

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: P672229

Luminaire Tested: **CCP-SA-2C-727-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672229
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-727-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

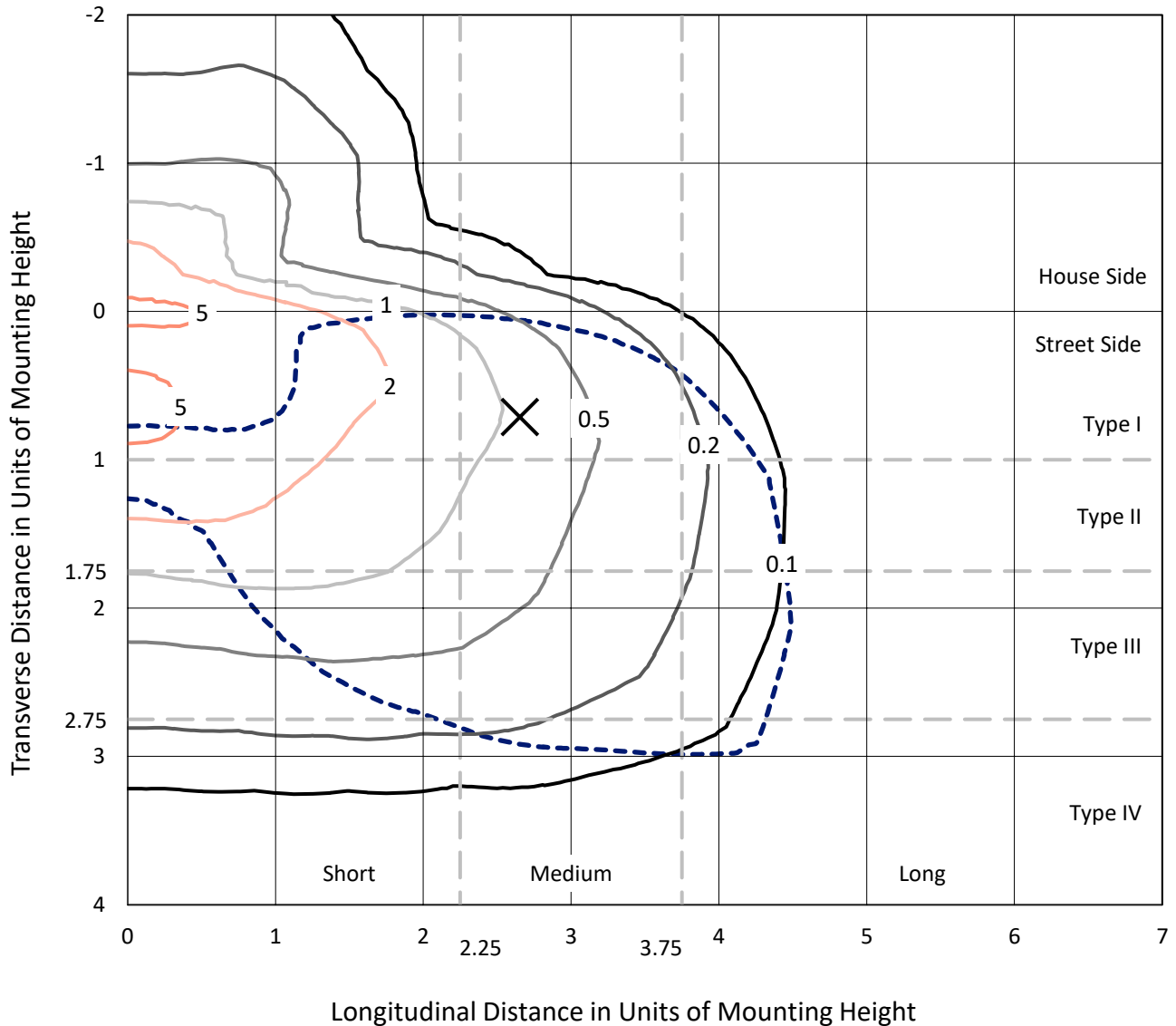
Lumens per Lamp: N/A
Luminaire Lumens: 7685.2 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

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Iso-Footcandle Lines of Horizontal Illumination

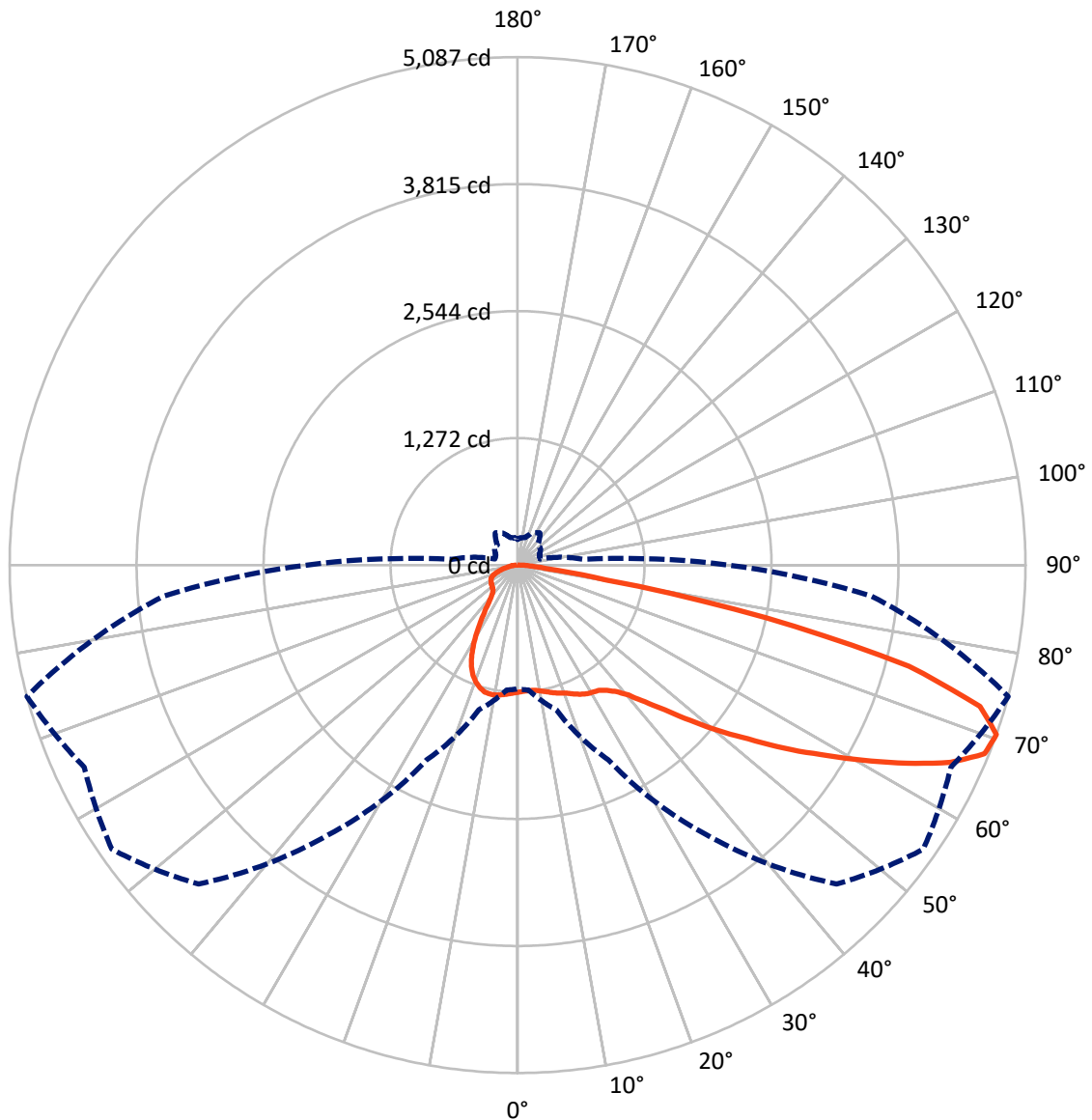
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 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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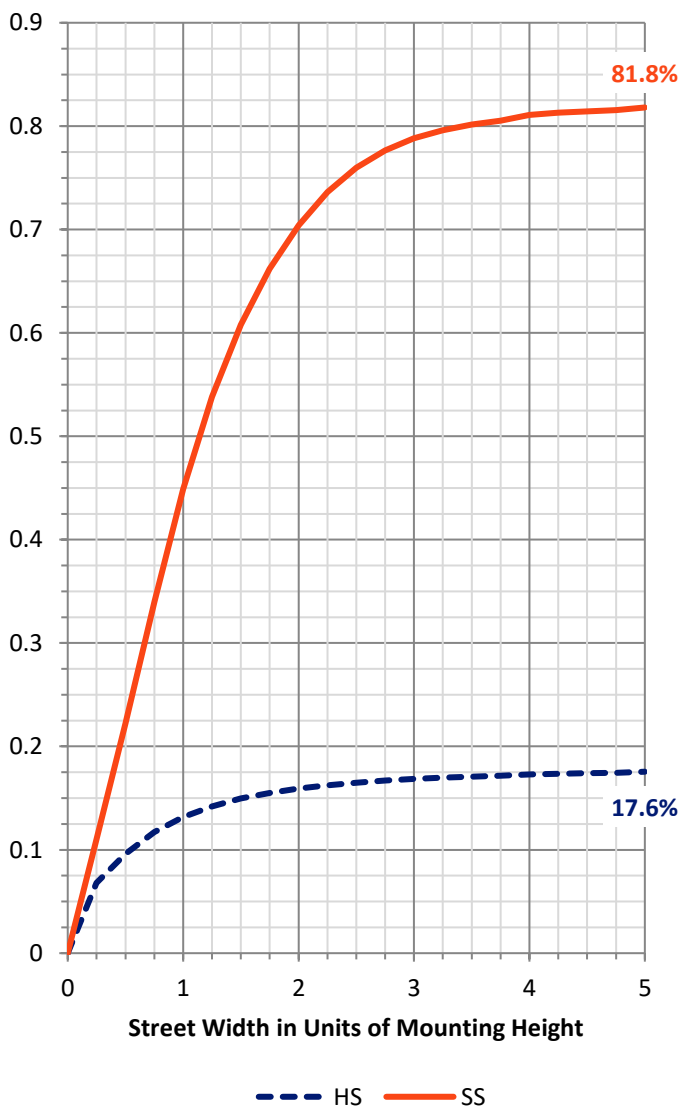
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1367.3	0.0	1367.3
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	6317.9	0.0	6317.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	7685.2	0.0	7685.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	1.5
10°-20°	305.2	4.0
20°-30°	514.2	6.7
30°-40°	781.0	10.2
40°-50°	1118.9	14.6
50°-60°	1483.4	19.3
60°-70°	1856.4	24.2
70°-80°	1355.6	17.6
80°-90°	156.3	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°	7685.2	100.0
