

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: P673820

Luminaire Tested: **CCP-SA-1E-730-U-SL3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673820
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-730-U-SL3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ SL3 distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

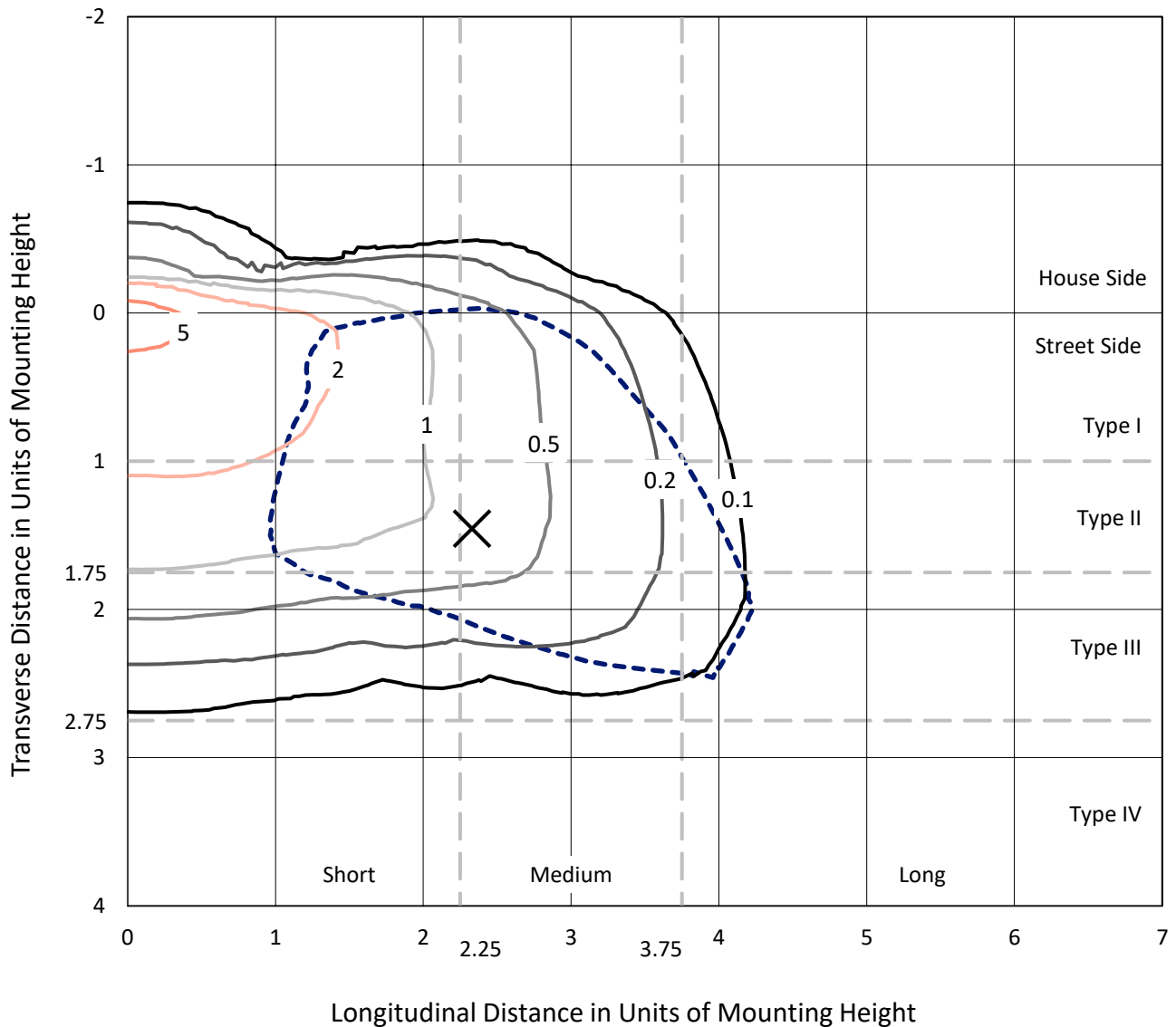
Lumens per Lamp: N/A
Luminaire Lumens: 5144.6 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

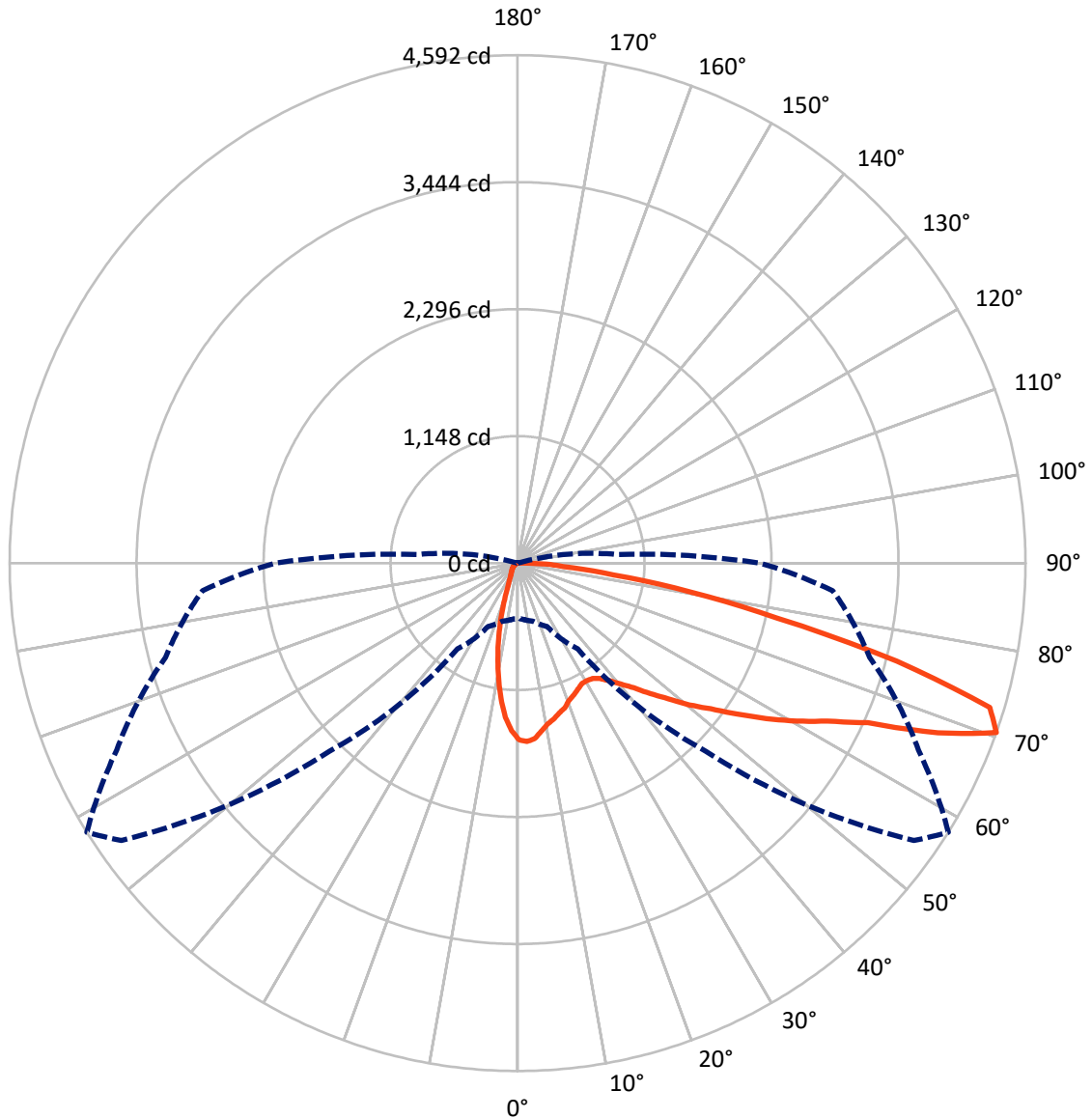
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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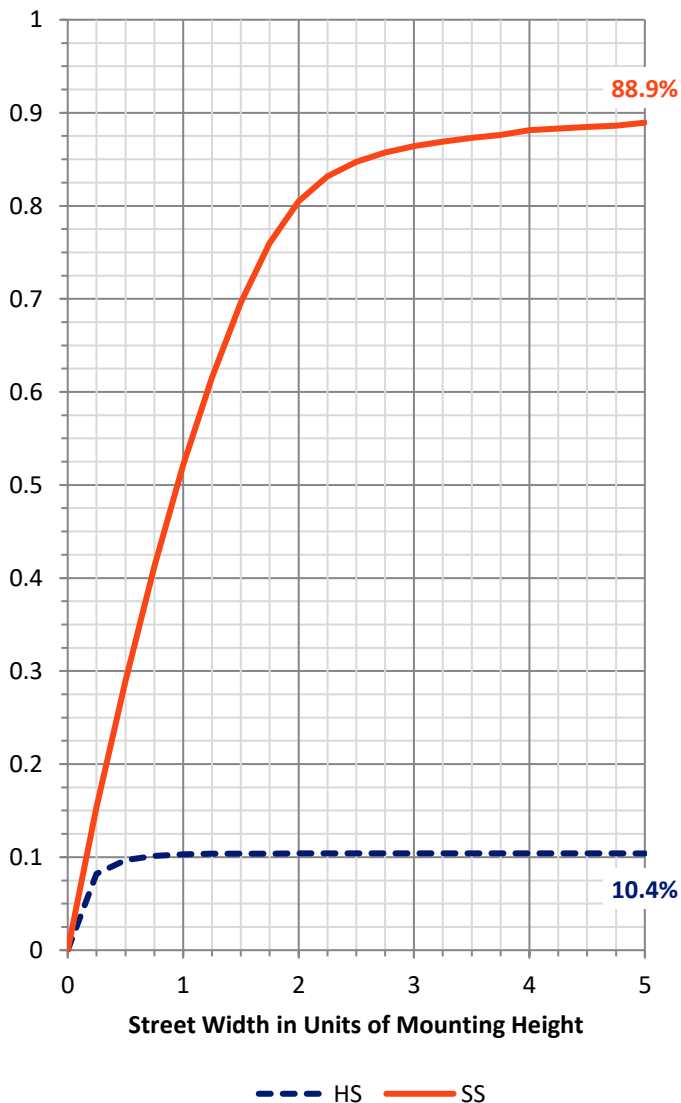
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	538.7	0.0	538.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4605.9	0.0	4605.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	5144.6	0.0	5144.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	2.5
10°-20°	271.3	5.3
20°-30°	363.2	7.1
30°-40°	491.0	9.5
40°-50°	704.7	13.7
50°-60°	1038.6	20.2
60°-70°	1266.8	24.6
70°-80°	773.6	15.0
80°-90°	105.1	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°	5144.6	100.0
