

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: P672313

Luminaire Tested: **CCP-SA-1E-835-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672313  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-835-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

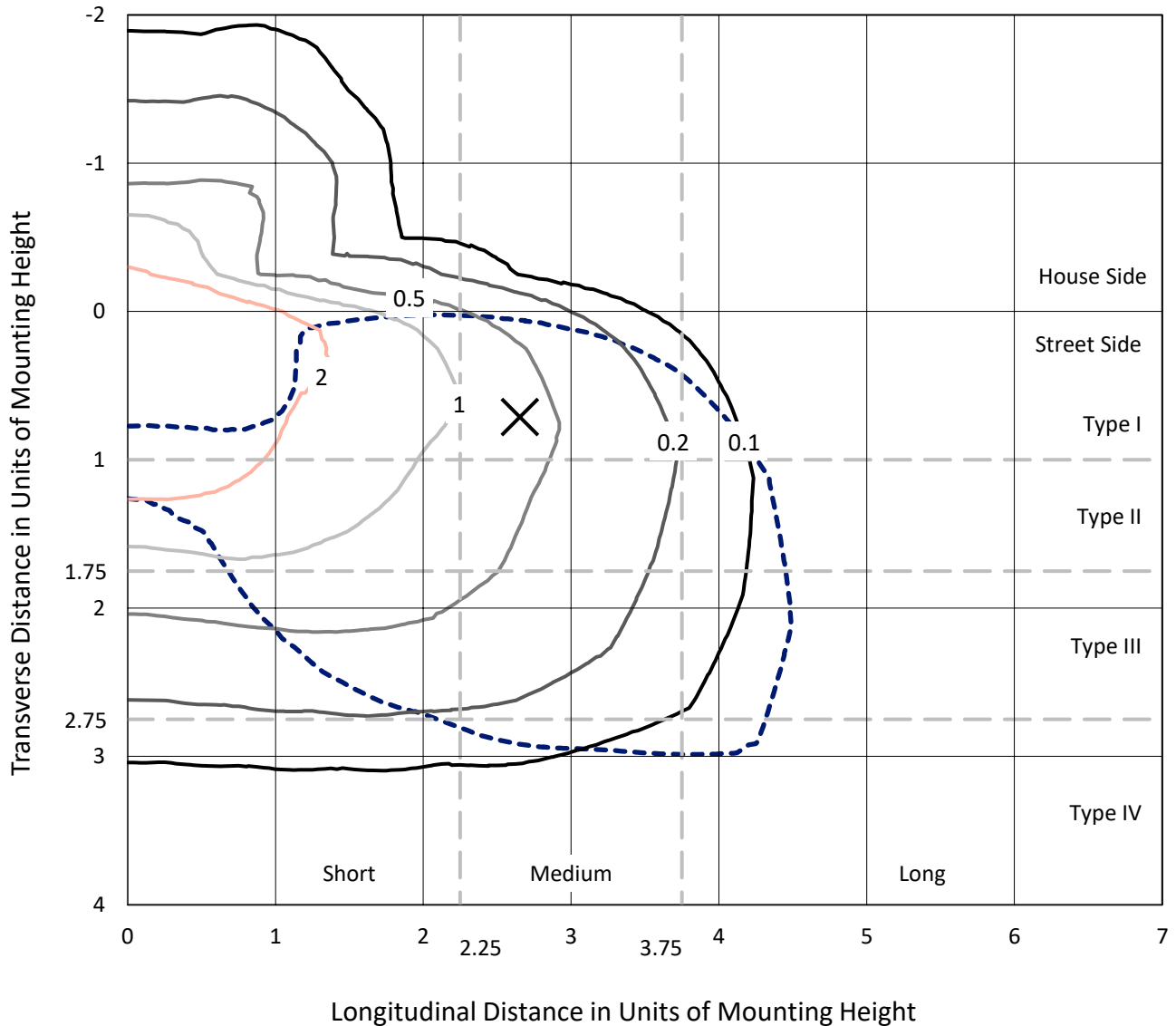
Lumens per Lamp: N/A  
Luminaire Lumens: 5726 lumens  
Efficiency: N/A  
Efficacy: 102.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
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: P672313  
 CATALOG NUMBER: CCP-SA-1E-835-U-T3R