0°-180°	7685.2	100.0



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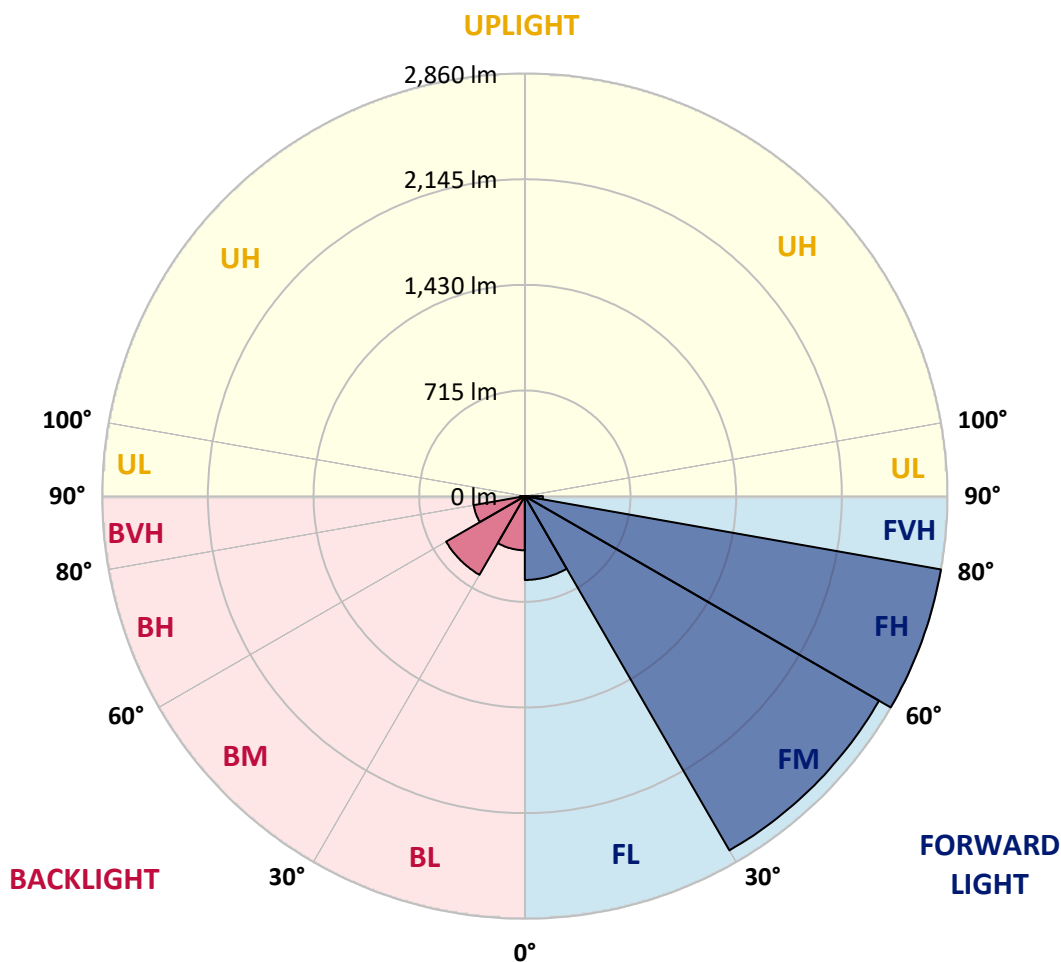
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.2	7.4			
FM (30°-60°)	2768.5	36.0			
FH (60°-80°)	2860.3	37.2			G2/5000
FVH (80°-90°)	122.0	1.6			G2/225
BL (0°-30°)	366.5	4.8	B1/500		
BM (30°-60°)	614.7	8.0	B1/1000		
BH (60°-80°)	351.7	4.6	B1/500		G1/500
BVH (80°-90°)	34.3	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°	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0
2.5°	1203.3	1210.0	1216.1	1222.1	1227.1	1240.4	1243.2	1257.5	1261.4	1264.7	1269.2
5°	1135.9	1140.9	1146.9	1156.9	1167.4	1191.2	1207.8	1239.3	1257.0	1262.5	1278.0
7.5°	1099.4	1101.0	1109.3	1117.6	1129.8	1153.0	1175.7	1224.9	1260.3	1266.4	1299.6
10°	1072.8	1075.0	1082.8	1094.4	1106.6	1128.1	1156.3	1215.0	1272.5	1281.9	1328.9
12.5°	1063.4	1062.3	1071.2	1078.9	1096.1	1123.2	1152.5	1215.5	1289.1	1302.3	1371.5
15°	1101.0	1093.8	1099.4	1096.6	1102.1	1128.7	1163.5	1227.7	1309.5	1326.1	1415.7
17.5°	1184.0	1177.9	1174.0	1150.3	1134.8	1149.7	1182.9	1244.8	1331.1	1348.8	1455.5
20°	1307.9	1290.7	1276.3	1236.5	1193.4	1188.4	1211.6	1262.0	1351.6	1368.7	1497.5
