

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: P673821

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673821
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-730-U-SL3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ SL3 distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

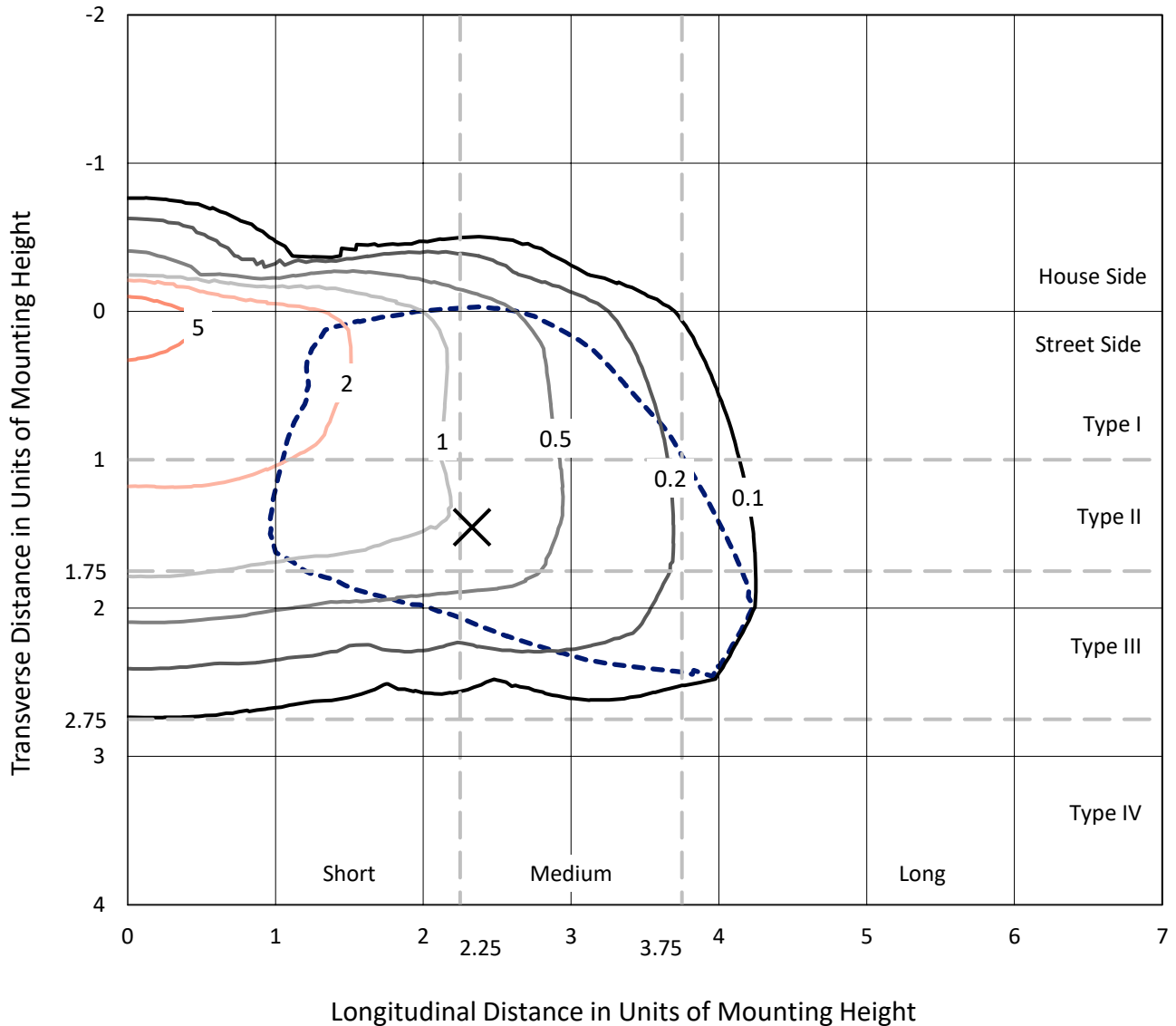
Lumens per Lamp: N/A
Luminaire Lumens: 5641.8 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

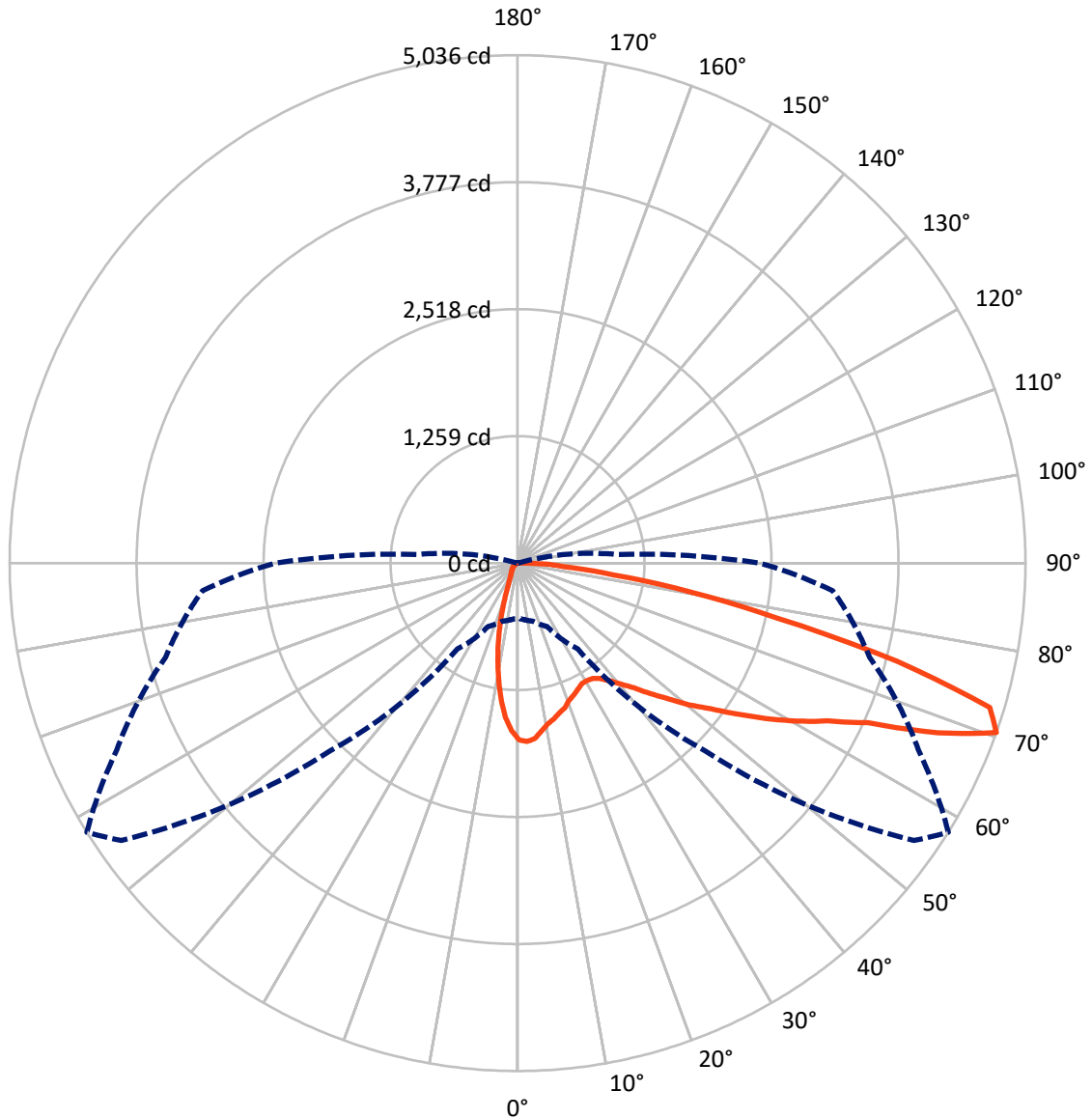
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.8 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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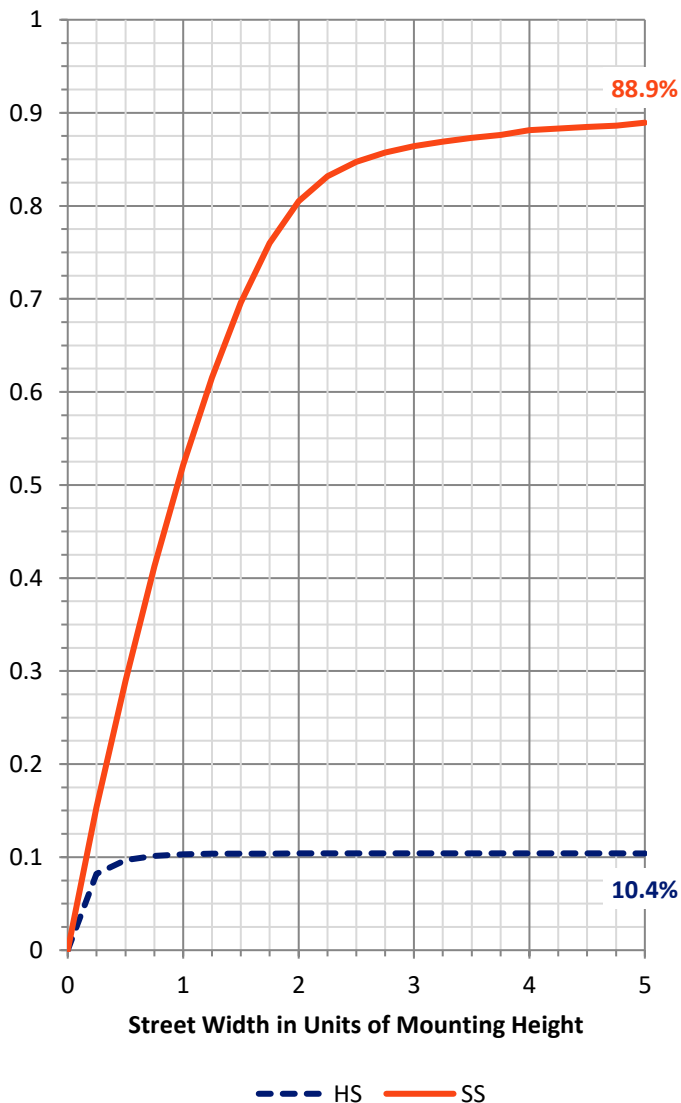
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	590.8	0.0	590.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5051.0	0.0	5051.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	5641.8	0.0	5641.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	2.5
10°-20°	297.5	5.3
20°-30°	398.3	7.1
30°-40°	538.5	9.5
40°-50°	772.8	13.7
50°-60°	1138.9	20.2
60°-70°	1389.2	24.6
70°-80°	848.3	15.0
80°-90°	115.2	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°	5641.8	100.0
