

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: P675614

Luminaire Tested: **CCW-SA-1F-835-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675614  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1F-835-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/  
SL3 distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

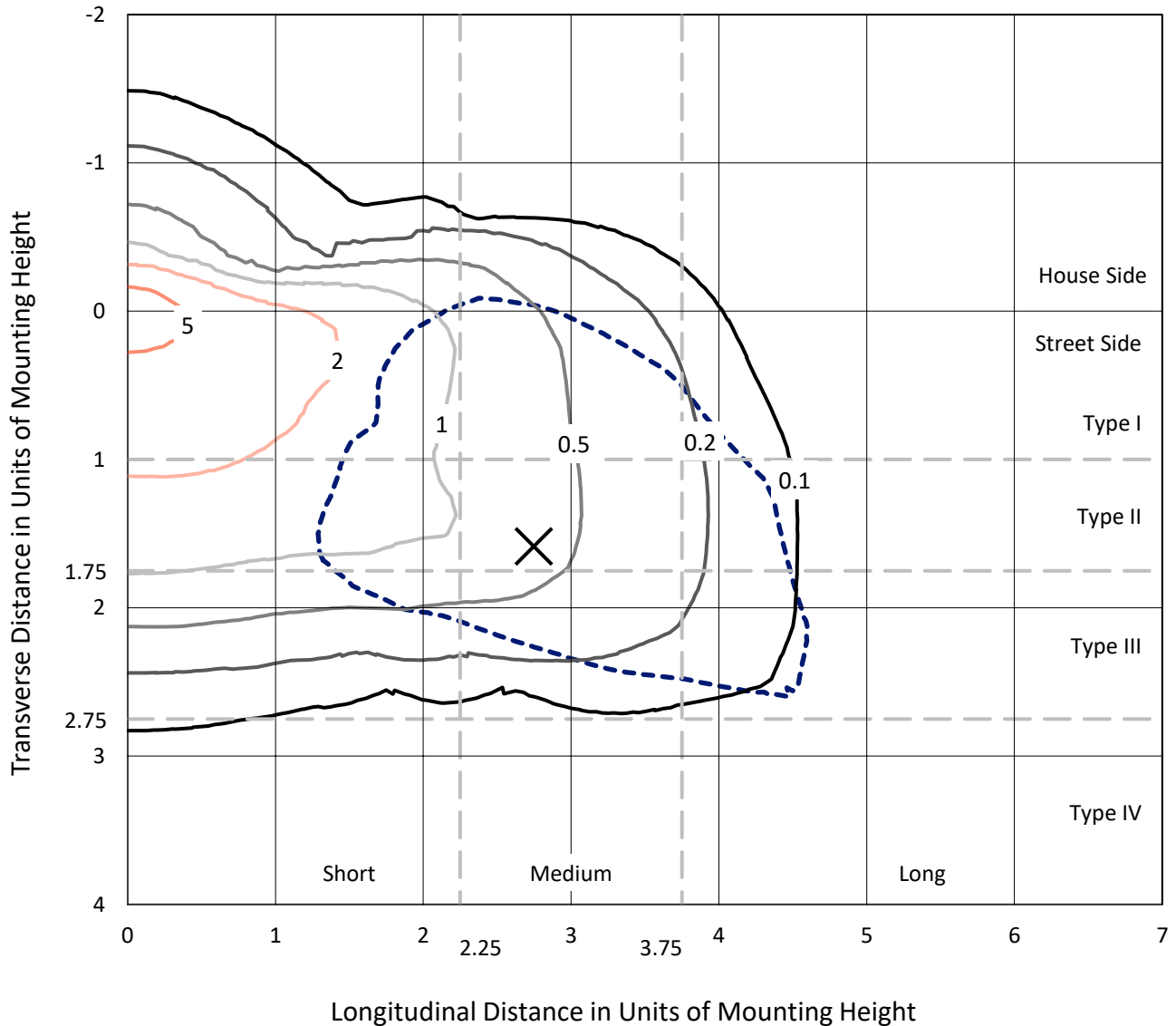
Lumens per Lamp: N/A  
Luminaire Lumens: 6108.5 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

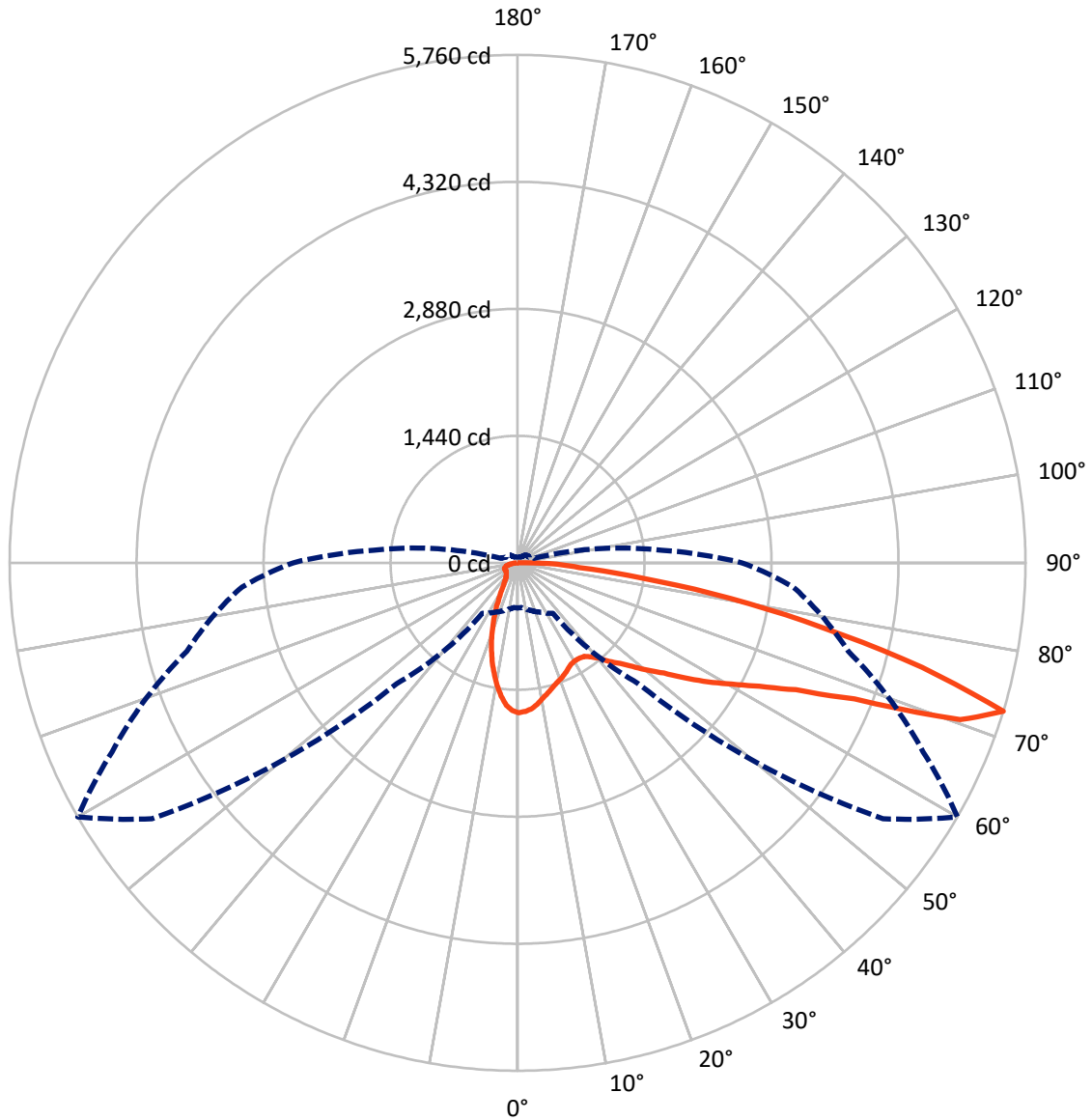
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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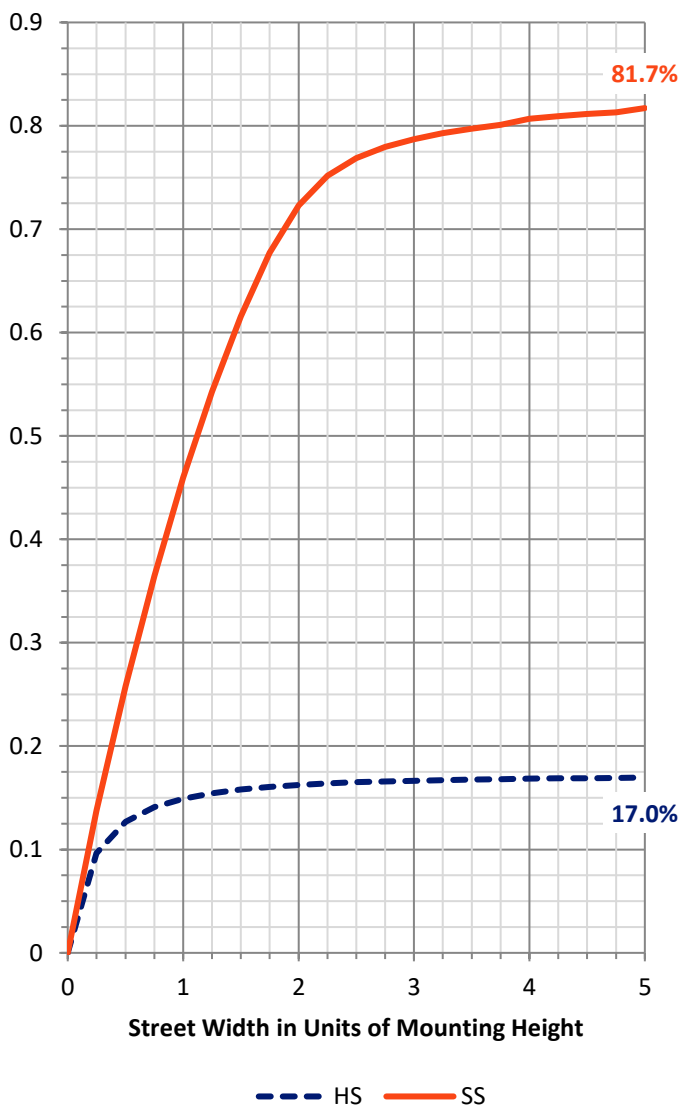
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1049.3	0.0	1049.3
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	5059.2	0.0	5059.2
