

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: P672237

Luminaire Tested: **CCP-SA-1F-730-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672237
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-730-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T3R distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6939.2 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

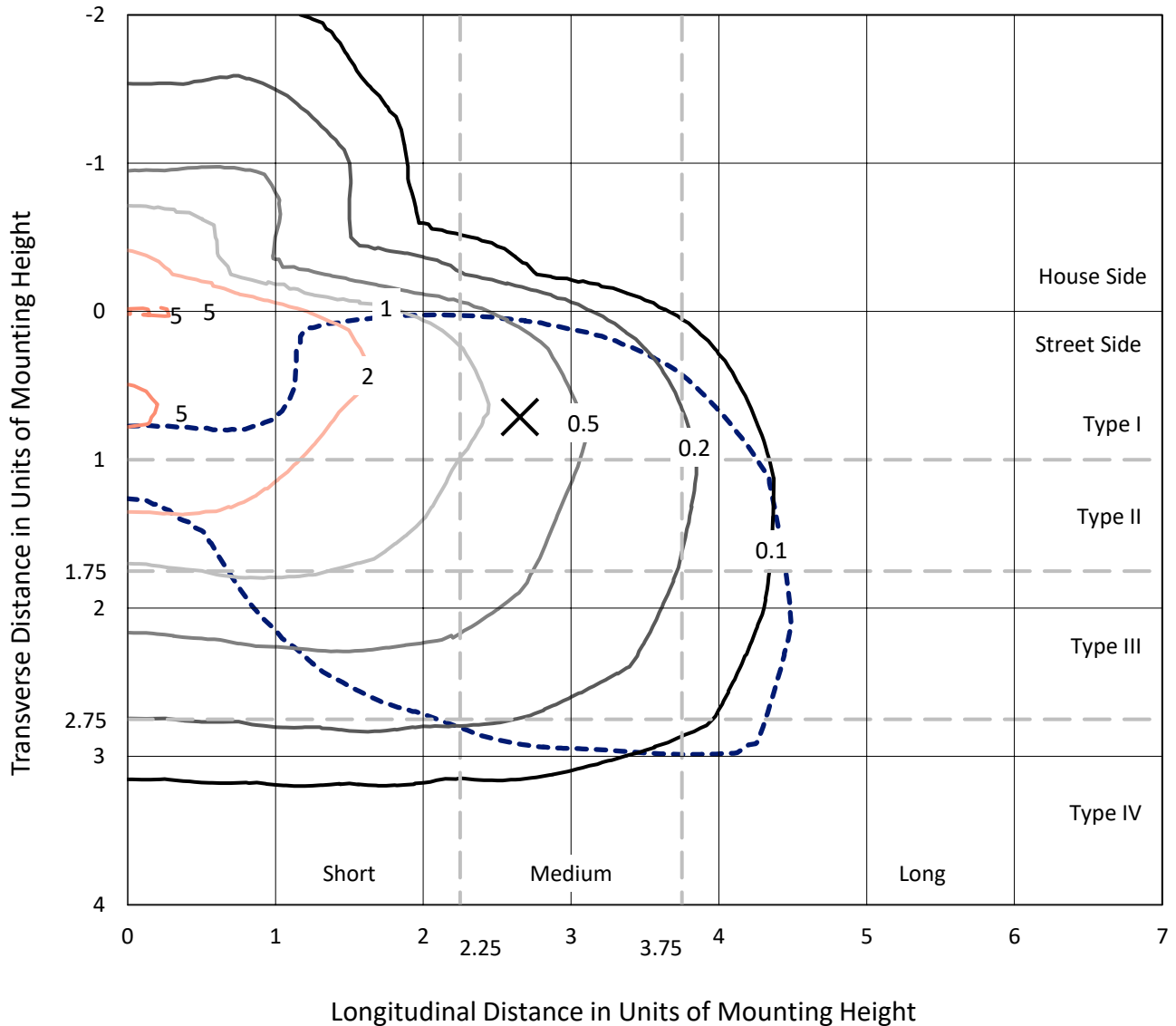
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

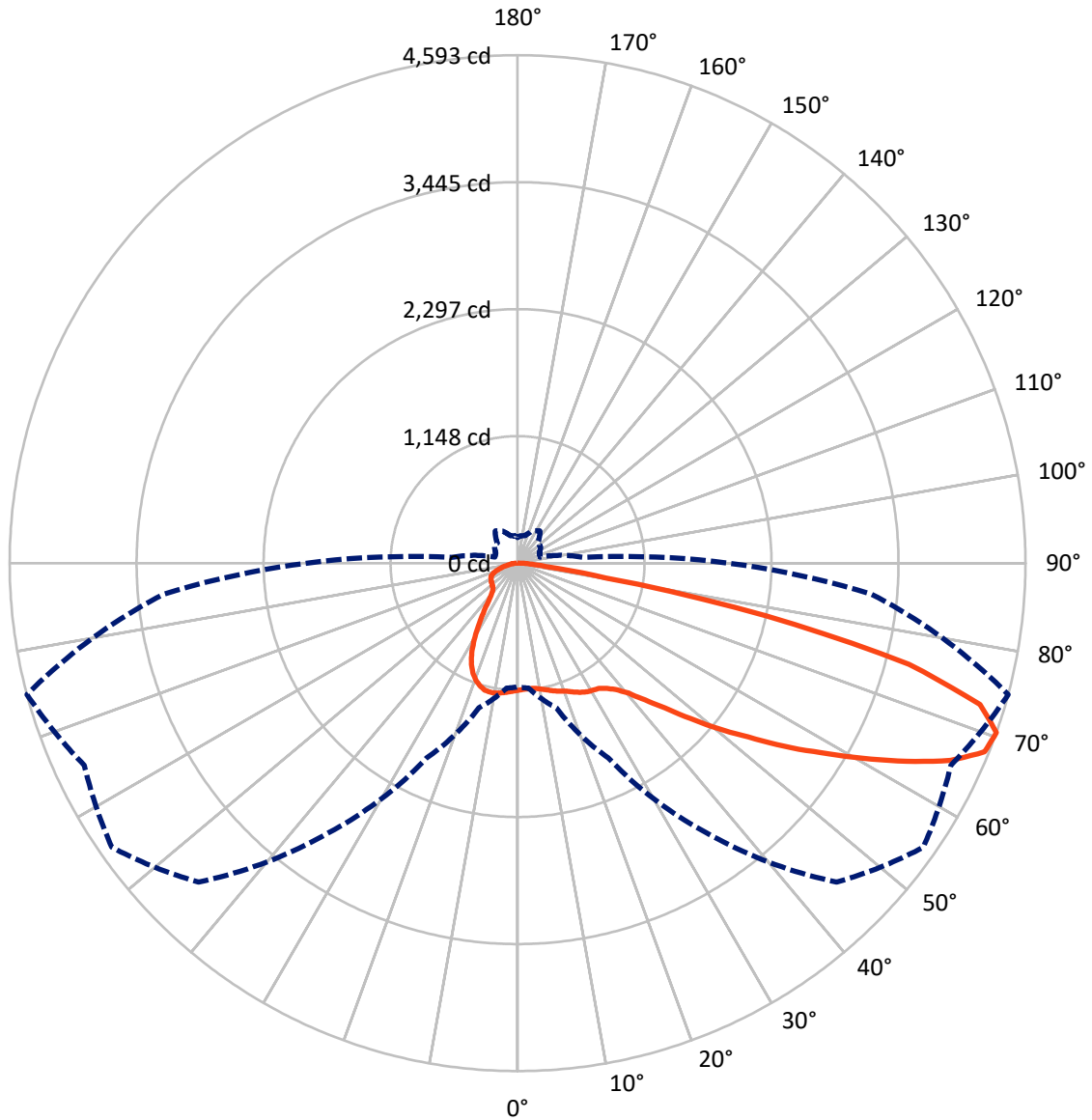
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 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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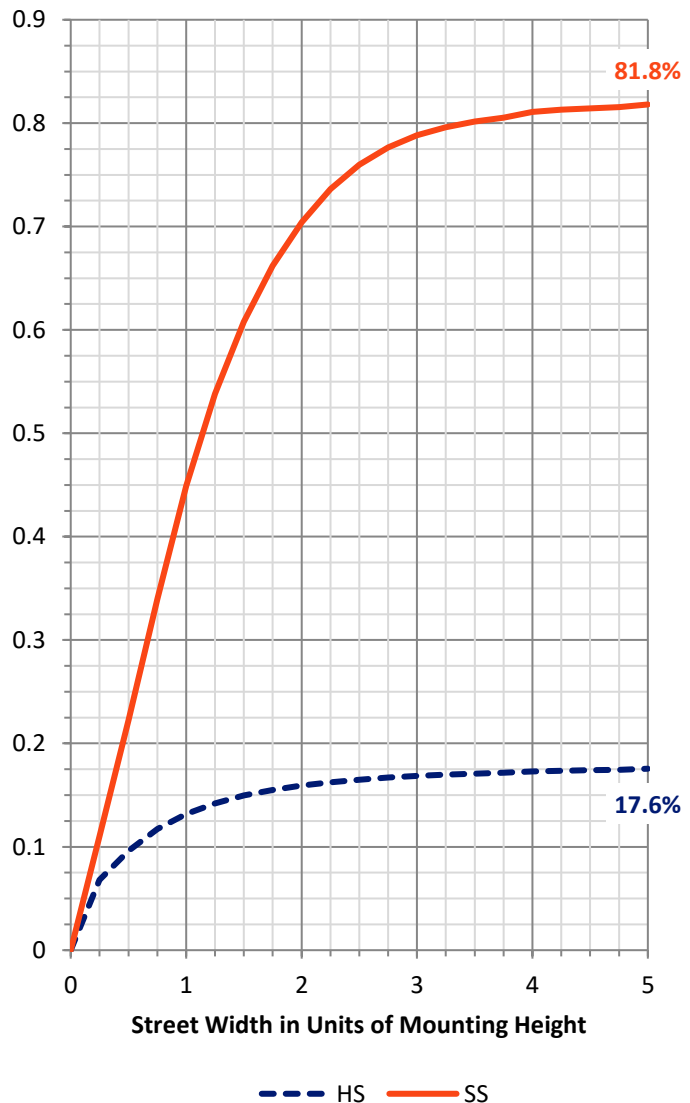
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1234.6	0.0	1234.6
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	5704.6	0.0	5704.6
	% Fixture	82.2	0.0	82.2
Total	Lumens	6939.2	0.0	6939.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	1.5
10°-20°	275.6	4.0
20°-30°	464.3	6.7
30°-40°	705.2	10.2
40°-50°	1010.2	14.6
50°-60°	1339.4	19.3
60°-70°	1676.1	24.2
70°-80°	1224.0	17.6
80°-90°	141.1	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°	6939.2	100.0
