

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: P672219

Luminaire Tested: **CCP-SA-2D-722-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672219
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-722-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

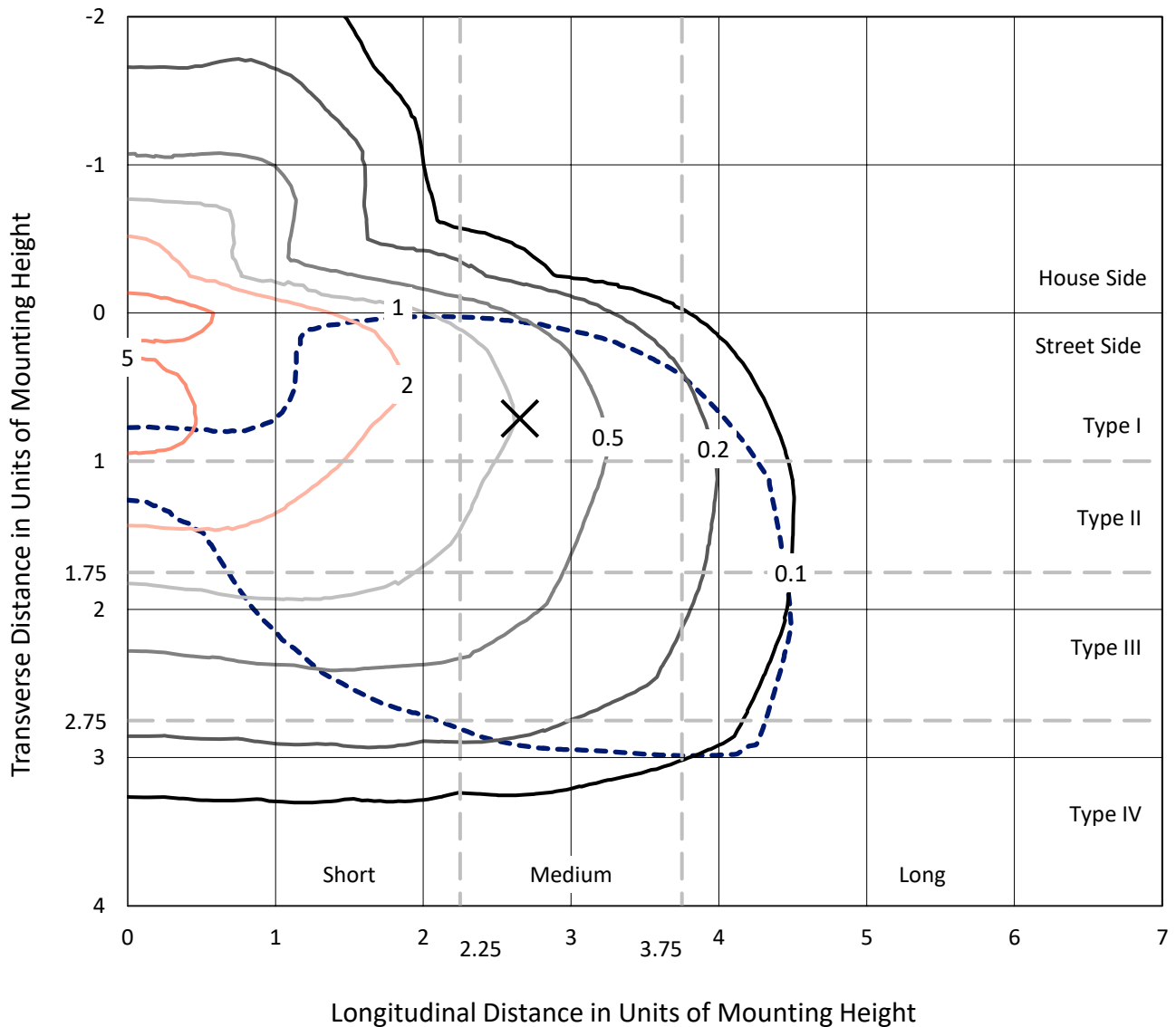
Lumens per Lamp: N/A
Luminaire Lumens: 8349.7 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

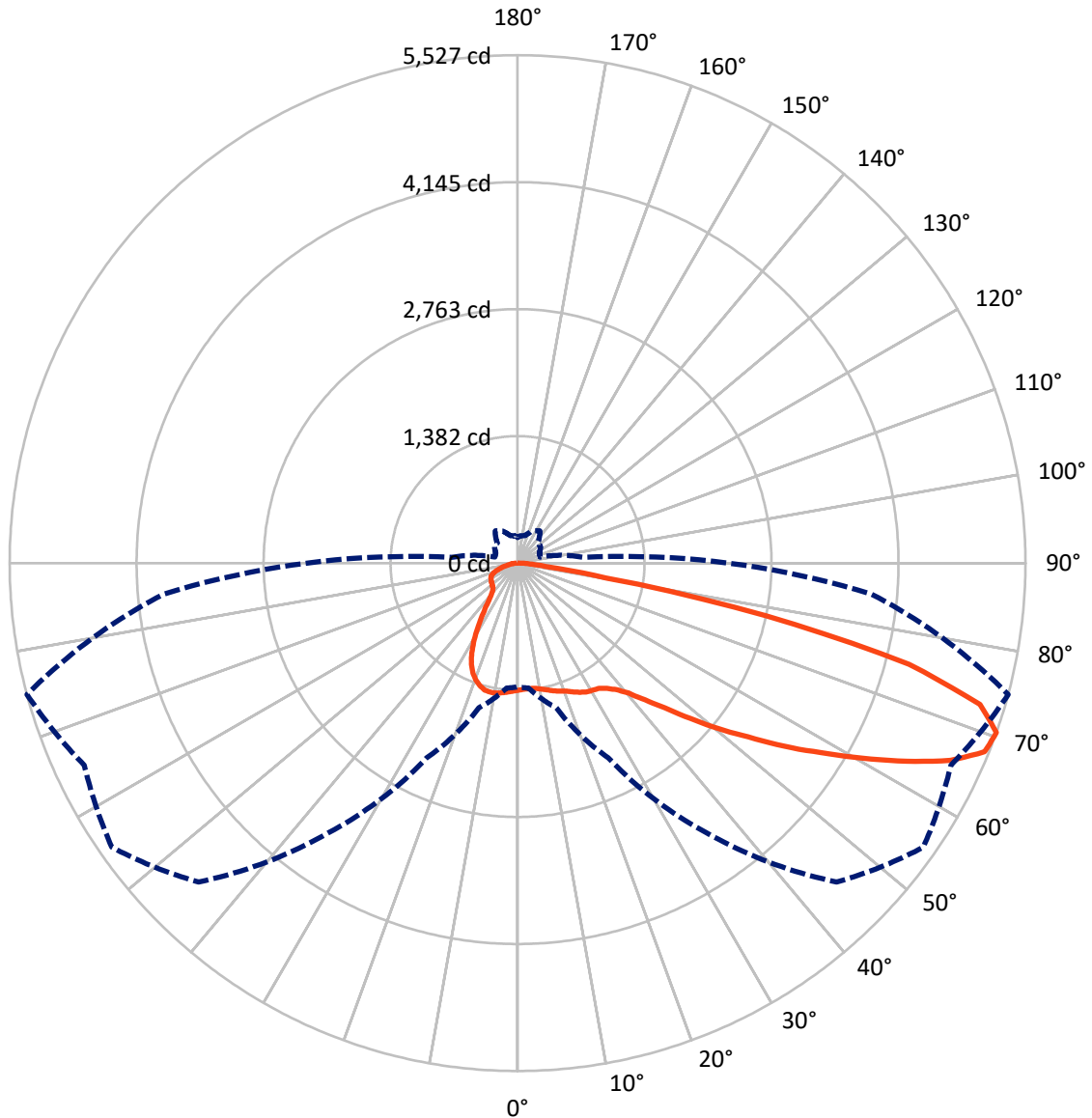
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.3 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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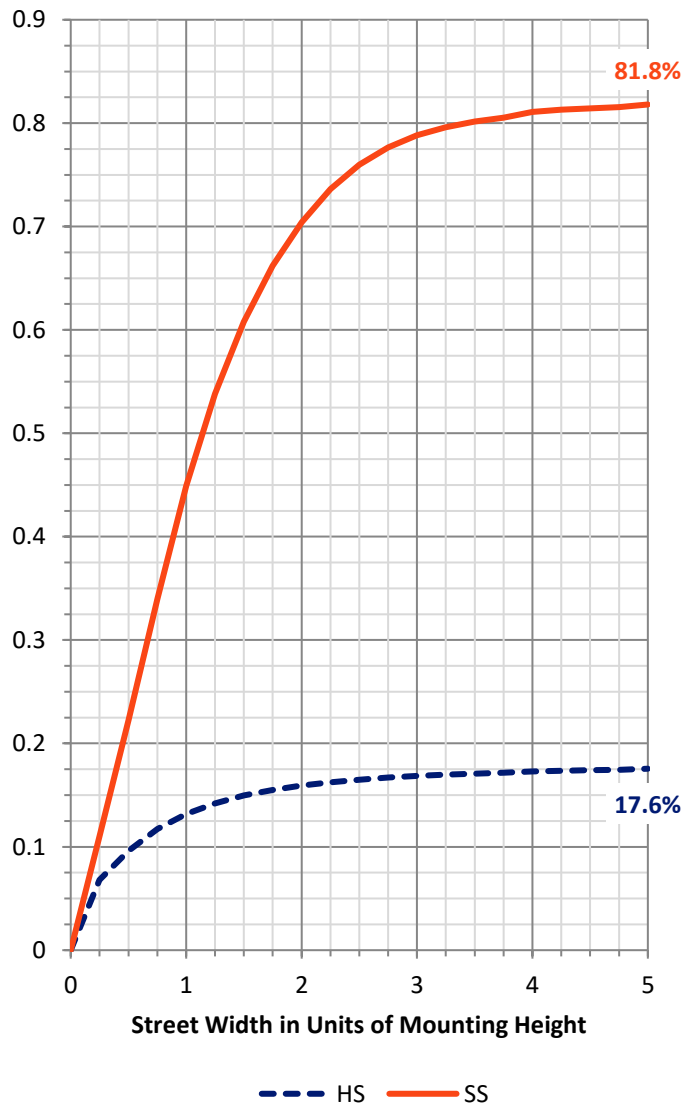
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1485.5	0.0	1485.5
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	6864.1	0.0	6864.1
	% Fixture	82.2	0.0	82.2
Total	Lumens	8349.7	0.0	8349.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	1.5
10°-20°	331.6	4.0
20°-30°	558.7	6.7
30°-40°	848.5	10.2
40°-50°	1215.6	14.6
50°-60°	1611.6	19.3
60°-70°	2016.8	24.2
70°-80°	1472.8	17.6
80°-90°	169.8	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°	8349.7	100.0
0°-180°	8349.7	100.0



