

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: P672271

Luminaire Tested: **CCP-SA-2A-750-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672271
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-750-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

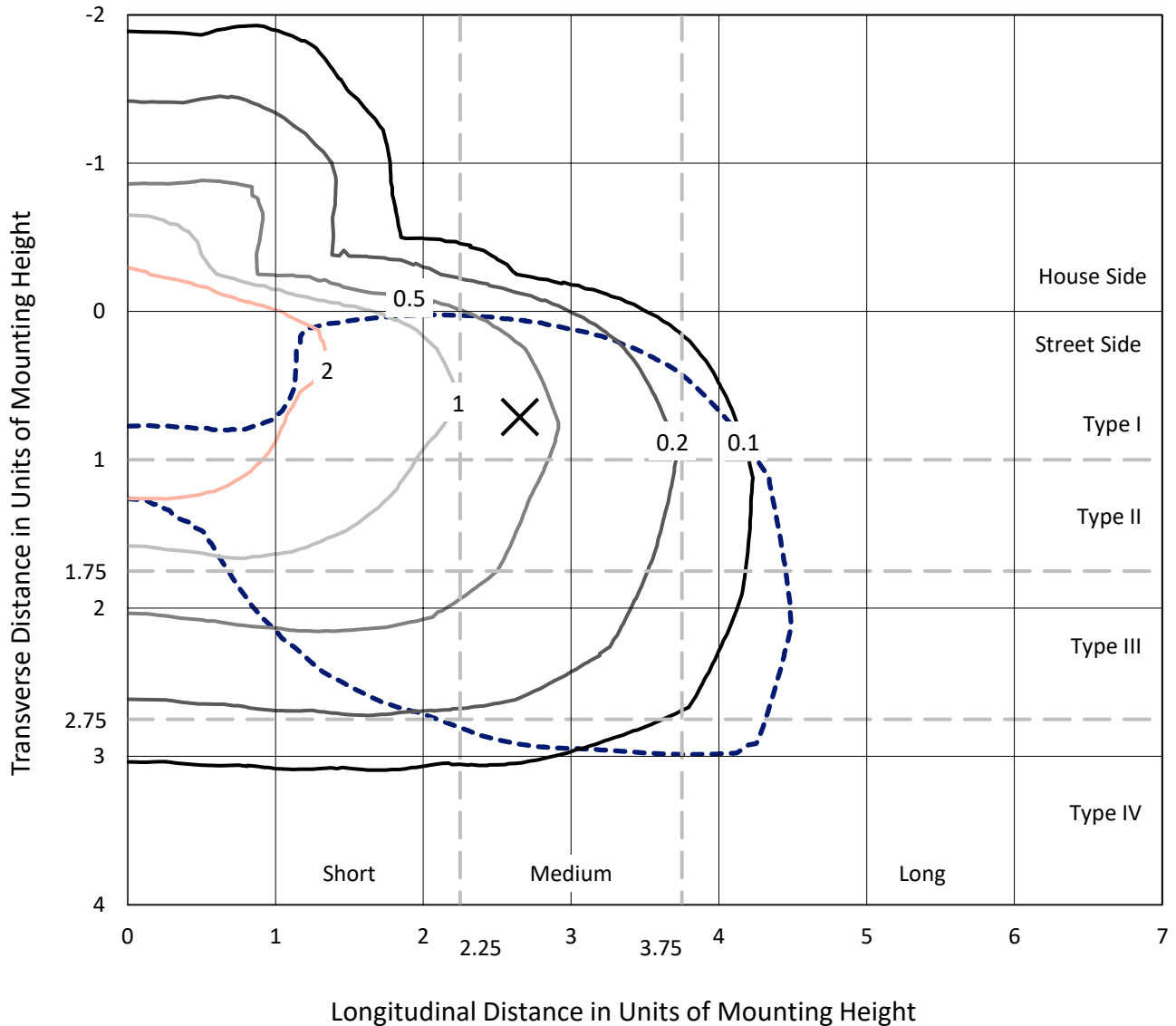
Lumens per Lamp: N/A
Luminaire Lumens: 5688.6 lumens
Efficiency: N/A
Efficacy: 157.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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

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Iso-Footcandle Lines of Horizontal Illumination

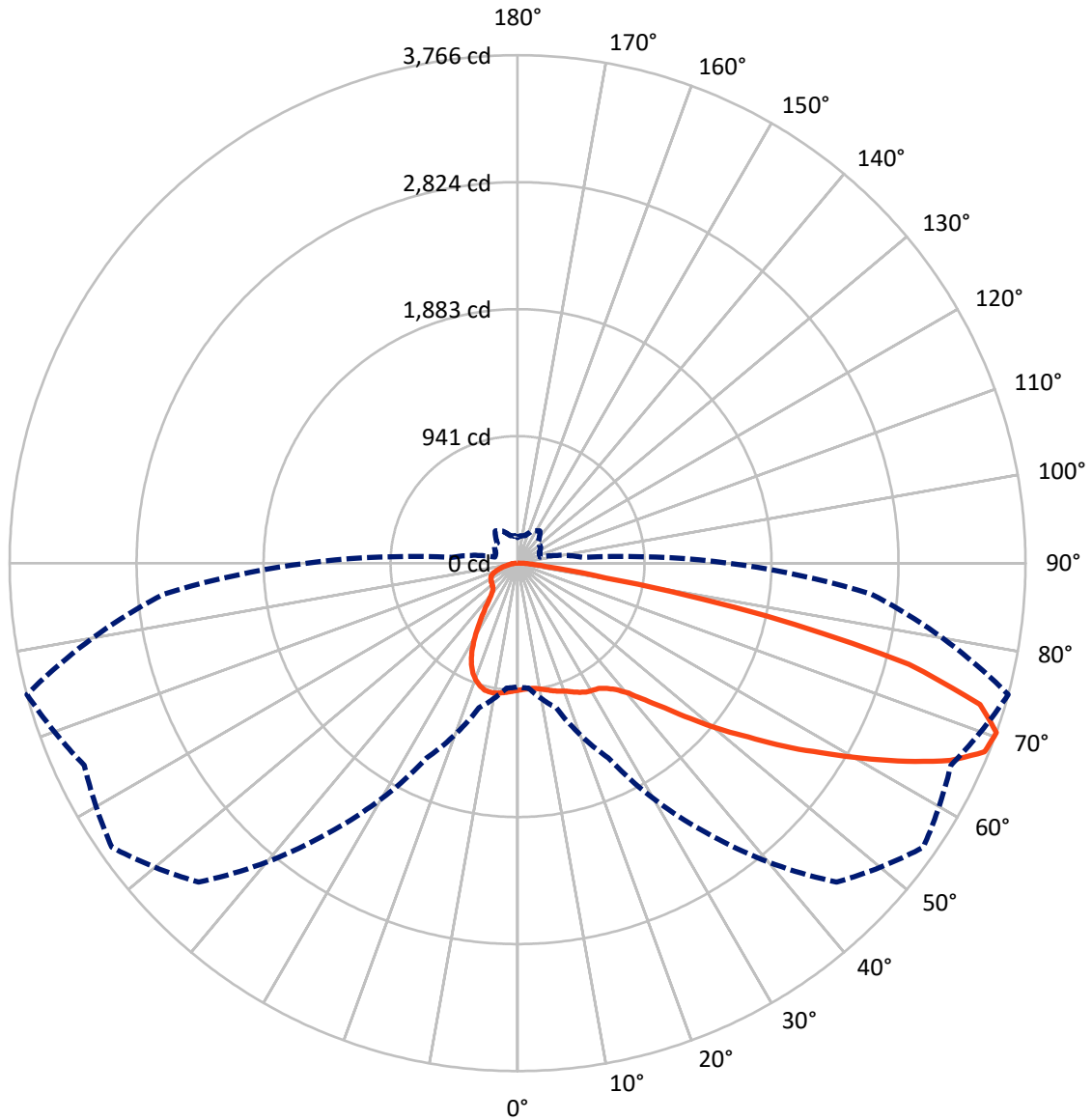
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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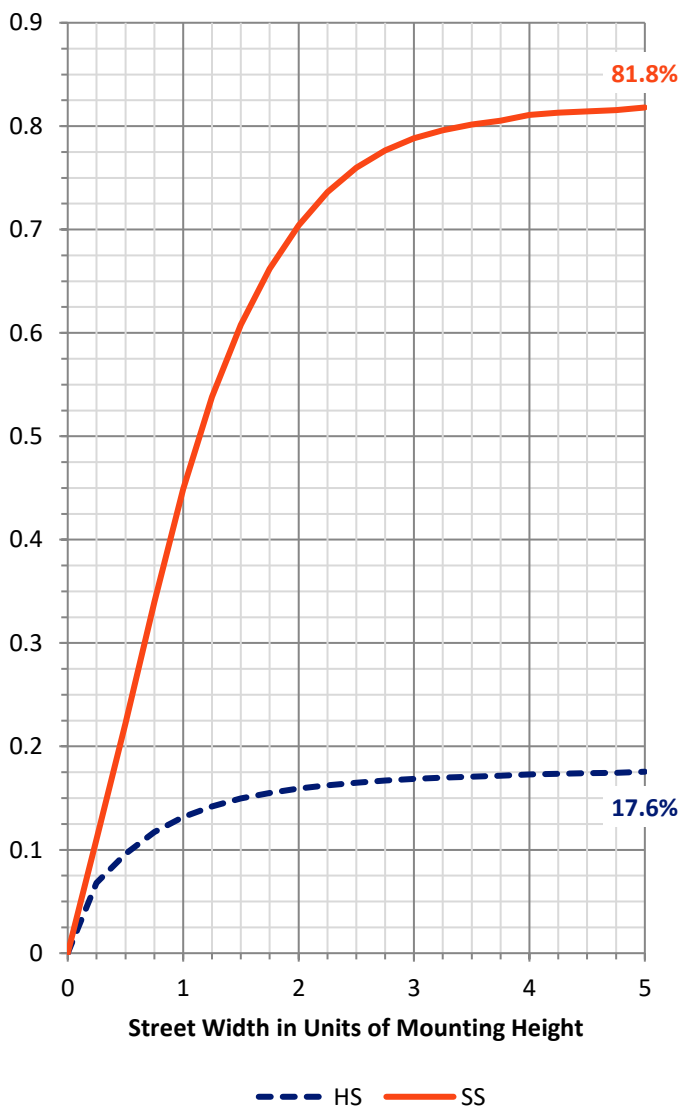
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1012.1	0.0	1012.1
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4676.5	0.0	4676.5
	% Fixture	82.2	0.0	82.2
Total	Lumens	5688.6	0.0	5688.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	1.5
10°-20°	225.9	4.0
20°-30°	380.6	6.7
30°-40°	578.1	10.2
40°-50°	828.2	14.6
50°-60°	1098.0	19.3
60°-70°	1374.1	24.2
70°-80°	1003.4	17.6