22.5°	1448.9	1435.1	1411.8	1342.1	1275.2	1242.1	1248.1	1293.5	1381.4	1400.2	1545.7
25°	1626.9	1626.4	1578.8	1484.8	1383.6	1316.7	1304.0	1343.8	1415.1	1433.4	1585.5
27.5°	1829.9	1816.1	1759.7	1638.6	1511.4	1409.1	1379.2	1395.2	1442.2	1461.0	1617.5
30°	2003.5	2005.2	1947.7	1815.5	1647.4	1499.2	1442.8	1432.3	1459.9	1478.7	1647.4
32.5°	2189.4	2180.0	2127.4	1991.4	1794.5	1596.0	1483.7	1458.8	1478.2	1495.9	1688.9
35°	2364.1	2353.6	2308.3	2161.7	1956.5	1702.7	1539.0	1500.3	1521.3	1540.7	1739.8
37.5°	2530.6	2532.2	2480.8	2340.9	2113.6	1828.8	1620.9	1562.8	1585.5	1607.0	1817.2
40°	2676.0	2667.7	2627.9	2501.8	2276.7	1957.1	1713.2	1648.0	1692.2	1712.1	1915.1
42.5°	2722.5	2721.9	2737.4	2660.0	2448.2	2109.7	1828.2	1780.7	1843.2	1873.0	2035.1
45°	2682.1	2694.3	2783.8	2781.6	2619.6	2285.0	1985.3	1942.2	2032.3	2066.0	2181.6
47.5°	2642.3	2660.5	2782.2	2851.3	2773.3	2478.0	2178.3	2146.2	2275.6	2324.3	2333.7
50°	2584.2	2601.3	2746.2	2861.3	2867.3	2673.2	2428.3	2387.9	2554.3	2604.1	2499.0
52.5°	2519.5	2532.8	2682.6	2854.1	2912.1	2825.9	2673.2	2661.6	2853.0	2893.3	2667.2
55°	2162.3	2218.7	2589.2	2838.6	2943.1	2942.6	2911.6	2949.7	3178.7	3239.0	2854.6
57.5°	1957.1	1987.0	2325.9	2829.7	3001.2	3050.4	3157.7	3239.5	3526.5	3580.7	3061.4