0°-180°	6939.2	100.0



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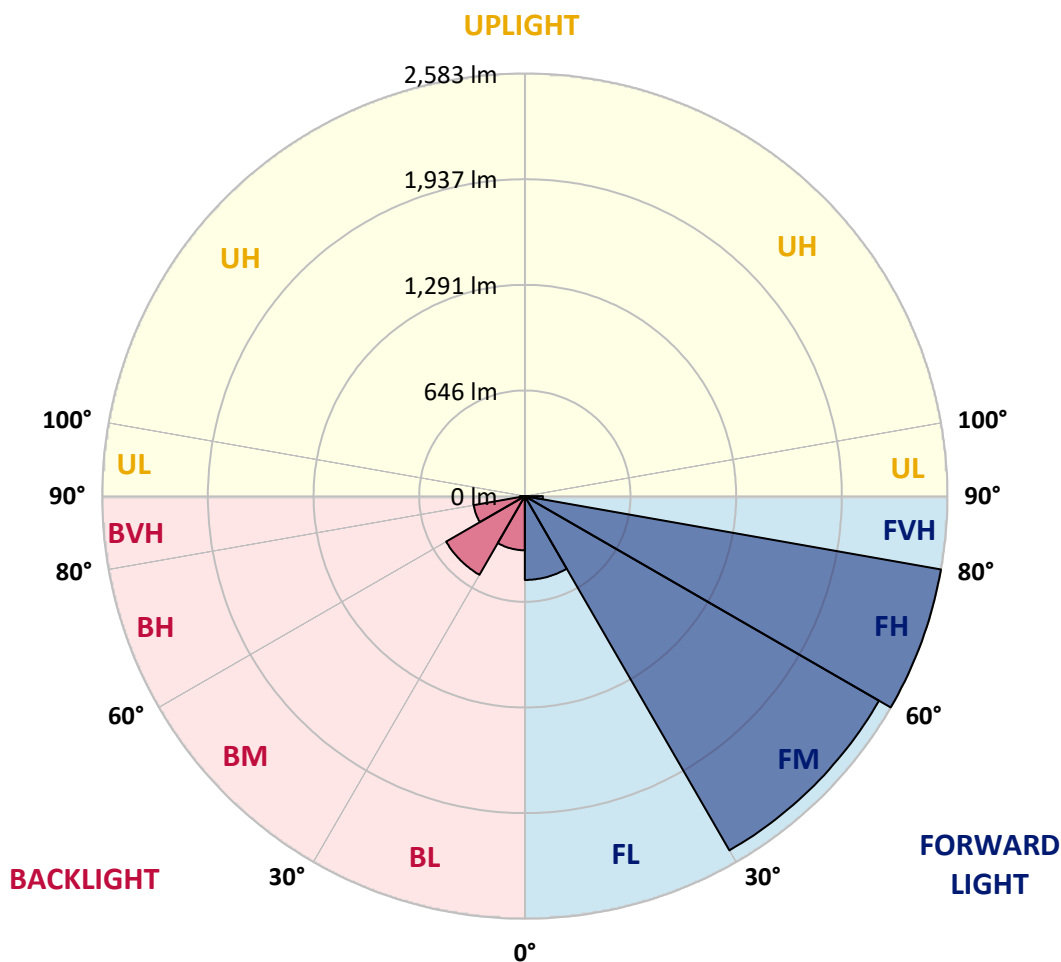
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.2	7.4			
FM (30°-60°)	2499.7	36.0			
FH (60°-80°)	2582.6	37.2			G2/5000
FVH (80°-90°)	110.1	1.6			G2/225
BL (0°-30°)	330.9	4.8	B1/500		
BM (30°-60°)	555.1	8.0	B1/1000		
BH (60°-80°)	317.6	4.6	B1/500		G1/500
BVH (80°-90°)	31.0	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°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4
2.5°	1086.5	1092.5	1098.0	1103.5	1108.0	1120.0	1122.5	1135.5	1139.0	1142.0	1145.9
5°	1025.6	1030.1	1035.6	1044.6	1054.1	1075.5	1090.5	1119.0	1135.0	1140.0	1153.9
7.5°	992.7	994.2	1001.6	1009.1	1020.1	1041.1	1061.6	1106.0	1138.0	1143.4	1173.4
10°	968.7	970.7	977.7	988.2	999.1	1018.6	1044.1	1097.0	1148.9	1157.4	1199.9
12.5°	960.2	959.2	967.2	974.2	989.7	1014.1	1040.6	1097.5	1163.9	1175.9	1238.3
15°	994.2	987.7	992.7	990.2	995.2	1019.1	1050.6	1108.5	1182.4	1197.4	1278.3
17.5°	1069.1	1063.6	1060.1	1038.6	1024.6	1038.1	1068.1	1124.0	1201.9	1217.8	1314.2
20°	1180.9	1165.4	1152.4	1116.5	1077.5	1073.0	1094.0	1139.5	1220.3	1235.8	1352.2
22.5°	1308.2	1295.7	1274.8	1211.9	1151.4	1121.5	1127.0	1167.9	1247.3	1264.3	1395.6