80°-90°	115.7	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°	5688.6	100.0
0°-180°	5688.6	100.0



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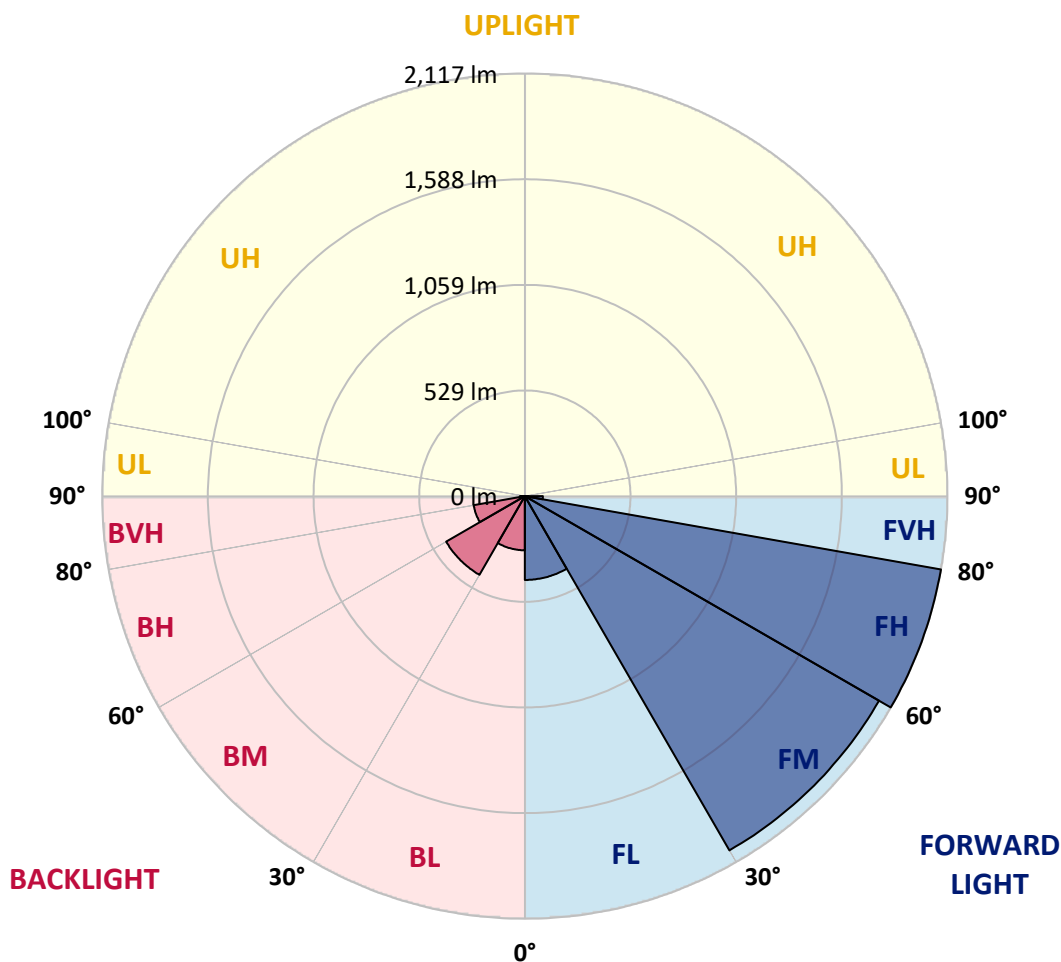
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	419.9	7.4			
FM (30°-60°)	2049.2	36.0			
FH (60°-80°)	2117.1	37.2			G2/5000
FVH (80°-90°)	90.3	1.6			G1/100
BL (0°-30°)	271.3	4.8	B1/500		
BM (30°-60°)	455.0	8.0	B1/1000		
BH (60°-80°)	260.3	4.6	B1/500		G1/500
BVH (80°-90°)	25.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	942.3	942.3	942.3	942.3	942.3	942.3	942.3	942.3	942.3	942.3	942.3
2.5°	890.7	895.6	900.1	904.6	908.3	918.1	920.2	930.8	933.7	936.1	939.4
5°	840.8	844.5	849.0	856.3	864.1	881.7	894.0	917.3	930.4	934.5	946.0
7.5°	813.8	815.0	821.1	827.3	836.3	853.5	870.2	906.7	932.9	937.4	961.9
10°	794.1	795.7	801.5	810.1	819.1	835.0	855.9	899.3	941.9	948.8	983.6
12.5°	787.1	786.3	792.9	798.6	811.3	831.4	853.1	899.7	954.2	964.0	1015.1
15°	815.0	809.7	813.8	811.7	815.8	835.4	861.2	908.7	969.3	981.6	1047.9
17.5°	876.4	871.9	869.0	851.4	840.0	851.0	875.6	921.4	985.3	998.4	1077.4
20°	968.1	955.4	944.7	915.3	883.3	879.7	896.8	934.1	1000.4	1013.1	1108.5