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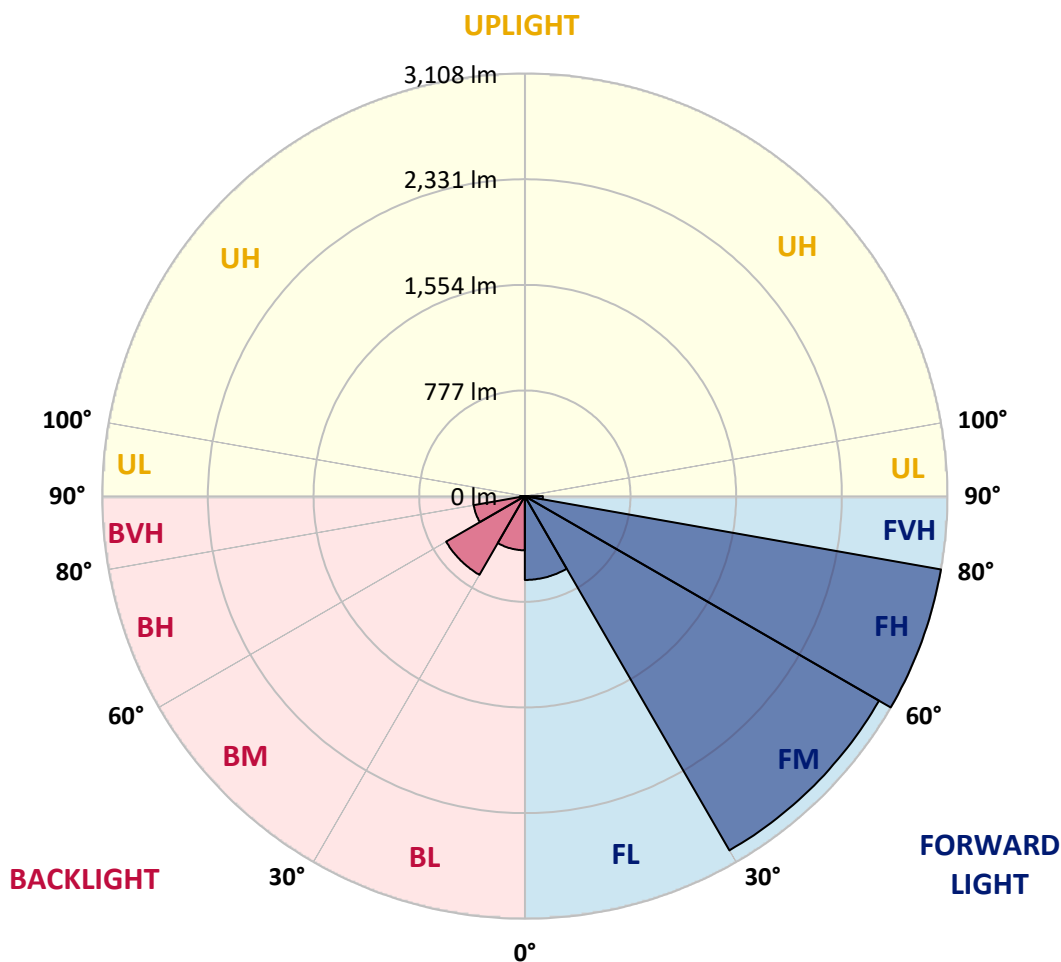
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	616.3	7.4			
FM (30°-60°)	3007.8	36.0			
FH (60°-80°)	3107.5	37.2			G2/5000
FVH (80°-90°)	132.5	1.6			G2/225
BL (0°-30°)	398.2	4.8	B1/500		
BM (30°-60°)	667.9	8.0	B1/1000		
BH (60°-80°)	382.1	4.6	B1/500		G1/500
BVH (80°-90°)	37.3	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°	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1
2.5°	1307.4	1314.6	1321.2	1327.8	1333.2	1347.6	1350.6	1366.3	1370.5	1374.1	1378.9
5°	1234.1	1239.5	1246.1	1256.9	1268.3	1294.2	1312.2	1346.4	1365.7	1371.7	1388.5
7.5°	1194.4	1196.2	1205.2	1214.3	1227.5	1252.7	1277.3	1330.8	1369.3	1375.9	1411.9
10°	1165.6	1168.0	1176.4	1189.0	1202.2	1225.7	1256.3	1320.0	1382.5	1392.7	1443.8
12.5°	1155.4	1154.2	1163.8	1172.2	1190.8	1220.3	1252.1	1320.6	1400.5	1414.9	1490.0
15°	1196.2	1188.4	1194.4	1191.4	1197.4	1226.3	1264.1	1333.8	1422.7	1440.8	1538.1
17.5°	1286.3	1279.7	1275.5	1249.7	1232.9	1249.1	1285.1	1352.4	1446.2	1465.4	1581.4
20°	1420.9	1402.3	1386.7	1343.4	1296.6	1291.2	1316.4	1371.1	1468.4	1487.0	1627.0
22.5°	1574.1	1559.1	1533.9	1458.2	1385.5	1349.4	1356.0	1405.3	1500.8	1521.3	1679.3