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	6108.5	0.0	6108.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.4	2.4
10°-20°	334.3	5.5
20°-30°	427.9	7.0
30°-40°	547.4	9.0
40°-50°	750.7	12.3
50°-60°	1085.8	17.8
60°-70°	1489.5	24.4
70°-80°	1117.8	18.3
80°-90°	207.7	3.4
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°	6108.5	100.0
0°-180°	6108.5	100.0

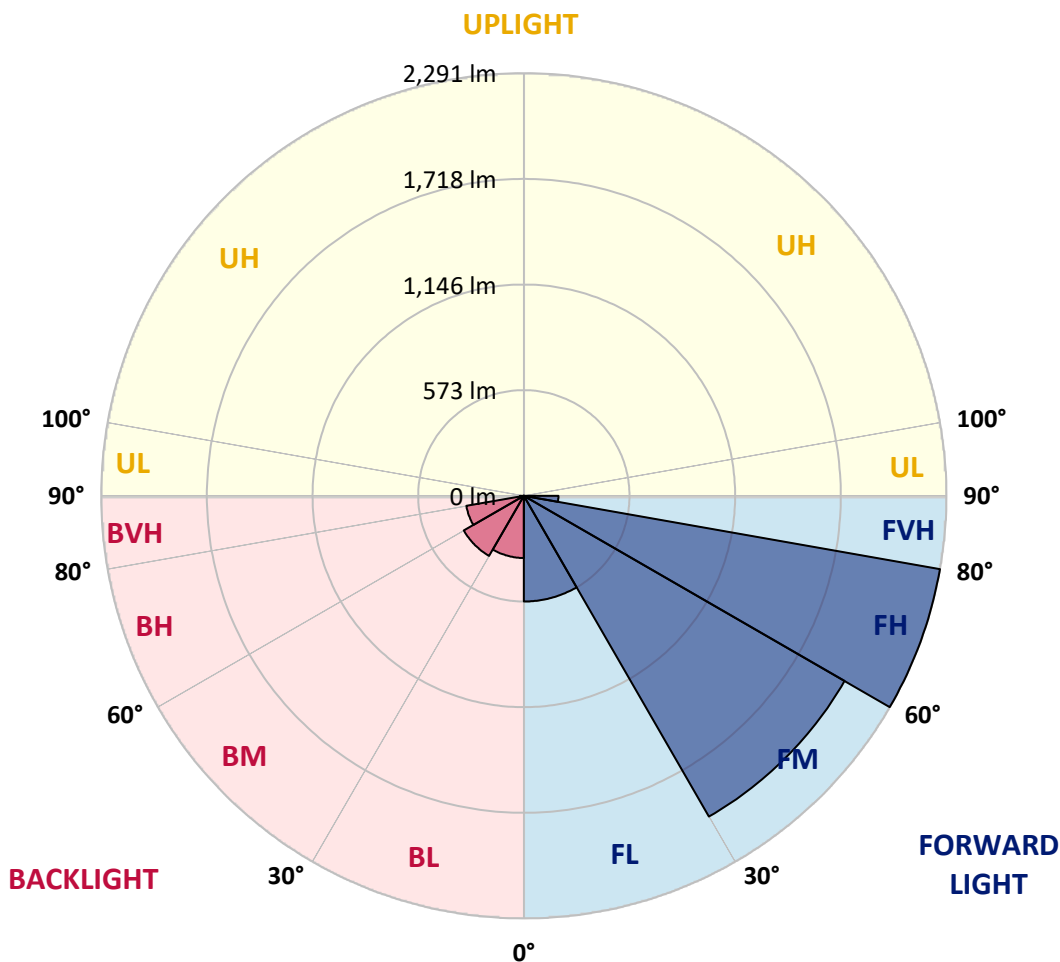


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.8	9.4			
FM (30°-60°)	2007.8	32.9			
FH (60°-80°)	2291.1	37.5			G2/5000
FVH (80°-90°)	187.5	3.1			G2/225
BL (0°-30°)	336.8	5.5	B1/500		
BM (30°-60°)	376.0	6.2	B1/1000		
BH (60°-80°)	316.2	5.2	B1/500		G1/500
BVH (80°-90°)	20.2	0.3			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9
2.5°	1664.5	1680.5	1685.0	1685.0	1698.6	1682.7	1705.5	1687.3	1691.8	1698.6	1694.1
5°	1584.9	1612.2	1596.3	1625.9	1614.5	1635.0	1662.3	1662.3	1655.4	1669.1	1657.7