22.5°	1072.5	1062.2	1045.0	993.5	943.9	919.4	923.9	957.4	1022.5	1036.4	1144.1
25°	1204.3	1203.8	1168.6	1099.1	1024.2	974.6	965.2	994.7	1047.5	1061.0	1173.6
27.5°	1354.5	1344.3	1302.5	1212.9	1118.7	1043.0	1020.9	1032.7	1067.5	1081.5	1197.3
30°	1483.0	1484.2	1441.7	1343.8	1219.4	1109.7	1068.0	1060.2	1080.6	1094.6	1219.4
32.5°	1620.6	1613.6	1574.7	1474.0	1328.3	1181.3	1098.2	1079.8	1094.1	1107.2	1250.1
35°	1749.9	1742.1	1708.6	1600.1	1448.2	1260.3	1139.2	1110.5	1126.1	1140.4	1287.8
37.5°	1873.1	1874.3	1836.3	1732.7	1564.5	1353.7	1199.8	1156.8	1173.6	1189.5	1345.1
40°	1980.8	1974.6	1945.2	1851.8	1685.2	1448.6	1268.1	1219.8	1252.6	1267.3	1417.5
42.5°	2015.1	2014.7	2026.2	1968.9	1812.1	1561.6	1353.3	1318.1	1364.3	1386.4	1506.3
45°	1985.3	1994.3	2060.6	2058.9	1939.0	1691.4	1469.5	1437.6	1504.3	1529.3	1614.8
47.5°	1955.8	1969.3	2059.4	2110.5	2052.8	1834.2	1612.4	1588.6	1684.4	1720.4	1727.4
50°	1912.8	1925.5	2032.7	2117.9	2122.4	1978.7	1797.4	1767.5	1890.7	1927.6	1849.8
52.5°	1864.9	1874.7	1985.7	2112.6	2155.5	2091.7	1978.7	1970.1	2111.8	2141.6	1974.2
55°	1600.5	1642.2	1916.5	2101.1	2178.5	2178.1	2155.1	2183.4	2352.8	2397.5	2113.0
57.5°	1448.6	1470.7	1721.7	2094.6	2221.5	2257.9	2337.3	2397.9	2610.3	2650.4	2266.1
