.4
40°	1426.2	1418.9	1404.2	1389.5	1355.3	1352.8	1328.4	1338.1	1301.5	1255.0	1590.1
42.5°	1585.2	1563.2	1516.7	1504.5	1511.8	1521.6	1511.8	1494.7	1428.7	1369.9	1724.7
45°	1744.2	1710.0	1621.9	1602.3	1658.6	1651.3	1692.9	1685.5	1577.9	1484.9	1866.6
47.5°	1847.0	1817.6	1746.7	1734.5	1758.9	1768.7	1893.5	1871.4	1700.2	1590.1	2003.5
50°	1920.4	1922.8	1829.9	1861.7	1893.5	1893.5	2050.0	2047.6	1849.4	1719.8	2182.1
52.5°	2028.0	1993.8	1954.6	1984.0	2028.0	2052.5	2245.7	2191.9	1942.4	1829.9	2382.7
55°	2084.3	2069.6	2035.4	2086.7	2179.7	2191.9	2397.4	2355.8	2047.6	1959.5	2588.2
57.5°	2106.3	2118.5	2174.8	2196.8	2326.5	2358.3	2534.4	2475.7	2145.4	2121.0	2747.2
60°	2204.1	2187.0	2262.9	2350.9	2475.7	2492.8	2705.6	2578.4	2240.8	2226.2	2798.6
62.5°	2402.3	2358.3	2399.9	2505.0	2678.7	2700.8	2886.7	2715.4	2282.4	2297.1	2796.2
65°	2691.0	2659.2	2598.0	2681.2	2925.8	2957.6	3099.5	2832.9	2270.2	2272.6	2598.0
67.5°	3031.0	2979.6	2916.0	2967.4	3265.9	3339.2	3358.8	2884.2	2184.6	2135.7	2113.6
70°	3329.5	3295.2	3253.6	3341.7	3757.6	3784.5	3681.7	2852.4	1947.3	1714.9	1409.1
72.5°	3608.3	3591.2	3615.7	3945.9	4423.0	4440.1	3985.1	2651.8	1538.7	1039.7	655.6
75°	3630.4	3613.2	3782.0	4445.0	5257.2	5289.0	4173.4	2079.4	812.2	423.2	276.4
77.5°	2458.6	2509.9	2825.5	3892.1	4829.1	4836.4	3412.6	966.3	335.1	249.5	193.3
80°	604.2	670.3	1064.2	2013.3	3256.1	3336.8	1869.0	325.4	220.2	190.8	144.3
82.5°	220.2	239.7	433.0	910.0	1829.9	1861.7	653.2	176.1	159.0	146.8	105.2
85°	105.2	107.6	205.5	447.7	924.7	914.9	234.8	105.2	115.0	100.3	63.6
87.5°	44.0	44.0	90.5	207.9	408.5	396.3	75.8	48.9	66.1	58.7	31.8
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: P670999  
 CATALOG NUMBER: CCP-SA-2C-827-U-T4FT

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0
2.5°	912.5	917.4	936.9	951.6	966.3	978.5	998.1	998.1	1010.3	1010.3	1010.3
5°	910.0	936.9	968.7	1003.0	1025.0	1047.0	1066.6	1069.0	1076.4	1086.2	1088.6
7.5°	919.8	946.7	998.1	1047.0	1073.9	1083.7	1108.2	1100.9	1100.9	1100.9	1108.2
10°	939.4	968.7	1039.7	1083.7	1103.3	1105.7	1098.4	1093.5	1078.8	1073.9	1066.6
12.5°	954.1	1005.4	1076.4	1110.6	1103.3	1096.0	1078.8	1054.4	1037.2	1032.4	1032.4
15°	990.8	1042.1	1108.2	1120.4	1108.2	1069.0	1047.0	1020.1	1005.4	983.4	993.2
17.5°	1022.6	1081.3	1140.0	1125.3	1100.9	1039.7	1007.9	968.7	949.2	924.7	924.7
20°	1064.2	1118.0	1169.3	1130.2	1076.4	1010.3	959.0	910.0	883.1	858.7	863.6
22.5°	1110.6	1159.6	1186.5	1110.6	1039.7	963.9	892.9	846.4	812.2	797.5	802.4
25°	1147.3	1201.2	1196.3	1078.8	995.7	905.1	826.9	782.8	775.5	760.8	760.8
27.5°	1193.8	1250.1	1188.9	1039.7	922.3	812.2	763.3	746.1	746.1	738.8	743.7
30°	1255.0	1294.1	1171.8	983.4	829.3	729.0	704.5	714.3	731.5	724.1	726.6
32.5°	1355.3	1350.4	1157.1	919.8	731.5	648.3	665.4	685.0	699.7	707.0	711.9
35°	1453.1	1421.3	1140.0	834.2	640.9	609.1	623.8	645.8	672.7	680.1	682.5
37.5°	1551.0	1494.7	1110.6	729.0	584.7	574.9	589.6	601.8	623.8	628.7	633.6
40°	1653.7	1543.6	1059.3	626.3	538.2	538.2	548.0	550.4	562.7	570.0	574.9
42.5°	1744.2	1590.1	966.3	530.9	489.3	506.4	508.8	503.9	494.2	499.1	501.5
45°	1854.3	1641.5	858.7	462.4	452.6	474.6	479.5	459.9	442.8	433.0	428.1
47.5°	1962.0	1695.3	765.7	406.1	418.3	452.6	452.6	430.6	401.2	376.7	367.0
50°	2059.8	1749.1	689.9	371.8	384.1	435.4	440.3	398.8	367.0	337.6	332.7
52.5°	2223.7	1839.6	611.6	344.9	364.5	423.2	420.8	384.1	342.5	310.7	308.2
55°	2368.1	1930.2	508.8	318.0	344.9	406.1	413.4	369.4	313.1	283.8	278.9
57.5°	2473.2	1952.2	406.1	291.1	325.4	386.5	396.3	340.0	293.6	269.1	266.7
60°	2492.8	1866.6	330.3	269.1	298.5	359.6	367.0	322.9	278.9	259.3	254.4
62.5°	2402.3	1702.6	281.3	249.5	276.4	332.7	347.4	303.3	264.2	247.1	244.6
65°	2196.8	1462.9	247.1	232.4	261.8	313.1	330.3	288.7	252.0	237.3	234.8
67.5°	1739.3	1122.9	220.2	220.2	242.2	293.6	318.0	278.9	239.7	230.0	227.5
70°	1137.5	675.2	200.6	203.0	227.5	276.4	303.3	266.7	225.1	222.6	217.7
72.5°	489.3	310.7	178.6	185.9	205.5	247.1	281.3	249.5	207.9	200.6	193.3
75°	225.1	188.4	161.5	166.4	183.5	217.7	254.4	230.0	193.3	181.0	173.7
77.5°	159.0	137.0	134.5	144.3	156.6	188.4	225.1	215.3	178.6	168.8	163.9
80°	117.4	105.2	112.5	122.3	129.7	173.7	212.8	198.2	163.9	149.2	141.9
82.5°	83.2	78.3	88.1	97.9	105.2	151.7	195.7	173.7	137.0	124.8	112.5
85°	48.9	51.4	61.2	66.1	73.4	112.5	163.9	139.4	105.2	80.7	78.3
87.5°	22.0	22.0	29.4	31.8	36.7	66.1	110.1	88.1	66.1	51.4	48.9
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)