

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: P672314

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672314
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-835-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T3R distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

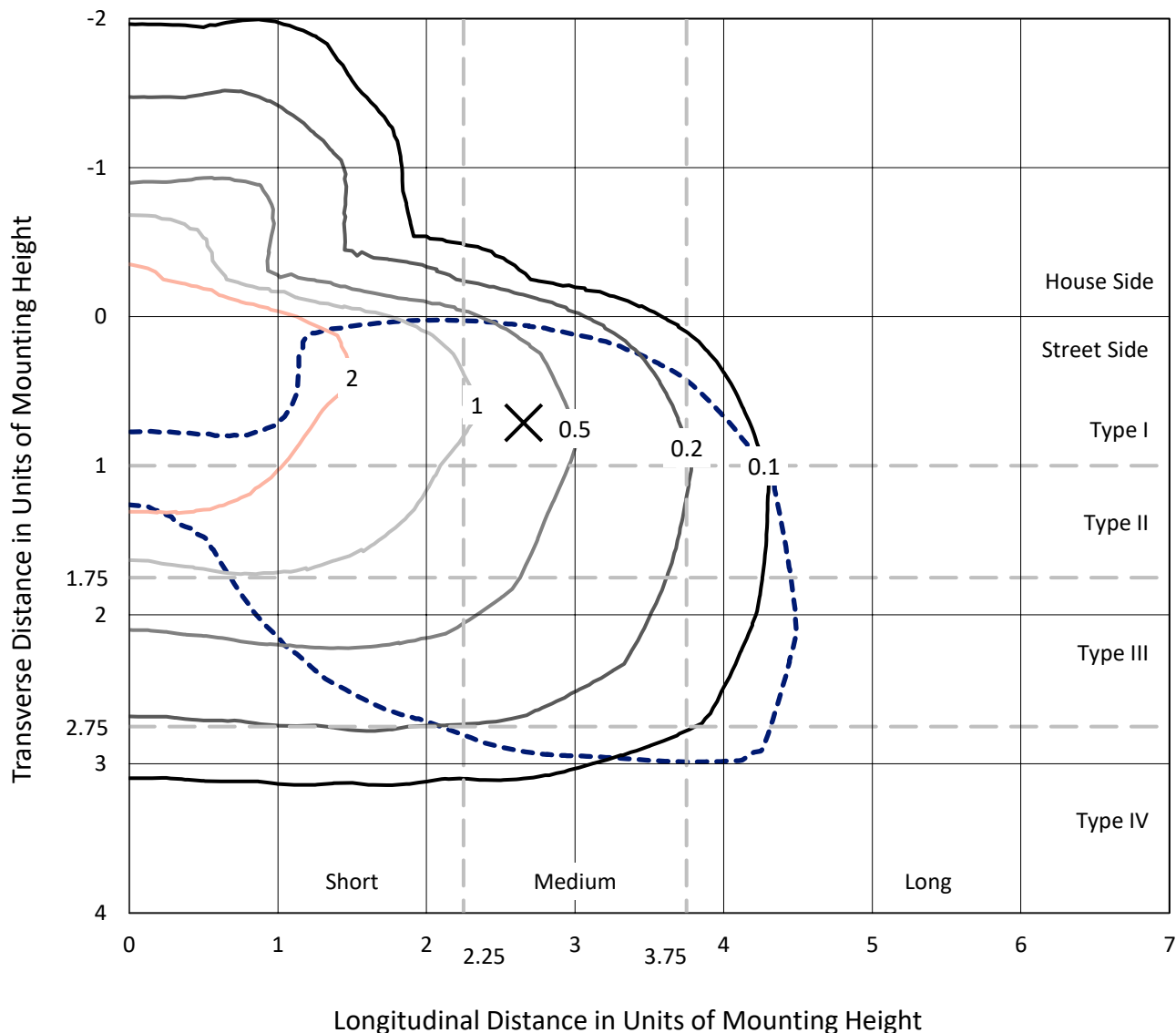
Lumens per Lamp: N/A
Luminaire Lumens: 6279.2 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
Input Voltage (V): 120
Input Current (A_{in}): 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: P672314
 CATALOG NUMBER: CCP-SA-1F-835-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

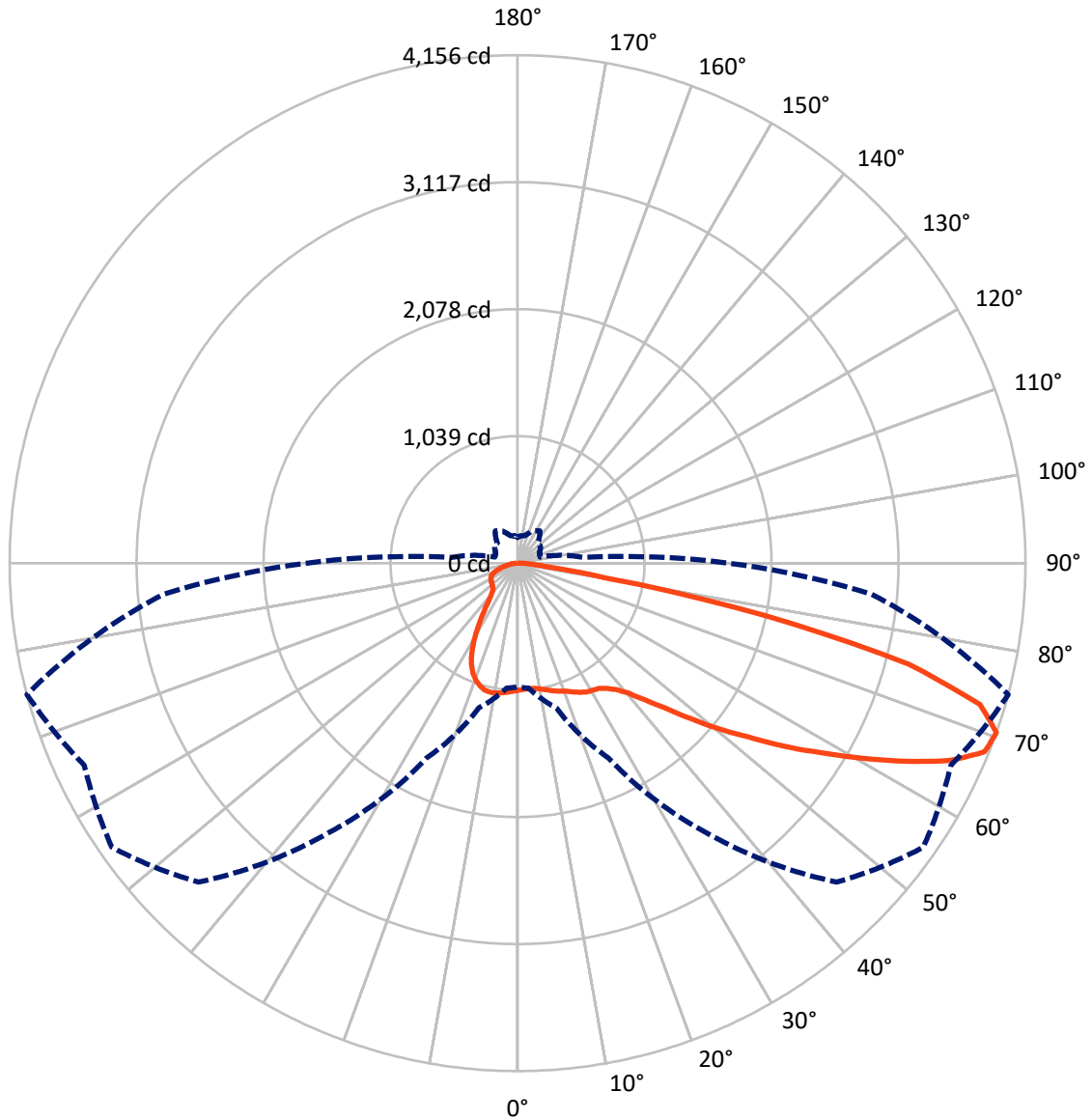
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P672314
CATALOG NUMBER: CCP-SA-1F-835-U-T3R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672314

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

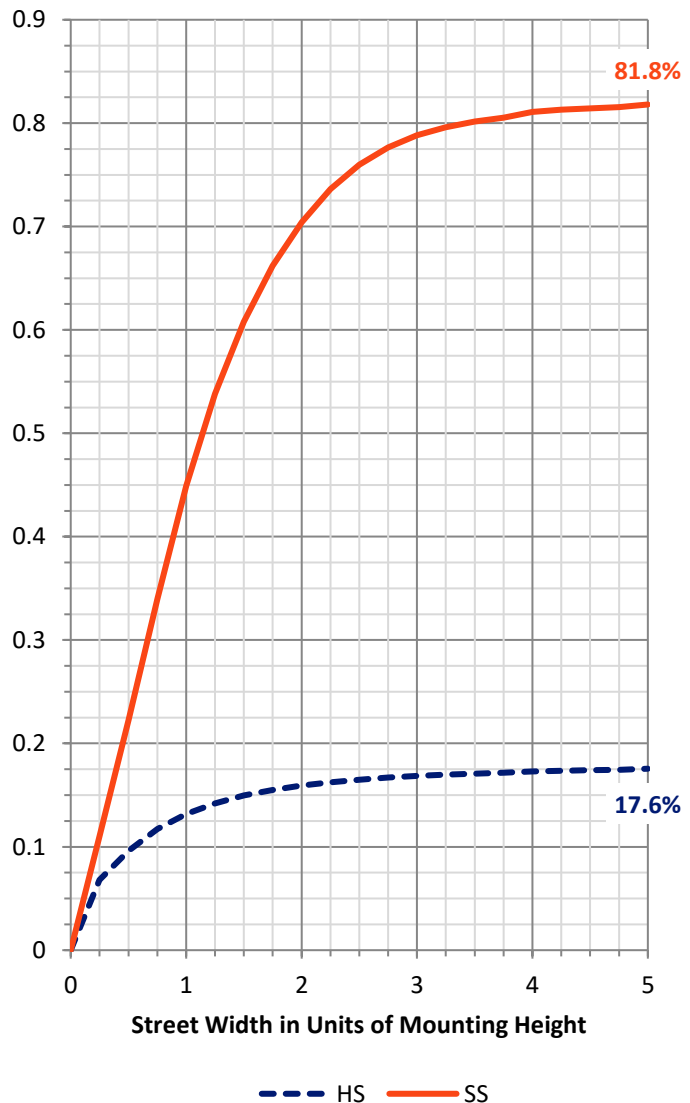
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1117.1	0.0	1117.1
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	5162.1	0.0	5162.1
	% Fixture	82.2	0.0	82.2
Total	Lumens	6279.2	0.0	6279.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	1.5
10°-20°	249.4	4.0
20°-30°	420.1	6.7