25°	1469.0	1468.5	1425.6	1340.7	1249.3	1188.9	1177.4	1213.4	1277.8	1294.2	1431.6
27.5°	1652.3	1639.8	1588.8	1479.5	1364.7	1272.3	1245.3	1259.8	1302.2	1319.2	1460.5
30°	1809.0	1810.5	1758.6	1639.3	1487.5	1353.7	1302.7	1293.2	1318.2	1335.2	1487.5
32.5°	1976.8	1968.3	1920.9	1798.1	1620.3	1441.0	1339.7	1317.2	1334.7	1350.7	1524.9
35°	2134.6	2125.1	2084.2	1951.9	1766.6	1537.4	1389.6	1354.7	1373.6	1391.1	1570.9
37.5°	2284.9	2286.4	2240.0	2113.6	1908.4	1651.3	1463.5	1411.1	1431.6	1451.0	1640.8
40°	2416.2	2408.7	2372.8	2258.9	2055.7	1767.1	1546.9	1488.0	1527.9	1545.9	1729.2
42.5°	2458.2	2457.7	2471.6	2401.7	2210.5	1904.9	1650.8	1607.8	1664.2	1691.2	1837.5
45°	2421.7	2432.7	2513.6	2511.6	2365.3	2063.2	1792.6	1753.6	1835.0	1865.5	1969.8
47.5°	2385.8	2402.2	2512.1	2574.5	2504.1	2237.5	1966.8	1937.9	2054.7	2098.7	2107.1
50°	2333.3	2348.8	2479.6	2583.5	2589.0	2413.7	2192.5	2156.1	2306.4	2351.3	2256.4
52.5°	2274.9	2286.9	2422.2	2577.0	2629.4	2551.5	2413.7	2403.2	2576.0	2612.5	2408.2
55°	1952.4	2003.3	2337.8	2563.0	2657.4	2656.9	2628.9	2663.4	2870.1	2924.5	2577.5
57.5°	1767.1	1794.1	2100.2	2555.0	2709.8	2754.3	2851.1	2925.0	3184.2	3233.1	2764.3