60°	1399.1	1418.7	1623.8	2086.8	2307.0	2382.7	2515.4	2613.6	2887.0	2936.1	2437.2
62.5°	1354.1	1377.8	1584.1	2025.0	2410.6	2580.4	2727.8	2846.9	3178.9	3237.0	2607.5
65°	1262.4	1279.2	1511.3	1973.0	2508.8	2862.5	3034.4	3104.0	3461.7	3527.2	2720.4
67.5°	1104.0	1119.9	1347.1	1853.5	2572.7	3156.0	3369.6	3370.0	3680.3	3733.9	2744.2
70°	917.7	930.0	1110.5	1593.1	2439.6	3344.3	3672.1	3544.0	3742.1	3765.5	2631.2
72.5°	656.2	666.8	813.3	1177.7	2000.4	3191.6	3740.9	3536.6	3592.3	3584.9	2309.9
75°	404.4	424.9	498.2	718.8	1243.1	2511.3	3366.8	3204.7	3016.4	2995.9	1739.3
77.5°	263.6	274.3	336.9	424.1	548.5	1441.7	2557.1	2402.8	1904.6	1880.9	934.9
80°	158.4	176.0	220.6	266.5	248.5	551.4	1460.1	1193.6	672.9	665.6	287.4
82.5°	85.1	101.1	155.5	165.0	139.6	194.8	528.9	388.0	215.3	212.9	107.7
85°	67.5	75.3	111.7	104.4	79.0	98.6	206.3	161.7	110.5	108.1	40.5
87.5°	40.9	51.6	84.7	70.4	39.3	35.6	94.6	76.5	52.0	48.3	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	942.3	942.3	942.3	942.3	942.3	942.3	942.3	942.3	942.3	942.3	942.3
2.5°	945.6	947.6	949.7	945.6	947.2	945.2	945.2	945.2	939.8	938.2	943.1
5°	954.6	957.4	959.1	946.4	938.6	927.1	917.7	903.4	895.2	889.9	889.9