### Iso-Footcandle Lines of Horizontal Illumination

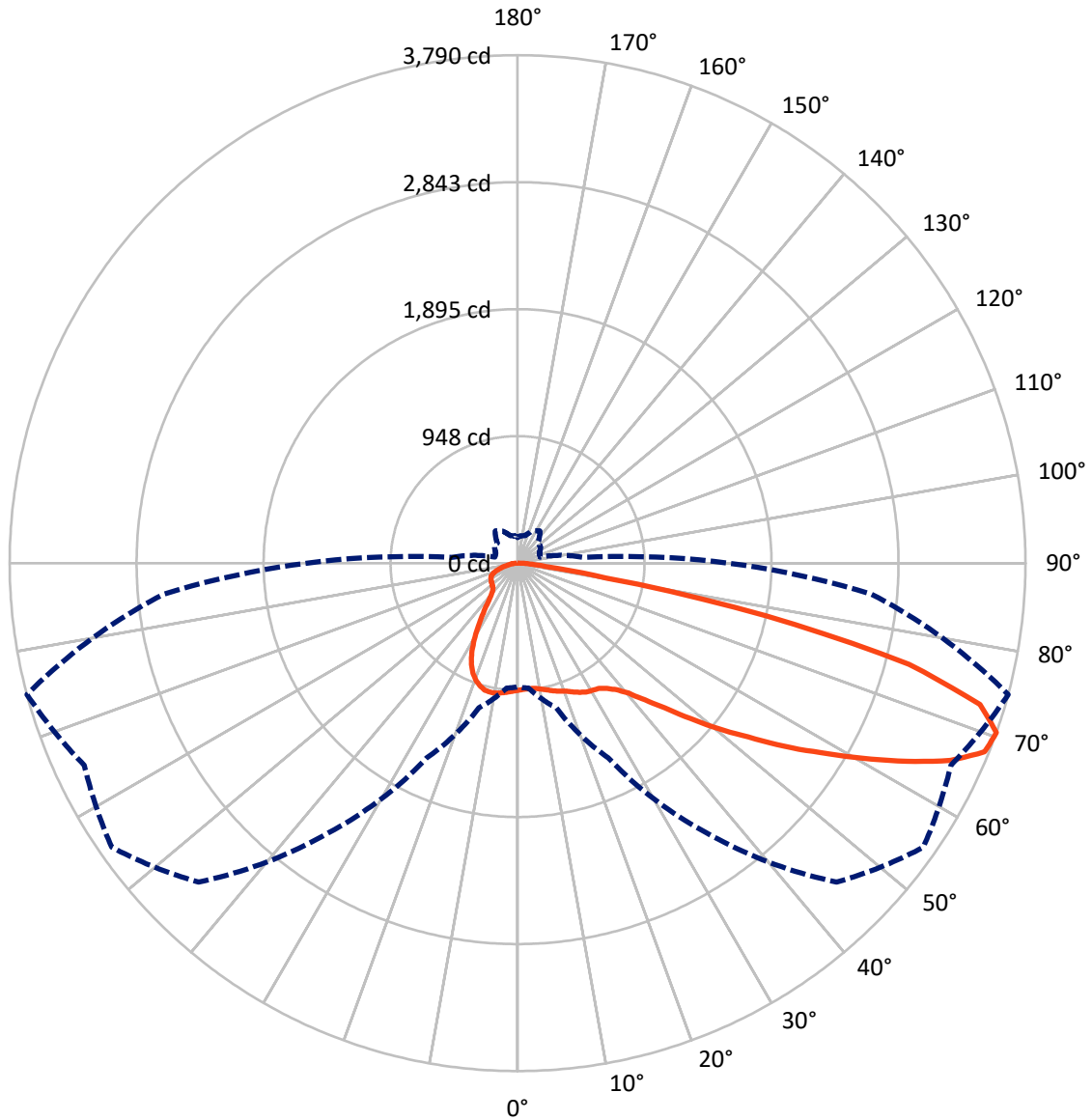
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P672313  
CATALOG NUMBER: CCP-SA-1E-835-U-T3R