60°	1706.7	1730.7	1980.8	2545.5	2814.2	2906.6	3068.3	3188.2	3521.7	3581.6	2973.0
62.5°	1651.8	1680.7	1932.4	2470.2	2940.5	3147.7	3327.5	3472.8	3877.7	3948.6	3180.7
65°	1539.9	1560.4	1843.5	2406.7	3060.4	3491.8	3701.5	3786.4	4222.8	4302.7	3318.5
67.5°	1346.7	1366.1	1643.3	2260.9	3138.2	3849.8	4110.4	4110.9	4489.4	4554.8	3347.5
70°	1119.5	1134.5	1354.7	1943.4	2976.0	4079.5	4479.4	4323.1	4564.8	4593.3	3209.6
72.5°	800.4	813.4	992.2	1436.6	2440.2	3893.2	4563.3	4314.2	4382.1	4373.1	2817.7
75°	493.3	518.3	607.7	876.8	1516.4	3063.3	4106.9	3909.2	3679.5	3654.5	2121.6
77.5°	321.6	334.5	410.9	517.3	669.1	1758.6	3119.3	2931.0	2323.4	2294.4	1140.5
80°	193.2	214.7	269.1	325.1	303.1	672.6	1781.1	1456.0	820.9	811.9	350.5
82.5°	103.9	123.3	189.7	201.2	170.3	237.7	645.1	473.4	262.6	259.6	131.3
85°	82.4	91.9	136.3	127.3	96.4	120.3	251.7	197.2	134.8	131.8	49.4
87.5°	49.9	62.9	103.4	85.9	47.9	43.4	115.3	93.4	63.4	58.9	19.5
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°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4
2.5°	1153.4	1155.9	1158.4	1153.4	1155.4	1152.9	1152.9	1152.9	1146.4	1144.4	1150.4
5°	1164.4	1167.9	1169.9	1154.4	1144.9	1131.0	1119.5	1102.0	1092.0	1085.5	1085.5