30°-40°	638.1	10.2
40°-50°	914.2	14.6
50°-60°	1212.0	19.3
60°-70°	1516.7	24.2
70°-80°	1107.6	17.6
80°-90°	127.7	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°	6279.2	100.0
0°-180°	6279.2	100.0



REPORT NUMBER: P672314

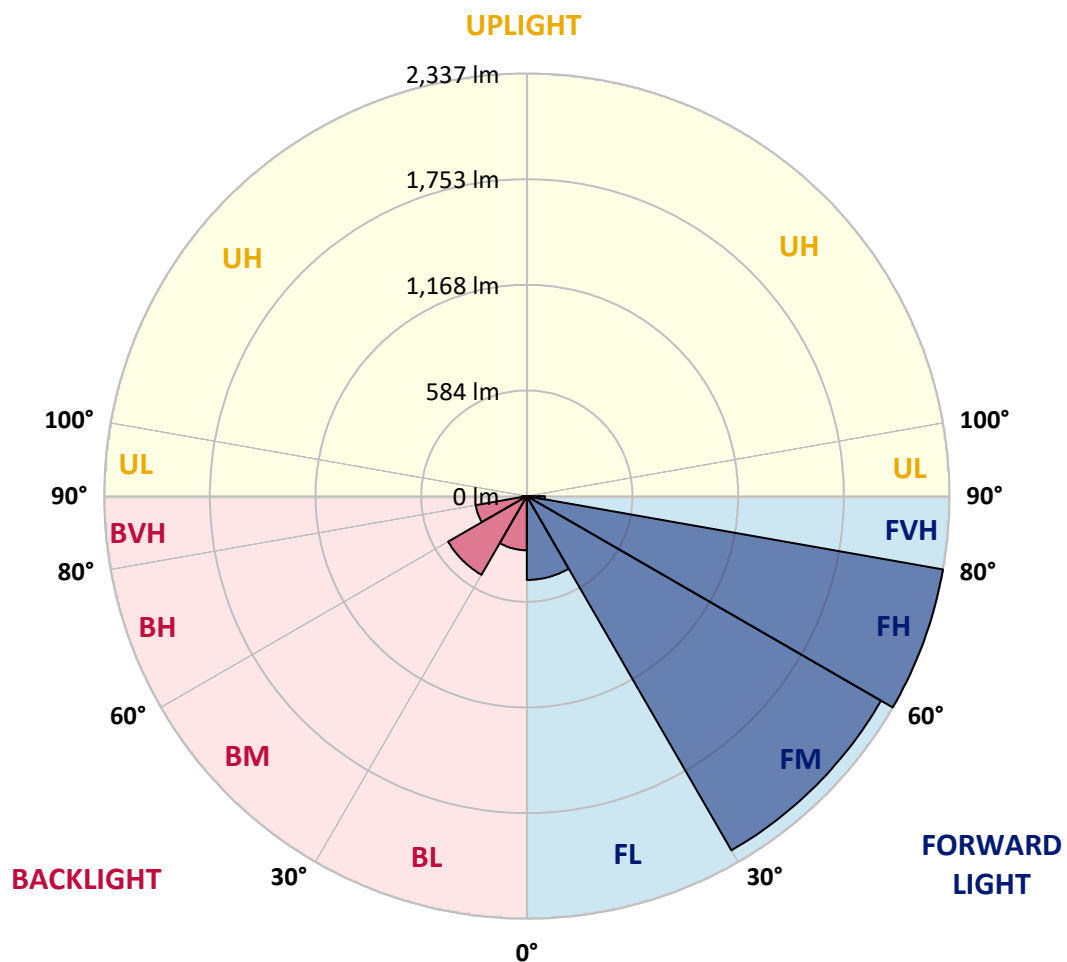
CATALOG NUMBER: CCP-SA-1F-835-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.5	7.4			
FM (30°-60°)	2262.0	36.0			
FH (60°-80°)	2337.0	37.2			G2/5000
FVH (80°-90°)	99.7	1.6			G1/100
BL (0°-30°)	299.5	4.8	B1/500		
BM (30°-60°)	502.3	8.0	B1/1000		
BH (60°-80°)	287.4	4.6	B1/500		G1/500
BVH (80°-90°)	28.1	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: P672314

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1
2.5°	983.2	988.6	993.6	998.6	1002.6	1013.5	1015.7	1027.5	1030.6	1033.3	1037.0
5°	928.1	932.1	937.1	945.2	953.8	973.3	986.8	1012.6	1027.0	1031.5	1044.2
7.5°	898.3	899.6	906.4	913.2	923.1	942.1	960.6	1000.8	1029.7	1034.7	1061.8
10°	876.6	878.4	884.7	894.2	904.1	921.7	944.8	992.7	1039.7	1047.4	1085.8
12.5°	868.9	868.0	875.2	881.5	895.5	917.7	941.6	993.1	1053.2	1064.1	1120.6
15°	899.6	893.7	898.3	896.0	900.5	922.2	950.7	1003.1	1069.9	1083.5	1156.7
17.5°	967.4	962.4	959.2	939.8	927.2	939.4	966.5	1017.1	1087.6	1102.0	1189.2