60°	1890.2	1916.7	2193.8	2819.2	3116.8	3219.1	3398.2	3531.0	3900.4	3966.7	3292.6
62.5°	1829.3	1861.4	2140.1	2735.7	3256.7	3486.2	3685.2	3846.2	4294.7	4373.2	3522.7
65°	1705.5	1728.1	2041.7	2665.5	3389.4	3867.2	4099.4	4193.5	4676.8	4765.3	3675.3
67.5°	1491.5	1513.0	1819.9	2504.0	3475.7	4263.7	4552.4	4552.9	4972.1	5044.5	3707.4
70°	1239.8	1256.4	1500.3	2152.3	3295.9	4518.1	4961.0	4787.9	5055.6	5087.1	3554.7
72.5°	886.5	900.8	1098.8	1591.0	2702.5	4311.8	5053.9	4778.0	4853.2	4843.2	3120.6
75°	546.4	574.0	673.0	971.1	1679.5	3392.7	4548.5	4329.5	4075.1	4047.5	2349.7
77.5°	356.1	370.5	455.1	572.9	741.0	1947.7	3454.6	3246.2	2573.1	2541.1	1263.1
80°	214.0	237.8	298.1	360.0	335.7	744.9	1972.6	1612.6	909.1	899.2	388.2
82.5°	115.0	136.6	210.1	222.9	188.6	263.2	714.5	524.3	290.9	287.6	145.4
85°	91.2	101.8	151.0	141.0	106.7	133.3	278.7	218.4	149.3	146.0	54.7
87.5°	55.3	69.7	114.5	95.1	53.1	48.1	127.7	103.4	70.2	65.3	21.6
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°	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0	1273.0
2.5°	1277.4	1280.2	1283.0	1277.4	1279.7	1276.9	1276.9	1276.9	1269.7	1267.5	1274.1
5°	1289.6	1293.5	1295.7	1278.6	1268.0	1252.6	1239.8	1220.5	1209.4	1202.2	1202.2