7.5°	1507.6	1498.5	1525.8	1525.8	1544.0	1571.3	1594.0	1616.8	1619.1	1623.6	1621.3
10°	1403.0	1414.4	1428.0	1446.2	1469.0	1496.3	1544.0	1562.2	1566.8	1594.0	1587.2
12.5°	1316.6	1332.5	1341.6	1378.0	1398.5	1437.1	1491.7	1516.7	1519.0	1557.7	1557.7
15°	1253.0	1262.0	1282.5	1296.2	1341.6	1396.2	1448.5	1471.3	1496.3	1537.2	1525.8
17.5°	1209.7	1221.1	1230.2	1248.4	1291.6	1337.1	1418.9	1432.6	1462.2	1521.3	1507.6
20°	1184.7	1187.0	1200.6	1212.0	1250.7	1293.9	1366.6	1403.0	1441.7	1494.0	1480.3
22.5°	1189.3	1180.2	1177.9	1193.8	1200.6	1241.6	1330.3	1368.9	1423.5	1484.9	1462.2
25°	1198.4	1200.6	1196.1	1182.5	1184.7	1221.1	1280.2	1330.3	1391.7	1482.6	1437.1
27.5°	1221.1	1232.5	1214.3	1200.6	1187.0	1200.6	1262.0	1298.4	1366.6	1494.0	1434.9
30°	1243.9	1255.2	1250.7	1230.2	1202.9	1198.4	1241.6	1287.1	1353.0	1503.1	1434.9