0°-180°	5144.6	100.0

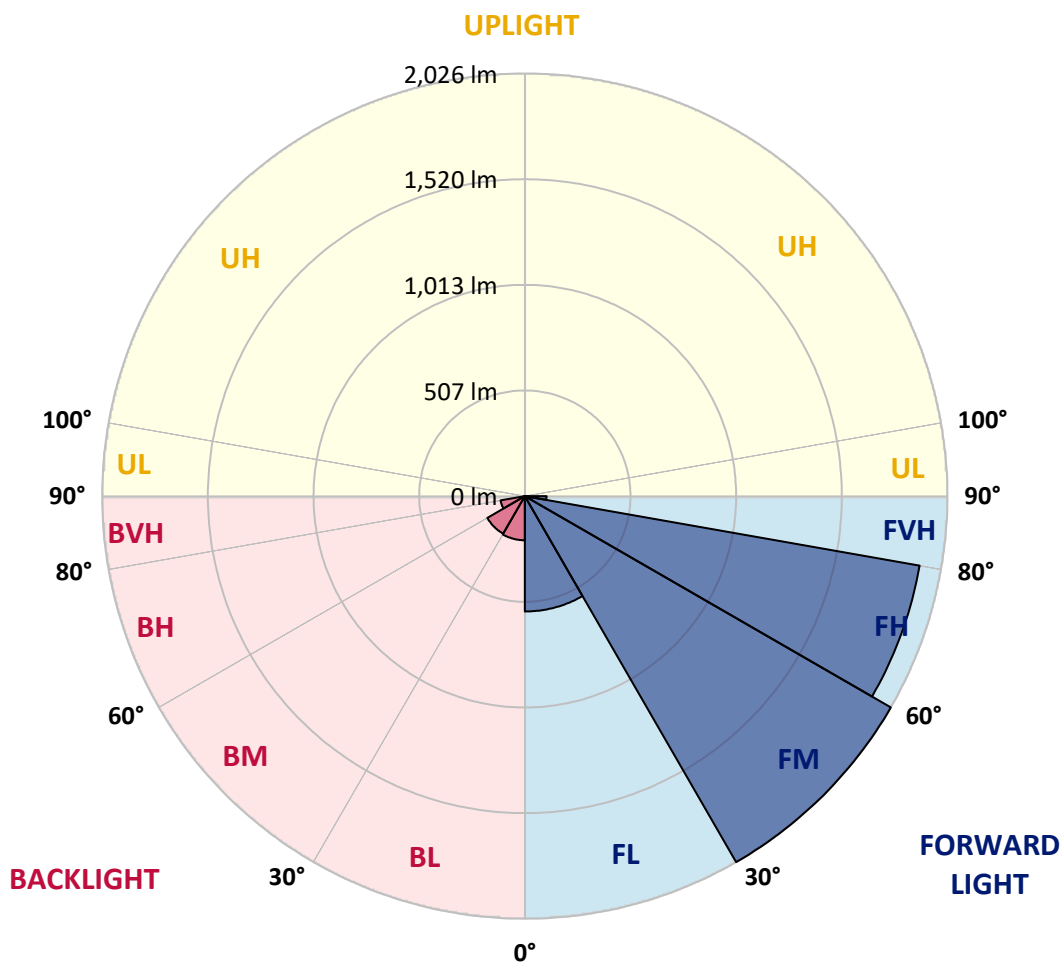


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	553.1	10.8			
FM (30°-60°)	2026.4	39.4			
FH (60°-80°)	1922.3	37.4			G2/5000
FVH (80°-90°)	104.1	2.0			G2/225
BL (0°-30°)	211.7	4.1	B1/500		
BM (30°-60°)	207.9	4.0	B0/220		
BH (60°-80°)	118.1	2.3	B1/500		G1/500
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1
2.5°	1626.0	1632.0	1617.6	1634.5	1618.8	1626.0	1617.6	1615.2	1616.4	1617.6	1607.9
5°	1550.0	1564.5	1570.5	1560.9	1583.8	1580.2	1594.6	1595.9	1589.8	1583.8	1585.0
7.5°	1449.9	1464.4	1470.4	1476.4	1499.4	1529.5	1548.8	1536.7	1546.4	1568.1	1535.5
10°	1377.5	1373.9	1372.7	1384.8	1428.2	1453.5	1486.1	1482.5	1506.6	1527.1	1500.6
12.5°	1288.3	1281.0	1302.7	1312.4	1351.0	1395.6	1420.9	1447.5	1471.6	1493.3	1463.2
15°	1221.9	1228.0	1236.4	1256.9	1284.6	1343.7	1381.1	1406.5	1449.9	1460.8	1448.7
17.5°	1168.8	1173.7	1185.7	1196.6	1231.6	1288.3	1347.4	1377.5	1423.4	1452.3	1414.9
20°	1170.1	1155.6	1155.6	1166.4	1185.7	1253.3	1316.0	1325.7	1388.4	1437.8	1412.5
22.5°	1171.3	1166.4	1155.6	1154.4	1162.8	1211.1	1275.0	1296.7	1364.3	1422.2	1392.0