0°-180°	5641.8	100.0



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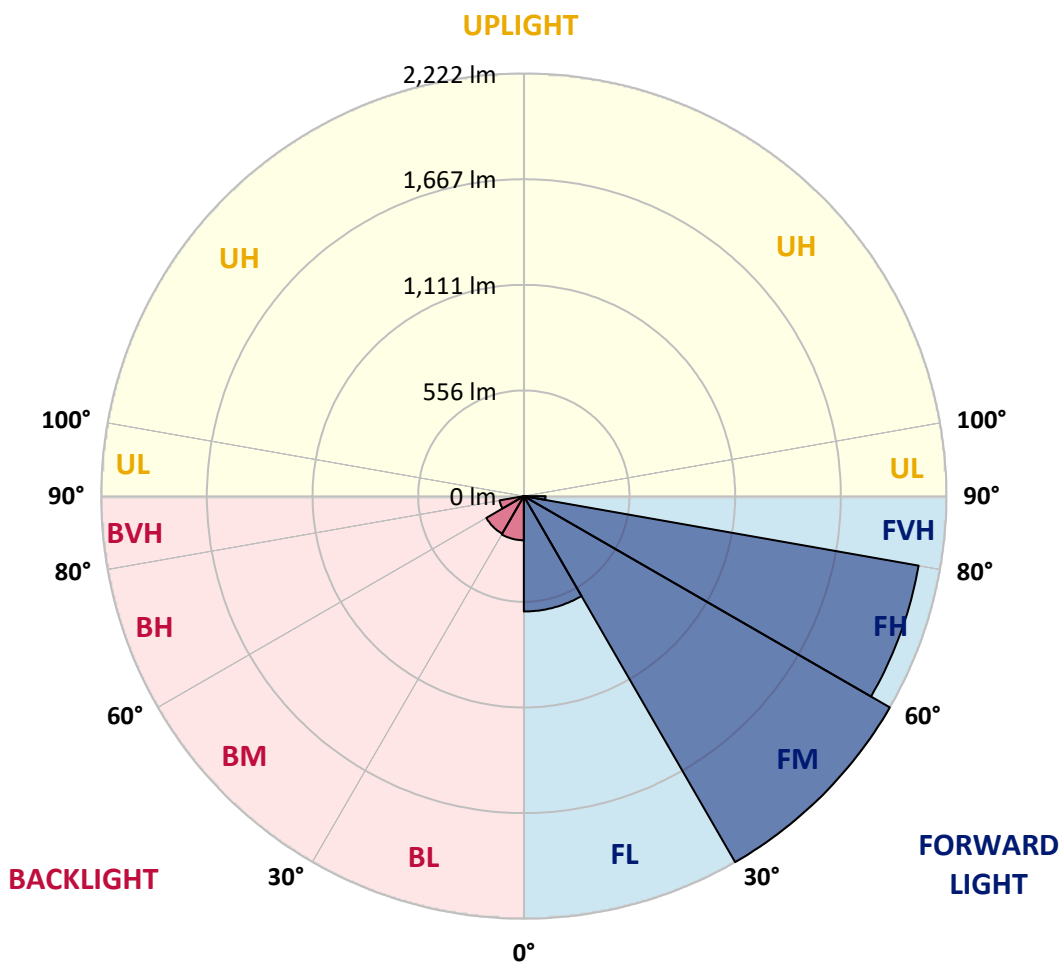
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	606.6	10.8			
FM (30°-60°)	2222.2	39.4			
FH (60°-80°)	2108.0	37.4			G2/5000
FVH (80°-90°)	114.1	2.0			G2/225
BL (0°-30°)	232.2	4.1	B1/500		
BM (30°-60°)	228.0	4.0	B1/1000		
BH (60°-80°)	129.5	2.3	B1/500		G1/500
BVH (80°-90°)	1.1	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°	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4
2.5°	1783.1	1789.7	1773.9	1792.4	1775.2	1783.1	1773.9	1771.2	1772.5	1773.9	1763.3
5°	1699.8	1715.7	1722.3	1711.7	1736.8	1732.9	1748.7	1750.1	1743.4	1736.8	1738.2
7.5°	1590.0	1605.9	1612.5	1619.1	1644.2	1677.3	1698.5	1685.2	1695.8	1719.6	1683.9
10°	1510.6	1506.7	1505.3	1518.6	1566.2	1594.0	1629.7	1625.7	1652.2	1674.7	1645.6
12.5°	1412.7	1404.8	1428.6	1439.2	1481.5	1530.5	1558.3	1587.4	1613.8	1637.6	1604.5
15°	1340.0	1346.6	1355.9	1378.4	1408.8	1473.6	1514.6	1542.4	1590.0	1601.9	1588.7
17.5°	1281.8	1287.1	1300.3	1312.2	1350.6	1412.7	1477.6	1510.6	1560.9	1592.6	1551.6
20°	1283.1	1267.2	1267.2	1279.1	1300.3	1374.4	1443.2	1453.8	1522.5	1576.8	1549.0