25°	1767.6	1767.0	1715.3	1613.2	1503.2	1430.5	1416.7	1460.0	1537.5	1557.3	1722.5
27.5°	1988.1	1973.1	1911.8	1780.2	1642.0	1530.9	1498.4	1515.9	1566.9	1587.4	1757.4
30°	2176.8	2178.6	2116.1	1972.5	1789.8	1628.8	1567.5	1556.1	1586.2	1606.6	1789.8
32.5°	2378.6	2368.4	2311.3	2163.5	1949.7	1734.0	1612.0	1585.0	1606.0	1625.2	1834.9
35°	2568.5	2557.1	2507.8	2348.6	2125.7	1849.9	1672.1	1630.0	1652.8	1673.9	1890.2
37.5°	2749.3	2751.1	2695.3	2543.3	2296.3	1986.9	1761.0	1697.9	1722.5	1746.0	1974.3
40°	2907.4	2898.3	2855.1	2718.1	2473.6	2126.3	1861.3	1790.4	1838.5	1860.1	2080.6
42.5°	2957.8	2957.2	2974.0	2889.9	2659.8	2292.1	1986.3	1934.6	2002.5	2035.0	2211.0
45°	2914.0	2927.2	3024.5	3022.1	2846.1	2482.6	2156.9	2110.1	2208.0	2244.7	2370.2
47.5°	2870.7	2890.5	3022.7	3097.8	3013.1	2692.3	2366.6	2331.8	2472.4	2525.2	2535.4
50°	2807.6	2826.2	2983.7	3108.6	3115.2	2904.3	2638.2	2594.3	2775.2	2829.2	2715.1
52.5°	2737.3	2751.7	2914.6	3100.8	3163.9	3070.2	2904.3	2891.7	3099.6	3143.5	2897.7
55°	2349.2	2410.5	2813.0	3084.0	3197.5	3196.9	3163.3	3204.8	3453.5	3519.0	3101.4
57.5°	2126.3	2158.7	2527.0	3074.4	3260.6	3314.1	3430.7	3519.6	3831.4	3890.3	3326.1
60°	2053.6	2082.4	2383.4	3063.0	3386.2	3497.4	3692.0	3836.2	4237.6	4309.7	3577.3