25°	1188.1	1170.1	1171.3	1154.4	1158.0	1182.1	1232.8	1265.3	1342.5	1430.6	1381.1
27.5°	1202.6	1211.1	1194.2	1186.9	1166.4	1165.2	1207.4	1235.2	1331.7	1449.9	1388.4
30°	1235.2	1241.2	1241.2	1236.4	1217.1	1189.4	1199.0	1234.0	1310.0	1446.3	1376.3
32.5°	1289.5	1278.6	1293.1	1285.8	1260.5	1217.1	1225.5	1243.6	1323.2	1492.1	1395.6
35°	1307.6	1316.0	1335.3	1319.6	1311.2	1285.8	1269.0	1282.2	1342.5	1538.0	1424.6
37.5°	1363.0	1351.0	1364.3	1399.2	1407.7	1361.8	1329.3	1348.6	1414.9	1592.2	1451.1
40°	1367.9	1377.5	1401.6	1470.4	1478.8	1459.5	1433.0	1437.8	1487.3	1662.2	1517.4
42.5°	1392.0	1402.9	1452.3	1510.2	1556.0	1559.7	1540.4	1540.4	1582.6	1774.4	1591.0
45°	1439.0	1420.9	1484.9	1582.6	1648.9	1662.2	1687.5	1681.5	1715.3	1892.6	1728.5
47.5°	1457.1	1463.2	1533.1	1651.3	1727.3	1788.9	1831.1	1832.3	1849.2	2043.4	1907.1
50°	1516.2	1515.0	1599.5	1709.2	1821.4	1933.6	2015.6	2015.6	2014.4	2190.5	2060.3
52.5°	1594.6	1592.2	1657.4	1787.6	1933.6	2074.7	2183.3	2186.9	2214.7	2371.5	2236.4
55°	1722.5	1711.7	1774.4	1870.9	2045.8	2217.1	2405.2	2406.4	2384.7	2500.5	2363.0