7.5°	973.0	976.3	968.9	940.6	913.2	882.5	851.0	824.8	806.0	797.8	800.2
10°	1000.0	1001.2	976.7	924.7	866.1	809.3	764.6	729.8	706.5	694.6	693.0
12.5°	1031.5	1026.2	978.3	889.5	802.7	726.2	671.7	626.7	596.8	585.3	579.6
15°	1062.6	1049.9	972.2	847.3	730.7	638.6	569.0	526.4	508.0	502.7	500.6
17.5°	1090.5	1066.7	951.7	786.7	647.2	536.2	485.1	469.9	472.0	476.9	478.9
20°	1115.8	1079.4	922.2	714.7	542.8	456.4	443.7	457.6	469.1	476.5	477.7
22.5°	1143.7	1091.7	881.3	627.1	457.2	419.6	434.7	450.7	462.1	469.5	470.7
25°	1165.0	1091.3	823.6	523.1	403.2	409.7	427.8	442.1	450.7	456.0	455.6
27.5°	1178.5	1081.5	747.9	437.6	381.9	402.8	420.0	429.4	434.3	438.4	438.0
30°	1182.6	1062.6	652.5	374.5	372.1	396.2	409.3	415.1	418.7	422.8	422.8
32.5°	1190.8	1033.6	547.3	339.3	364.7	389.7	397.5	402.0	399.1	388.9	386.8
35°	1199.8	1001.2	447.8	323.0	357.8	385.2	392.6	380.7	349.6	345.5	343.8
37.5°	1217.4	971.3	363.5	311.5	356.1	387.6	393.8	346.3	320.1	307.4	305.4
40°	1247.2	941.5	307.0	303.3	358.2	398.3	377.4	329.9	286.5	262.4	258.3
42.5°	1286.5	905.0	275.1	299.2	363.9	415.5	371.7	306.6	259.1	242.7	240.3
45°	1332.0	856.7	259.9	298.4	370.9	424.1	373.3	287.8	246.8	234.1	233.3
47.5°	1379.0	809.3	253.4	297.6	379.5	420.4	350.8	282.0	241.9	238.2	240.7