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical



REPORT NUMBER: P672313  
 CATALOG NUMBER: CCP-SA-1E-835-U-T3R

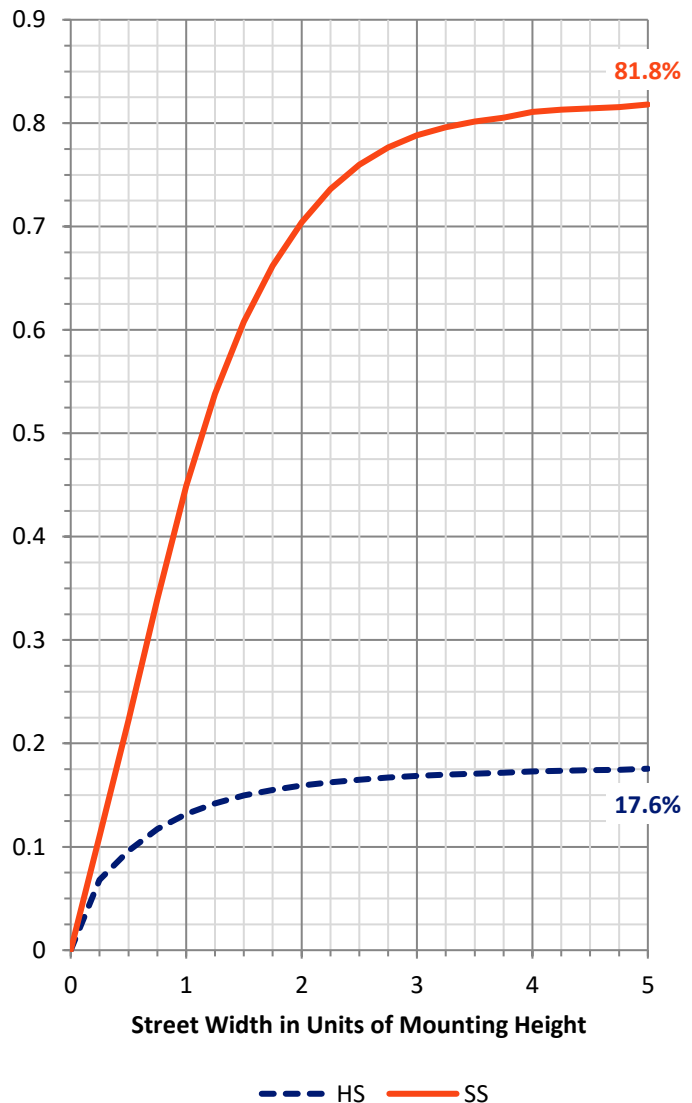
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1018.7	0.0	1018.7
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	4707.2	0.0	4707.2
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	5726.0	0.0	5726.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.2	1.5
10°-20°	227.4	4.0
20°-30°	383.1	6.7
30°-40°	581.9	10.2
40°-50°	833.6	14.6
50°-60°	1105.2	19.3
60°-70°	1383.1	24.2
70°-80°	1010.0	17.6
80°-90°	116.5	2.0
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°	5726.0	100.0
0°-180°	5726.0	100.0