57.5°	1829.9	1828.7	1880.5	1973.4	2171.2	2400.4	2618.7	2651.3	2582.6	2633.2	2464.3
60°	1802.1	1817.8	1925.2	2062.7	2303.9	2629.6	2849.1	2899.8	2790.0	2723.7	2540.3
62.5°	1629.6	1665.8	1782.8	2002.4	2416.1	2962.5	3166.4	3143.5	2898.6	2800.9	2633.2
65°	1172.5	1208.7	1353.4	1682.7	2285.8	3197.7	3583.7	3480.0	3091.6	2915.5	2757.5
67.5°	690.0	704.4	794.9	1073.6	1709.2	3069.9	4090.4	4098.8	3471.6	3091.6	2972.2
70°	498.2	509.0	544.0	633.3	946.9	2406.4	4372.6	4592.1	3998.7	3294.2	2858.8
72.5°	382.4	382.4	441.5	527.1	603.1	1441.5	4024.0	4464.3	4113.3	3100.0	2303.9
75°	275.0	282.3	346.2	453.5	556.1	723.7	2964.9	3542.7	3486.0	2512.6	1609.1
77.5°	158.0	161.6	243.7	380.0	522.3	497.0	1832.3	2401.6	2469.2	1572.9	697.2
80°	80.8	83.2	136.3	300.4	472.8	433.0	1092.9	1581.4	1341.3	457.2	161.6
82.5°	39.8	39.8	61.5	191.8	401.7	383.6	642.9	873.3	475.3	104.9	67.5
85°	13.3	14.5	27.7	108.6	290.7	231.6	393.2	414.9	159.2	39.8	37.4
87.5°	3.6	4.8	7.2	39.8	126.7	152.0	234.0	265.4	65.1	15.7	18.1
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°	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1	1597.1
2.5°	1571.7	1563.3	1553.6	1529.5	1510.2	1484.9	1468.0	1454.7	1429.4	1434.2	1423.4