62.5°	1987.5	2022.4	2325.2	2972.2	3538.2	3787.6	4003.8	4178.7	4665.9	4751.3	3827.2
65°	1852.9	1877.6	2218.2	2895.9	3682.4	4201.5	4453.9	4556.0	5081.1	5177.2	3993.0
67.5°	1620.4	1643.8	1977.3	2720.5	3776.1	4632.3	4945.9	4946.5	5401.9	5480.7	4027.9
70°	1347.0	1365.1	1630.0	2338.4	3580.9	4908.7	5389.9	5201.9	5492.7	5526.9	3862.1
72.5°	963.1	978.7	1193.8	1728.6	2936.2	4684.6	5490.9	5191.1	5272.8	5262.0	3390.4
75°	593.6	623.6	731.2	1055.0	1824.7	3686.0	4941.7	4703.8	4427.4	4397.4	2552.9
77.5°	386.9	402.5	494.5	622.4	805.1	2116.1	3753.3	3526.8	2795.6	2760.8	1372.3
80°	232.5	258.4	323.8	391.1	364.7	809.3	2143.1	1752.0	987.7	976.9	421.8
82.5°	125.0	148.4	228.3	242.1	204.9	286.0	776.3	569.6	316.0	312.4	158.0
85°	99.1	110.6	164.0	153.2	116.0	144.8	302.8	237.3	162.2	158.6	59.5
87.5°	60.1	75.7	124.4	103.3	57.7	52.3	138.8	112.4	76.3	70.9	23.4
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°	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1	1383.1
2.5°	1387.9	1390.9	1393.9	1387.9	1390.3	1387.3	1387.3	1387.3	1379.5	1377.1	1384.3
5°	1401.1	1405.3	1407.7	1389.1	1377.7	1360.9	1347.0	1326.0	1314.0	1306.2	1306.2
7.5°	1428.1	1432.9	1422.1	1380.7	1340.4	1295.4	1249.1	1210.6	1183.0	1171.0	1174.6