32.5°	1278.0	1293.9	1278.0	1284.8	1253.0	1232.5	1248.4	1289.3	1366.6	1534.9	1437.1
35°	1316.6	1330.3	1334.8	1318.9	1312.1	1273.4	1282.5	1303.0	1380.3	1571.3	1459.9
37.5°	1359.8	1375.7	1389.4	1391.7	1368.9	1346.2	1341.6	1353.0	1414.4	1635.0	1484.9
40°	1389.4	1398.5	1425.8	1448.5	1455.3	1423.5	1421.2	1421.2	1475.8	1691.8	1530.4
42.5°	1439.4	1434.9	1473.5	1514.5	1525.8	1507.6	1512.2	1530.4	1562.2	1773.7	1603.1
45°	1464.4	1459.9	1505.4	1573.6	1625.9	1616.8	1621.3	1628.2	1657.7	1903.3	1725.9
47.5°	1498.5	1503.1	1569.0	1646.3	1700.9	1732.8	1757.8	1755.5	1778.2	2035.2	1862.4
50°	1532.6	1541.7	1621.3	1703.2	1798.7	1853.3	1889.7	1914.7	1937.4	2173.9	2019.3
52.5°	1598.6	1607.7	1696.4	1785.1	1907.8	1987.4	2078.4	2076.1	2078.4	2312.6	2176.2
55°	1694.1	1696.4	1748.7	1851.0	2017.0	2162.5	2287.6	2301.2	2262.6	2485.4	2355.8