5°	1556.0	1540.4	1484.9	1431.8	1383.6	1310.0	1259.3	1226.7	1200.2	1173.7	1193.0
7.5°	1528.3	1490.9	1404.1	1305.1	1202.6	1106.1	1009.6	951.7	909.5	870.9	869.7
10°	1481.3	1420.9	1284.6	1155.6	997.6	870.9	747.9	651.4	588.6	542.8	541.6
12.5°	1428.2	1365.5	1194.2	984.3	802.1	623.6	476.5	373.9	314.8	278.6	273.8
15°	1394.4	1302.7	1080.8	832.3	606.7	406.5	264.2	200.2	177.3	168.9	168.9
17.5°	1351.0	1246.0	968.6	674.3	421.0	235.2	171.3	154.4	153.2	150.8	148.4
20°	1332.9	1202.6	868.5	538.0	266.6	166.5	147.2	143.5	143.5	141.1	138.7
22.5°	1284.6	1139.9	762.3	394.4	177.3	146.0	138.7	133.9	131.5	129.1	131.5
25°	1262.9	1095.3	662.2	272.6	144.7	130.3	126.7	121.8	118.2	117.0	117.0
27.5°	1248.5	1050.6	564.5	189.4	127.9	119.4	112.2	108.6	103.7	98.9	98.9
30°	1237.6	1015.7	470.4	139.9	114.6	106.1	100.1	91.7	85.6	80.8	80.8
32.5°	1223.1	974.6	376.3	119.4	103.7	95.3	84.4	77.2	68.8	65.1	65.1
35°	1228.0	946.9	295.5	106.1	92.9	82.0	72.4	62.7	54.3	50.7	49.5
37.5°	1237.6	926.4	224.4	95.3	83.2	71.2	60.3	49.5	44.6	39.8	39.8
40°	1278.6	920.4	165.3	88.1	76.0	62.7	50.7	41.0	36.2	32.6	31.4
42.5°	1347.4	928.8	127.9	79.6	68.8	53.1	42.2	33.8	28.9	25.3	24.1