10°	1467.8	1469.6	1433.5	1357.2	1271.3	1187.8	1122.3	1071.3	1037.0	1019.6	1017.2
12.5°	1514.1	1506.2	1436.0	1305.6	1178.2	1065.8	985.9	919.9	876.0	859.2	850.8
15°	1559.7	1541.1	1426.9	1243.7	1072.5	937.3	835.1	772.7	745.6	737.8	734.8
17.5°	1600.6	1565.7	1396.9	1154.8	949.9	787.1	712.0	689.7	692.7	700.0	703.0
20°	1637.8	1584.4	1353.6	1049.0	796.7	669.9	651.3	671.7	688.5	699.4	701.2
22.5°	1678.7	1602.4	1293.6	920.5	671.1	615.8	638.1	661.5	678.3	689.1	690.9
25°	1709.9	1601.8	1208.8	767.8	591.8	601.4	627.9	648.9	661.5	669.3	668.7
27.5°	1729.8	1587.4	1097.7	642.3	560.6	591.2	616.4	630.3	637.5	643.5	642.9
30°	1735.8	1559.7	957.7	549.7	546.1	581.6	600.8	609.2	614.6	620.6	620.6
32.5°	1747.8	1517.1	803.3	498.1	535.3	572.0	583.4	590.0	585.8	570.8	567.8
35°	1761.0	1469.6	657.3	474.0	525.1	565.4	576.2	558.8	513.1	507.1	504.7
37.5°	1786.8	1425.7	533.5	457.2	522.7	569.0	578.0	508.3	469.8	451.2	448.2
40°	1830.7	1381.9	450.6	445.2	525.7	584.6	554.0	484.3	420.6	385.1	379.1
42.5°	1888.4	1328.4	403.7	439.2	534.1	609.8	545.5	450.0	380.3	356.3	352.7
45°	1955.1	1257.5	381.5	438.0	544.3	622.4	547.9	422.4	362.3	343.7	342.5
47.5°	2024.2	1187.8	371.9	436.8	557.0	617.0	514.9	414.0	355.1	349.7	353.3