REPORT NUMBER: P672313

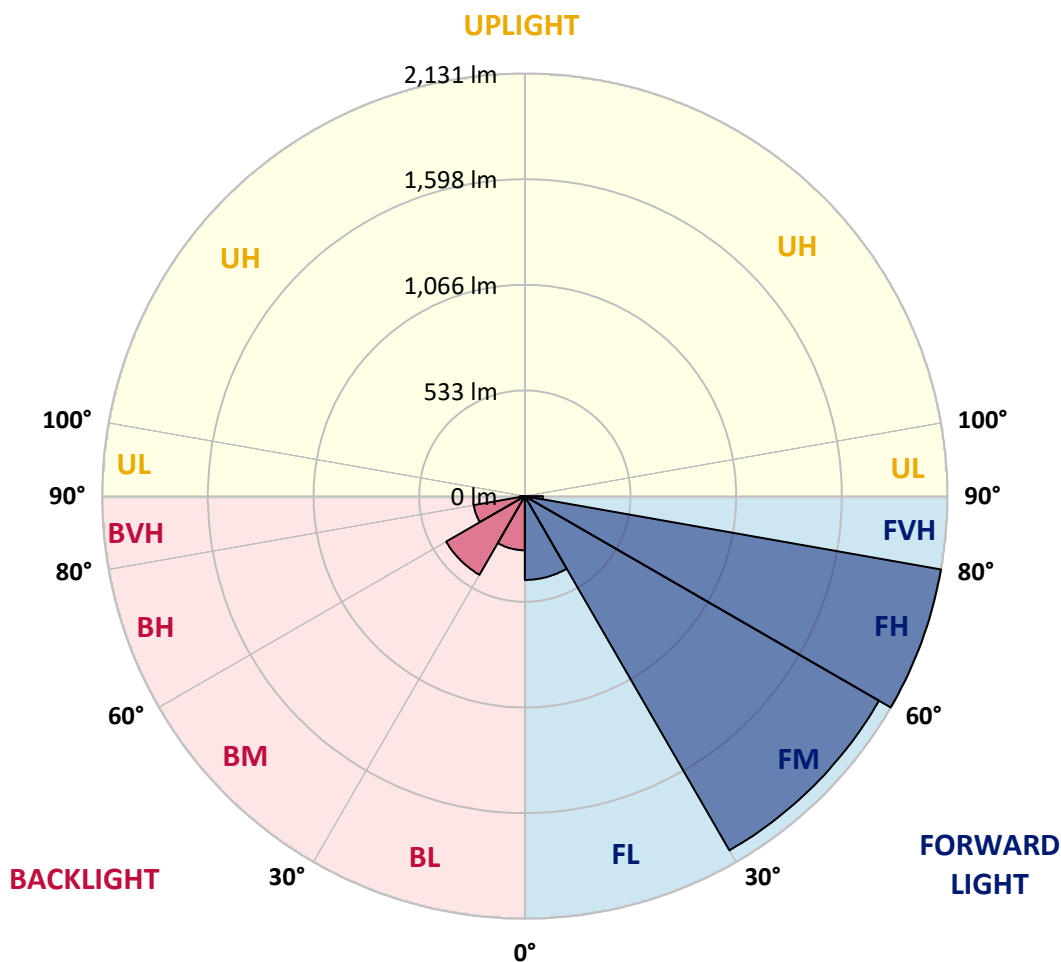
CATALOG NUMBER: CCP-SA-1E-835-U-T3R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.6	7.4			
FM (30°-60°)	2062.7	36.0			
FH (60°-80°)	2131.1	37.2			G2/5000
FVH (80°-90°)	90.9	1.6			G1/100
BL (0°-30°)	273.1	4.8	B1/500		
BM (30°-60°)	458.0	8.0	B1/1000		
BH (60°-80°)	262.0	4.6	B1/500		G1/500
BVH (80°-90°)	25.6	0.4			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 Medium