45°	1435.4	961.4	104.9	74.8	60.3	44.6	33.8	27.7	21.7	19.3	19.3
47.5°	1563.3	1012.0	91.7	68.8	53.1	37.4	28.9	21.7	16.9	14.5	14.5
50°	1708.0	1069.9	80.8	61.5	45.8	31.4	22.9	16.9	12.1	10.9	10.9
52.5°	1852.8	1143.5	74.8	56.7	39.8	25.3	18.1	12.1	8.4	7.2	7.2
55°	2004.8	1208.7	67.5	53.1	32.6	20.5	13.3	7.2	4.8	3.6	3.6
57.5°	2110.9	1234.0	59.1	45.8	25.3	15.7	9.6	4.8	2.4	1.2	1.2
60°	2186.9	1237.6	50.7	37.4	19.3	12.1	6.0	2.4	1.2	0.0	0.0
62.5°	2250.8	1244.8	43.4	28.9	14.5	8.4	3.6	1.2	0.0	0.0	0.0
65°	2377.5	1238.8	35.0	22.9	9.6	4.8	2.4	0.0	0.0	0.0	0.0
67.5°	2477.6	1178.5	27.7	15.7	6.0	2.4	1.2	0.0	0.0	0.0	0.0
70°	2191.7	898.6	21.7	10.9	3.6	1.2	0.0	0.0	0.0	0.0	0.0
72.5°	1721.3	599.5	14.5	6.0	2.4	1.2	0.0	0.0	0.0	0.0	0.0
75°	1129.0	297.9	10.9	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	439.1	78.4	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	106.1	26.5	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	45.8	9.6	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.7	4.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.5	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)