22.5°	1284.4	1279.1	1267.2	1265.9	1275.2	1328.1	1398.2	1422.0	1496.1	1559.6	1526.5
25°	1303.0	1283.1	1284.4	1265.9	1269.9	1296.3	1351.9	1387.6	1472.3	1568.8	1514.6
27.5°	1318.8	1328.1	1309.6	1301.6	1279.1	1277.8	1324.1	1354.5	1460.4	1590.0	1522.5
30°	1354.5	1361.2	1361.2	1355.9	1334.7	1304.3	1314.9	1353.2	1436.6	1586.0	1509.3
32.5°	1414.1	1402.2	1418.0	1410.1	1382.3	1334.7	1344.0	1363.8	1451.1	1636.3	1530.5
35°	1433.9	1443.2	1464.3	1447.1	1437.9	1410.1	1391.6	1406.1	1472.3	1686.6	1562.2
37.5°	1494.8	1481.5	1496.1	1534.4	1543.7	1493.4	1457.7	1478.9	1551.6	1746.1	1591.3
40°	1500.0	1510.6	1537.1	1612.5	1621.7	1600.6	1571.5	1576.8	1631.0	1822.8	1664.1
42.5°	1526.5	1538.4	1592.6	1656.1	1706.4	1710.4	1689.2	1689.2	1735.5	1945.8	1744.8
45°	1578.1	1558.3	1628.4	1735.5	1808.3	1822.8	1850.6	1844.0	1881.0	2075.5	1895.6
47.5°	1597.9	1604.5	1681.3	1810.9	1894.2	1961.7	2008.0	2009.3	2027.8	2240.8	2091.3
50°	1662.8	1661.4	1754.0	1874.4	1997.4	2120.4	2210.4	2210.4	2209.1	2402.2	2259.3
52.5°	1748.7	1746.1	1817.5	1960.4	2120.4	2275.2	2394.3	2398.2	2428.6	2600.6	2452.5
55°	1888.9	1877.0	1945.8	2051.7	2243.5	2431.3	2637.7	2639.0	2615.2	2742.2	2591.4