REPORT NUMBER: P672313  
 CATALOG NUMBER: CCP-SA-1E-835-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	896.6	901.5	906.0	910.6	914.3	924.2	926.2	936.9	939.8	942.3	945.6
5°	846.3	850.0	854.5	862.0	869.8	887.5	899.9	923.3	936.5	940.6	952.2
7.5°	819.1	820.3	826.5	832.7	841.8	859.1	876.0	912.6	939.0	943.5	968.3
10°	799.3	801.0	806.7	815.4	824.5	840.5	861.5	905.2	948.1	955.1	990.1
12.5°	792.3	791.5	798.1	803.9	816.6	836.8	858.7	905.6	960.4	970.3	1021.8
15°	820.3	815.0	819.1	817.0	821.2	840.9	866.9	914.7	975.7	988.0	1054.8
17.5°	882.1	877.6	874.7	857.0	845.5	856.6	881.3	927.5	991.7	1004.9	1084.4
20°	974.4	961.7	951.0	921.3	889.1	885.4	902.7	940.2	1007.0	1019.8	1115.8
22.5°	1079.5	1069.2	1051.9	1000.0	950.1	925.4	929.9	963.7	1029.2	1043.2	1151.6
25°	1212.2	1211.8	1176.3	1106.3	1030.9	981.0	971.6	1001.2	1054.4	1068.0	1181.3
27.5°	1363.4	1353.1	1311.1	1220.8	1126.1	1049.8	1027.6	1039.5	1074.6	1088.6	1205.2
30°	1492.8	1494.0	1451.1	1352.7	1227.4	1117.0	1075.0	1067.1	1087.7	1101.8	1227.4
32.5°	1631.2	1624.2	1585.1	1483.7	1337.0	1189.1	1105.5	1086.9	1101.3	1114.5	1258.3
35°	1761.4	1753.6	1719.8	1610.6	1457.7	1268.6	1146.7	1117.8	1133.5	1147.9	1296.2
37.5°	1885.4	1886.7	1848.3	1744.1	1574.8	1362.6	1207.6	1164.4	1181.3	1197.3	1353.9
40°	1993.8	1987.6	1957.9	1864.0	1696.3	1458.2	1276.4	1227.8	1260.8	1275.6	1426.8
42.5°	2028.4	2028.0	2039.5	1981.8	1824.0	1571.9	1362.2	1326.7	1373.3	1395.5	1516.2
45°	1998.3	2007.4	2074.1	2072.5	1951.8	1702.5	1479.2	1447.0	1514.2	1539.3	1625.4
47.5°	1968.6	1982.2	2072.9	2124.4	2066.3	1846.3	1623.0	1599.1	1695.5	1731.7	1738.7
50°	1925.4	1938.2	2046.1	2131.8	2136.3	1991.7	1809.2	1779.1	1903.1	1940.2	1861.9
52.5°	1877.2	1887.1	1998.7	2126.5	2169.7	2105.4	1991.7	1983.1	2125.6	2155.7	1987.2
55°	1611.0	1653.0	1929.1	2114.9	2192.8	2192.4	2169.3	2197.7	2368.3	2413.2	2126.9
57.5°	1458.2	1480.4	1733.0	2108.3	2236.1	2272.7	2352.7	2413.6	2627.5	2667.9	2281.0
60°	1408.3	1428.1	1634.5	2100.5	2322.2	2398.4	2531.9	2630.8	2906.0	2955.4	2453.2
62.5°	1363.0	1386.9	1594.5	2038.3	2426.4	2597.4	2745.7	2865.6	3199.8	3258.3	2624.6
65°	1270.7	1287.6	1521.2	1986.0	2525.3	2881.3	3054.3	3124.4	3484.5	3550.4	2738.3
67.5°	1111.2	1127.3	1356.0	1865.6	2589.6	3176.7	3391.8	3392.2	3704.5	3758.5	2762.2
70°	923.8	936.1	1117.8	1603.6	2455.7	3366.2	3696.3	3567.3	3766.7	3790.2	2648.5
72.5°	660.5	671.2	818.7	1185.4	2013.6	3212.5	3765.5	3559.9	3615.9	3608.5	2325.0
75°	407.1	427.7	501.4	723.5	1251.3	2527.8	3388.9	3225.7	3036.2	3015.6	1750.7
77.5°	265.3	276.1	339.1	426.9	552.1	1451.1	2573.9	2418.6	1917.1	1893.2	941.1
80°	159.5	177.2	222.1	268.2	250.1	555.0	1469.7	1201.5	677.4	670.0	289.2
82.5°	85.7	101.8	156.6	166.0	140.5	196.1	532.3	390.6	216.7	214.3	108.4
85°	68.0	75.8	112.5	105.1	79.5	99.3	207.7	162.7	111.2	108.8	40.8