20°	1068.6	1054.6	1042.8	1010.3	975.1	971.0	990.0	1031.1	1104.3	1118.3	1223.6
22.5°	1183.8	1172.5	1153.5	1096.6	1041.9	1014.8	1019.8	1056.8	1128.7	1144.0	1262.9
25°	1329.3	1328.9	1290.0	1213.2	1130.5	1075.8	1065.4	1098.0	1156.2	1171.2	1295.4
27.5°	1495.1	1483.8	1437.7	1338.8	1234.9	1151.3	1126.9	1140.0	1178.4	1193.8	1321.6
30°	1637.0	1638.4	1591.4	1483.4	1346.0	1224.9	1178.8	1170.3	1192.8	1208.2	1346.0
32.5°	1788.8	1781.1	1738.2	1627.1	1466.2	1304.0	1212.3	1191.9	1207.8	1222.2	1379.9
35°	1931.6	1923.0	1886.0	1766.2	1598.6	1391.2	1257.5	1225.8	1243.0	1258.8	1421.5
37.5°	2067.6	2069.0	2026.9	1912.6	1726.9	1494.2	1324.3	1276.9	1295.4	1313.0	1484.7
40°	2186.4	2179.7	2147.1	2044.1	1860.2	1599.0	1399.8	1346.5	1382.6	1398.9	1564.7
42.5°	2224.4	2223.9	2236.6	2173.3	2000.3	1723.8	1493.8	1454.9	1506.0	1530.4	1662.8
45°	2191.4	2201.3	2274.5	2272.7	2140.3	1867.0	1622.1	1586.8	1660.5	1688.1	1782.5
47.5°	2158.9	2173.8	2273.2	2329.7	2266.0	2024.7	1779.8	1753.6	1859.3	1899.1	1906.7
50°	2111.4	2125.4	2243.8	2337.8	2342.8	2184.2	1984.0	1951.0	2087.0	2127.7	2041.8
52.5°	2058.6	2069.4	2191.9	2331.9	2379.4	2308.9	2184.2	2174.7	2331.0	2364.0	2179.2
55°	1766.7	1812.8	2115.5	2319.3	2404.7	2404.2	2378.9	2410.1	2597.2	2646.4	2332.4