57.5°	2006.7	2005.4	2062.2	2164.1	2381.0	2632.4	2871.8	2907.5	2832.1	2887.7	2702.5
60°	1976.3	1993.5	2111.2	2262.0	2526.5	2883.7	3124.4	3180.0	3059.6	2986.9	2785.8
62.5°	1787.1	1826.8	1955.1	2195.8	2649.6	3248.8	3472.3	3447.2	3178.7	3071.5	2887.7
65°	1285.8	1325.4	1484.2	1845.3	2506.7	3506.7	3930.0	3816.3	3390.3	3197.2	3023.9
67.5°	756.6	772.5	871.7	1177.3	1874.4	3366.5	4485.6	4494.9	3807.0	3390.3	3259.4
70°	546.3	558.2	596.6	694.5	1038.4	2639.0	4795.1	5035.9	4385.1	3612.6	3135.0
72.5°	419.3	419.3	484.1	578.1	661.4	1580.7	4412.8	4895.7	4510.7	3399.6	2526.5
75°	301.6	309.5	379.6	497.4	609.8	793.7	3251.4	3885.0	3822.9	2755.4	1764.6
77.5°	173.3	177.3	267.2	416.7	572.8	545.0	2009.3	2633.7	2707.8	1724.9	764.6
80°	88.6	91.3	149.5	329.4	518.5	474.9	1198.5	1734.2	1470.9	501.3	177.3
82.5°	43.7	43.7	67.5	210.3	440.5	420.6	705.0	957.7	521.2	115.1	74.1
85°	14.6	15.9	30.4	119.1	318.8	254.0	431.2	455.0	174.6	43.7	41.0
87.5°	4.0	5.3	7.9	43.7	138.9	166.7	256.6	291.0	71.4	17.2	19.8
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°	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4
2.5°	1723.6	1714.3	1703.8	1677.3	1656.1	1628.4	1609.8	1595.3	1567.5	1572.8	1560.9