50°	2098.7	1108.5	364.1	433.8	567.2	617.0	496.9	412.2	357.5	369.5	381.5
52.5°	2168.3	1041.8	355.1	424.8	571.4	606.2	491.5	418.8	361.1	358.1	361.7
55°	2253.1	1007.6	350.3	412.2	563.6	573.2	484.9	436.8	364.1	339.5	339.5
57.5°	2349.8	1000.4	343.1	395.3	538.3	527.5	484.3	447.6	356.3	333.5	329.2
60°	2466.4	1016.0	334.1	374.3	507.7	492.1	480.1	447.6	343.7	323.2	325.0
62.5°	2560.7	1014.2	328.6	355.7	466.8	455.4	472.2	441.6	338.9	322.0	321.4
65°	2582.9	975.7	313.0	331.7	416.4	411.0	463.8	426.6	332.3	315.4	310.6
67.5°	2507.8	888.6	289.6	299.8	362.9	363.5	448.8	406.8	323.2	311.8	304.0
70°	2294.5	718.6	254.7	261.4	305.2	313.0	426.6	383.3	308.2	296.2	277.6
72.5°	1920.2	516.7	214.5	216.3	242.7	263.2	388.1	351.5	286.0	257.8	237.9
75°	1421.5	343.1	174.8	172.4	182.0	213.9	331.7	316.0	257.1	213.9	203.7
77.5°	751.6	203.1	134.6	135.2	129.2	164.0	263.2	274.6	228.3	180.2	170.0
80°	257.1	122.0	96.7	100.9	91.3	117.2	195.3	228.3	195.3	150.2	132.8
82.5°	117.8	74.5	69.1	72.1	65.5	79.3	134.0	173.0	155.6	109.3	88.3
85°	59.5	44.5	44.5	48.7	43.3	40.9	73.9	114.8	114.2	75.1	64.9
87.5°	24.6	21.6	20.4	23.4	20.4	15.6	21.0	41.5	60.1	45.1	28.8
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)