57.5°	1599.0	1623.4	1900.4	2312.0	2452.1	2492.3	2580.0	2646.9	2881.4	2925.6	2501.4
60°	1544.4	1566.1	1792.4	2303.5	2546.6	2630.1	2776.5	2885.0	3186.8	3241.0	2690.2
62.5°	1494.7	1520.9	1748.6	2235.2	2660.9	2848.4	3011.0	3142.5	3509.0	3573.1	2878.2
65°	1393.5	1412.0	1668.2	2177.9	2769.3	3159.7	3349.5	3426.3	3821.2	3893.5	3002.9
67.5°	1218.6	1236.2	1487.0	2045.9	2839.8	3483.7	3719.5	3720.0	4062.5	4121.7	3029.1
70°	1013.0	1026.6	1225.8	1758.5	2692.9	3691.5	4053.4	3912.0	4130.7	4156.4	2904.4
72.5°	724.3	736.0	897.8	1299.9	2208.1	3523.0	4129.3	3903.9	3965.3	3957.2	2549.7
75°	446.4	469.0	549.9	793.4	1372.2	2772.0	3716.4	3537.4	3329.6	3307.0	1919.9
77.5°	291.0	302.7	371.9	468.1	605.5	1591.4	2822.6	2652.3	2102.4	2076.2	1032.0
80°	174.9	194.3	243.5	294.1	274.3	608.6	1611.7	1317.6	742.8	734.7	317.2
82.5°	94.0	111.6	171.7	182.1	154.1	215.1	583.8	428.3	237.7	235.0	118.8
85°	74.6	83.1	123.4	115.2	87.2	108.9	227.7	178.5	122.0	119.3	44.7
87.5°	45.2	56.9	93.5	77.7	43.4	39.3	104.4	84.5	57.4	53.3	17.6
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: P672314
 CATALOG NUMBER: CCP-SA-1F-835-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1
2.5°	1043.7	1046.0	1048.3	1043.7	1045.5	1043.3	1043.3	1043.3	1037.4	1035.6	1041.0