50°	1429.8	755.2	248.1	295.5	386.4	420.4	338.5	280.8	243.6	251.7	259.9
52.5°	1477.3	709.8	241.9	289.4	389.3	413.0	334.8	285.3	246.0	244.0	246.4
55°	1535.0	686.5	238.6	280.8	384.0	390.5	330.3	297.6	248.1	231.3	231.3
57.5°	1600.9	681.5	233.7	269.3	366.8	359.4	329.9	305.0	242.7	227.2	224.3
60°	1680.3	692.2	227.6	255.0	345.9	335.2	327.1	305.0	234.1	220.2	221.4
62.5°	1744.6	691.0	223.9	242.3	318.1	310.3	321.7	300.9	230.9	219.4	219.0
65°	1759.7	664.8	213.3	226.0	283.7	280.0	316.0	290.6	226.4	214.9	211.6
67.5°	1708.6	605.4	197.3	204.3	247.2	247.6	305.8	277.1	220.2	212.4	207.1
70°	1563.2	489.6	173.6	178.1	207.9	213.3	290.6	261.2	210.0	201.8	189.1
72.5°	1308.2	352.0	146.1	147.4	165.4	179.3	264.4	239.5	194.8	175.6	162.1
75°	968.5	233.7	119.1	117.5	124.0	145.7	226.0	215.3	175.2	145.7	138.8
77.5°	512.1	138.4	91.7	92.1	88.0	111.7	179.3	187.1	155.5	122.8	115.8
80°	175.2	83.1	65.9	68.8	62.2	79.8	133.0	155.5	133.0	102.3	90.5
82.5°	80.2	50.8	47.1	49.1	44.6	54.0	91.3	117.9	106.0	74.5	60.2
85°	40.5	30.3	30.3	33.2	29.5	27.8	50.3	78.2	77.8	51.2	44.2
87.5°	16.8	14.7	13.9	16.0	13.9	10.6	14.3	28.2	40.9	30.7	19.6
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)