7.5°	1314.5	1318.9	1309.0	1270.8	1233.8	1192.3	1149.7	1114.3	1088.9	1077.8	1081.1
10°	1351.0	1352.7	1319.5	1249.2	1170.2	1093.3	1033.0	986.0	954.5	938.5	936.2
12.5°	1393.6	1386.4	1321.7	1201.7	1084.4	981.0	907.5	846.7	806.3	790.8	783.1
15°	1435.6	1418.5	1313.4	1144.7	987.1	862.7	768.7	711.2	686.3	679.1	676.3
17.5°	1473.2	1441.1	1285.7	1062.9	874.3	724.4	655.3	634.9	637.6	644.3	647.0
20°	1507.5	1458.3	1245.9	965.6	733.3	616.6	599.5	618.3	633.7	643.7	645.4
22.5°	1545.1	1474.9	1190.6	847.2	617.7	566.8	587.3	608.9	624.3	634.3	636.0
25°	1573.9	1474.3	1112.7	706.7	544.7	553.6	577.9	597.2	608.9	616.1	615.5
27.5°	1592.1	1461.0	1010.3	591.2	516.0	544.2	567.4	580.1	586.7	592.3	591.7
30°	1597.6	1435.6	881.5	506.0	502.7	535.3	553.0	560.7	565.7	571.3	571.3
32.5°	1608.7	1396.3	739.4	458.4	492.7	526.5	537.0	543.1	539.2	525.4	522.6
35°	1620.9	1352.7	605.0	436.3	483.3	520.4	530.3	514.3	472.3	466.7	464.5
37.5°	1644.6	1312.3	491.1	420.8	481.1	523.7	532.0	467.8	432.5	415.3	412.5
40°	1685.0	1271.9	414.8	409.8	483.9	538.1	509.9	445.7	387.1	354.5	348.9
42.5°	1738.1	1222.7	371.6	404.2	491.6	561.3	502.1	414.2	350.1	327.9	324.6
45°	1799.5	1157.4	351.2	403.1	501.0	572.9	504.3	388.8	333.5	316.3	315.2