7.5°	1186.9	1190.9	1181.9	1147.4	1114.0	1076.5	1038.1	1006.1	983.2	973.2	976.2
10°	1219.8	1221.3	1191.4	1128.0	1056.6	987.2	932.7	890.3	861.8	847.4	845.4
12.5°	1258.3	1251.8	1193.4	1085.0	979.2	885.8	819.4	764.5	728.0	714.0	707.0
15°	1296.2	1280.8	1185.9	1033.6	891.3	778.9	694.1	642.1	619.7	613.2	610.7
17.5°	1330.2	1301.2	1160.9	959.7	789.4	654.1	591.7	573.2	575.7	581.7	584.2
20°	1361.2	1316.7	1125.0	871.8	662.1	556.7	541.3	558.2	572.2	581.2	582.7
22.5°	1395.1	1331.7	1075.0	765.0	557.7	511.8	530.3	549.8	563.7	572.7	574.2
25°	1421.1	1331.2	1004.6	638.1	491.8	499.8	521.8	539.3	549.8	556.2	555.7
27.5°	1437.6	1319.2	912.3	533.8	465.9	491.3	512.3	523.8	529.8	534.8	534.3
30°	1442.5	1296.2	795.9	456.9	453.9	483.3	499.3	506.3	510.8	515.8	515.8
32.5°	1452.5	1260.8	667.6	413.9	444.9	475.4	484.8	490.3	486.8	474.4	471.9
35°	1463.5	1221.3	546.3	394.0	436.4	469.9	478.9	464.4	426.4	421.4	419.4
37.5°	1485.0	1184.9	443.4	380.0	434.4	472.9	480.3	422.4	390.5	375.0	372.5
40°	1521.4	1148.4	374.5	370.0	436.9	485.8	460.4	402.5	349.5	320.1	315.1
42.5°	1569.4	1104.0	335.5	365.0	443.9	506.8	453.4	374.0	316.1	296.1	293.1
45°	1624.8	1045.1	317.1	364.0	452.4	517.3	455.4	351.0	301.1	285.6	284.6
47.5°	1682.2	987.2	309.1	363.0	462.9	512.8	427.9	344.0	295.1	290.6	293.6