87.5°	41.2	51.9	85.3	70.9	39.6	35.8	95.2	77.0	52.3	48.6	16.1
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: P672313  
 CATALOG NUMBER: CCP-SA-1E-835-U-T3R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	951.8	953.8	955.9	951.8	953.4	951.4	951.4	951.4	946.0	944.4	949.3
5°	960.8	963.7	965.4	952.6	944.8	933.2	923.8	909.3	901.1	895.7	895.7
7.5°	979.4	982.7	975.3	946.8	919.2	888.3	856.6	830.2	811.3	803.0	805.5
10°	1006.6	1007.8	983.1	930.8	871.8	814.6	769.7	734.6	711.2	699.2	697.6
12.5°	1038.3	1032.9	984.7	895.3	808.0	730.9	676.1	630.8	600.7	589.2	583.4
15°	1069.6	1056.8	978.6	852.9	735.5	642.8	572.7	529.9	511.3	506.0	503.9
17.5°	1097.6	1073.7	958.0	791.9	651.4	539.8	488.2	473.0	475.1	480.0	482.1
20°	1123.2	1086.5	928.3	719.4	546.3	459.4	446.6	460.6	472.2	479.6	480.8
22.5°	1151.2	1098.9	887.1	631.2	460.2	422.3	437.6	453.6	465.2	472.6	473.8
25°	1172.6	1098.5	829.0	526.6	405.8	412.4	430.6	445.0	453.6	459.0	458.6
27.5°	1186.2	1088.6	752.8	440.5	384.4	405.4	422.7	432.2	437.2	441.3	440.9
30°	1190.3	1069.6	656.8	377.0	374.5	398.8	412.0	417.8	421.5	425.6	425.6
32.5°	1198.6	1040.4	550.9	341.6	367.1	392.2	400.1	404.6	401.7	391.4	389.4
35°	1207.6	1007.8	450.8	325.1	360.1	387.7	395.1	383.2	351.9	347.7	346.1
37.5°	1225.4	977.7	365.9	313.5	358.5	390.2	396.4	348.6	322.2	309.4	307.4
40°	1255.4	947.7	309.0	305.3	360.5	400.9	379.9	332.1	288.4	264.1	260.0
42.5°	1295.0	911.0	276.9	301.2	366.3	418.2	374.1	308.6	260.8	244.3	241.9
45°	1340.7	862.4	261.6	300.4	373.3	426.9	375.8	289.7	248.5	235.7	234.9
47.5°	1388.1	814.6	255.0	299.5	381.9	423.1	353.1	283.9	243.5	239.8	242.3
50°	1439.2	760.2	249.7	297.5	389.0	423.1	340.7	282.6	245.2	253.4	261.6
52.5°	1487.0	714.4	243.5	291.3	391.8	415.7	337.0	287.2	247.6	245.6	248.0
55°	1545.1	691.0	240.2	282.6	386.5	393.1	332.5	299.5	249.7	232.8	232.8
57.5°	1611.4	686.0	235.3	271.1	369.2	361.8	332.1	307.0	244.3	228.7	225.8
60°	1691.4	696.7	229.1	256.7	348.2	337.4	329.2	307.0	235.7	221.7	222.9
62.5°	1756.0	695.5	225.4	243.9	320.1	312.3	323.9	302.8	232.4	220.8	220.4
65°	1771.3	669.1	214.7	227.4	285.5	281.8	318.1	292.5	227.8	216.3	213.0
67.5°	1719.8	609.4	198.6	205.6	248.9	249.3	307.8	278.9	221.7	213.8	208.5
70°	1573.5	492.8	174.7	179.2	209.3	214.7	292.5	262.9	211.4	203.1	190.4
72.5°	1316.8	354.3	147.1	148.3	166.5	180.5	266.2	241.0	196.1	176.8	163.2
75°	974.8	235.3	119.9	118.3	124.8	146.7	227.4	216.7	176.3	146.7	139.7
77.5°	515.4	139.3	92.3	92.7	88.6	112.5	180.5	188.3	156.6	123.6	116.6
80°	176.3	83.6	66.3	69.2	62.6	80.3	133.9	156.6	133.9	103.0	91.1
82.5°	80.8	51.1	47.4	49.4	44.9	54.4	91.9	118.7	106.7	75.0	60.6
85°	40.8	30.5	30.5	33.4	29.7	28.0	50.7	78.7	78.3	51.5	44.5
87.5°	16.9	14.8	14.0	16.1	14.0	10.7	14.4	28.4	41.2	30.9	19.8
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)