5°	1053.7	1056.8	1058.7	1044.6	1036.1	1023.4	1013.0	997.2	988.2	982.3	982.3
7.5°	1074.0	1077.6	1069.5	1038.3	1008.0	974.2	939.4	910.5	889.7	880.6	883.3
10°	1103.8	1105.2	1078.1	1020.7	956.1	893.3	844.0	805.6	779.9	766.8	765.0
12.5°	1138.6	1132.8	1079.9	981.8	886.1	801.6	741.5	691.8	658.8	646.1	639.8
15°	1173.0	1159.0	1073.1	935.3	806.5	704.9	628.1	581.1	560.7	554.9	552.6
17.5°	1203.7	1177.5	1050.5	868.4	714.4	591.9	535.4	518.7	521.0	526.4	528.6
20°	1231.7	1191.5	1018.0	788.9	599.1	503.8	489.8	505.2	517.8	525.9	527.3
22.5°	1262.4	1205.0	972.8	692.2	504.7	463.1	479.9	497.5	510.1	518.3	519.6
25°	1285.9	1204.6	909.1	577.4	445.1	452.3	472.2	488.0	497.5	503.3	502.9
27.5°	1300.8	1193.8	825.5	483.0	421.6	444.6	463.6	474.0	479.4	483.9	483.5
30°	1305.4	1173.0	720.2	413.4	410.7	437.4	451.8	458.2	462.2	466.7	466.7
32.5°	1314.4	1140.9	604.1	374.6	402.6	430.1	438.7	443.7	440.5	429.2	427.0
35°	1324.3	1105.2	494.3	356.5	394.9	425.2	433.3	420.2	385.9	381.3	379.5
37.5°	1343.8	1072.2	401.2	343.8	393.1	427.9	434.7	382.3	353.3	339.3	337.1
40°	1376.7	1039.2	338.9	334.8	395.4	439.6	416.6	364.2	316.3	289.6	285.1
42.5°	1420.1	999.0	303.6	330.3	401.7	458.6	410.3	338.4	286.0	267.9	265.2
45°	1470.3	945.7	286.9	329.4	409.4	468.1	412.1	317.6	272.5	258.5	257.5