50°	1744.1	921.3	302.6	360.5	471.4	512.8	412.9	342.5	297.1	307.1	317.1
52.5°	1802.1	865.8	295.1	353.0	474.9	503.8	408.4	348.0	300.1	297.6	300.6
55°	1872.5	837.4	291.1	342.5	468.4	476.4	403.0	363.0	302.6	282.1	282.1
57.5°	1952.9	831.4	285.1	328.6	447.4	438.4	402.5	372.0	296.1	277.1	273.6
60°	2049.7	844.4	277.6	311.1	421.9	408.9	399.0	372.0	285.6	268.6	270.1
62.5°	2128.1	842.9	273.1	295.6	388.0	378.5	392.5	367.0	281.6	267.6	267.1
65°	2146.6	810.9	260.1	275.6	346.0	341.5	385.5	354.5	276.1	262.1	258.2
67.5°	2084.2	738.5	240.7	249.2	301.6	302.1	373.0	338.0	268.6	259.1	252.7
70°	1906.9	597.2	211.7	217.2	253.7	260.1	354.5	318.6	256.2	246.2	230.7
72.5°	1595.8	429.4	178.3	179.8	201.7	218.7	322.6	292.1	237.7	214.2	197.7
75°	1181.4	285.1	145.3	143.3	151.3	177.8	275.6	262.6	213.7	177.8	169.3
77.5°	624.7	168.8	111.8	112.3	107.4	136.3	218.7	228.2	189.7	149.8	141.3
80°	213.7	101.4	80.4	83.9	75.9	97.4	162.3	189.7	162.3	124.8	110.4
82.5°	97.9	61.9	57.4	59.9	54.4	65.9	111.3	143.8	129.3	90.9	73.4
85°	49.4	36.9	36.9	40.4	36.0	34.0	61.4	95.4	94.9	62.4	53.9
87.5°	20.5	18.0	17.0	19.5	17.0	13.0	17.5	34.5	49.9	37.4	24.0
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)