47.5°	1863.1	1093.3	342.3	402.0	512.6	567.9	473.9	381.0	326.8	321.9	325.2
50°	1931.7	1020.3	335.1	399.3	522.0	567.9	457.3	379.4	329.0	340.1	351.2
52.5°	1995.8	958.9	326.8	391.0	525.9	558.0	452.4	385.4	332.4	329.6	332.9
55°	2073.8	927.4	322.4	379.4	518.7	527.6	446.3	402.0	335.1	312.4	312.4
57.5°	2162.8	920.8	315.8	363.9	495.5	485.5	445.7	412.0	327.9	306.9	303.0
60°	2270.1	935.1	307.5	344.5	467.3	452.9	441.9	412.0	316.3	297.5	299.2
62.5°	2356.9	933.5	302.5	327.4	429.7	419.2	434.7	406.5	311.9	296.4	295.9
65°	2377.4	898.1	288.1	305.3	383.2	378.3	426.9	392.6	305.8	290.3	285.9
67.5°	2308.3	817.9	266.5	276.0	334.0	334.6	413.1	374.4	297.5	287.0	279.8
70°	2111.9	661.4	234.5	240.6	280.9	288.1	392.6	352.8	283.7	272.6	255.5
72.5°	1767.4	475.6	197.4	199.1	223.4	242.2	357.2	323.5	263.2	237.2	219.0
75°	1308.4	315.8	160.9	158.7	167.6	196.9	305.3	290.9	236.7	196.9	187.5
77.5°	691.8	186.9	123.9	124.4	118.9	151.0	242.2	252.7	210.1	165.9	156.5
80°	236.7	112.3	89.0	92.9	84.1	107.8	179.7	210.1	179.7	138.3	122.2
82.5°	108.4	68.6	63.6	66.4	60.3	73.0	123.3	159.3	143.2	100.6	81.3
85°	54.7	40.9	40.9	44.8	39.8	37.6	68.0	105.6	105.1	69.1	59.7
87.5°	22.7	19.9	18.8	21.6	18.8	14.4	19.4	38.2	55.3	41.5	26.5
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)