47.5°	1522.2	893.3	279.7	328.5	418.9	464.0	387.2	311.3	267.0	263.0	265.7
50°	1578.3	833.6	273.8	326.2	426.5	464.0	373.7	310.0	268.8	277.9	286.9
52.5°	1630.7	783.5	267.0	319.4	429.7	455.9	369.6	314.9	271.6	269.3	272.0
55°	1694.4	757.7	263.4	310.0	423.8	431.1	364.6	328.5	273.8	255.3	255.3
57.5°	1767.1	752.3	258.0	297.3	404.8	396.7	364.2	336.6	267.9	250.8	247.6
60°	1854.8	764.1	251.2	281.5	381.8	370.1	361.0	336.6	258.5	243.1	244.4
62.5°	1925.7	762.7	247.2	267.5	351.1	342.5	355.1	332.1	254.8	242.2	241.7
65°	1942.4	733.8	235.4	249.4	313.1	309.1	348.8	320.8	249.9	237.2	233.6
67.5°	1886.0	668.3	217.8	225.5	272.9	273.4	337.5	305.9	243.1	234.5	228.6
70°	1725.6	540.4	191.6	196.5	229.5	235.4	320.8	288.3	231.8	222.8	208.7
72.5°	1444.1	388.6	161.3	162.7	182.5	197.9	291.9	264.3	215.1	193.8	178.9
75°	1069.0	258.0	131.5	129.7	136.9	160.9	249.4	237.7	193.4	160.9	153.2
77.5°	565.2	152.7	101.2	101.7	97.1	123.4	197.9	206.5	171.7	135.6	127.9
80°	193.4	91.7	72.7	75.9	68.7	88.1	146.8	171.7	146.8	113.0	99.9
82.5°	88.6	56.0	52.0	54.2	49.3	59.6	100.8	130.1	117.0	82.2	66.4
85°	44.7	33.4	33.4	36.6	32.5	30.7	55.6	86.3	85.8	56.5	48.8
87.5°	18.5	16.3	15.4	17.6	15.4	11.7	15.8	31.2	45.2	33.9	21.7
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)