5°	1706.4	1689.2	1628.4	1570.2	1517.2	1436.6	1381.0	1345.3	1316.2	1287.1	1308.2
7.5°	1676.0	1635.0	1539.7	1431.3	1318.8	1213.0	1107.2	1043.7	997.4	955.1	953.7
10°	1624.4	1558.3	1408.8	1267.2	1094.0	955.1	820.1	714.3	645.5	595.3	593.9
12.5°	1566.2	1497.4	1309.6	1079.4	879.7	683.9	522.5	410.1	345.2	305.6	300.3
15°	1529.1	1428.6	1185.2	912.7	665.4	445.8	289.7	219.6	194.5	185.2	185.2
17.5°	1481.5	1366.4	1062.2	739.4	461.7	257.9	187.8	169.3	168.0	165.3	162.7
20°	1461.7	1318.8	952.4	590.0	292.3	182.5	161.4	157.4	157.4	154.8	152.1
22.5°	1408.8	1250.0	836.0	432.6	194.5	160.1	152.1	146.8	144.2	141.5	144.2
25°	1385.0	1201.1	726.2	299.0	158.7	142.9	138.9	133.6	129.6	128.3	128.3
27.5°	1369.1	1152.2	619.1	207.7	140.2	131.0	123.0	119.1	113.8	108.5	108.5
30°	1357.2	1113.8	515.9	153.4	125.7	116.4	109.8	100.5	93.9	88.6	88.6
32.5°	1341.3	1068.8	412.7	131.0	113.8	104.5	92.6	84.7	75.4	71.4	71.4
35°	1346.6	1038.4	324.1	116.4	101.9	89.9	79.4	68.8	59.5	55.6	54.2
37.5°	1357.2	1015.9	246.0	104.5	91.3	78.0	66.1	54.2	48.9	43.7	43.7
40°	1402.2	1009.3	181.2	96.6	83.3	68.8	55.6	45.0	39.7	35.7	34.4
42.5°	1477.6	1018.6	140.2	87.3	75.4	58.2	46.3	37.0	31.7	27.8	26.5
45°	1574.1	1054.3	115.1	82.0	66.1	48.9	37.0	30.4	23.8	21.2	21.2
47.5°	1714.3	1109.8	100.5	75.4	58.2	41.0	31.7	23.8	18.5	15.9	15.9
50°	1873.1	1173.3	88.6	67.5	50.3	34.4	25.1	18.5	13.2	11.9	11.9
52.5°	2031.8	1254.0	82.0	62.2	43.7	27.8	19.8	13.2	9.3	7.9	7.9
55°	2198.5	1325.4	74.1	58.2	35.7	22.5	14.6	7.9	5.3	4.0	4.0
57.5°	2314.9	1353.2	64.8	50.3	27.8	17.2	10.6	5.3	2.6	1.3	1.3
60°	2398.2	1357.2	55.6	41.0	21.2	13.2	6.6	2.6	1.3	0.0	0.0
62.5°	2468.3	1365.1	47.6	31.7	15.9	9.3	4.0	1.3	0.0	0.0	0.0
65°	2607.2	1358.5	38.4	25.1	10.6	5.3	2.6	0.0	0.0	0.0	0.0
67.5°	2717.0	1292.4	30.4	17.2	6.6	2.6	1.3	0.0	0.0	0.0	0.0
70°	2403.5	985.5	23.8	11.9	4.0	1.3	0.0	0.0	0.0	0.0	0.0
72.5°	1887.6	657.4	15.9	6.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	1238.1	326.7	11.9	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	481.5	86.0	7.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	116.4	29.1	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	50.3	10.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.4	5.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.9	2.6	1.3	1.3	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)