57.5°	1803.2	1812.3	1857.8	1935.1	2103.4	2330.8	2521.8	2549.1	2444.5	2626.4	2519.5
60°	1905.6	1912.4	1982.9	2071.6	2253.5	2542.3	2758.3	2790.1	2676.4	2799.2	2690.1
62.5°	1789.6	1823.7	1948.8	2151.2	2517.3	2862.9	3058.5	3078.9	2901.6	2974.3	2872.0
65°	1432.6	1455.3	1635.0	1962.4	2535.5	3445.0	3522.4	3467.8	3210.8	3199.5	3147.2
67.5°	798.2	816.4	939.1	1282.5	2135.2	3663.3	4520.6	4120.4	3690.6	3538.3	3520.1
70°	629.9	634.4	650.4	720.8	1184.7	3229.0	5307.4	5325.6	4475.1	4004.4	3599.7
72.5°	511.6	509.4	557.1	618.5	700.4	1937.4	5059.6	5759.9	5075.5	3881.6	3135.8
75°	391.1	397.9	459.3	548.0	641.3	911.9	3774.8	4738.9	4754.8	3617.9	2644.6
77.5°	297.9	300.2	368.4	484.4	627.6	643.5	2462.7	3531.5	3547.4	2801.5	1457.6
80°	222.8	222.8	279.7	409.3	611.7	593.5	1516.7	2449.1	2217.1	984.6	318.4
82.5°	127.3	136.4	186.5	311.5	554.8	570.8	855.0	1403.0	936.9	268.3	147.8
85°	68.2	70.5	113.7	209.2	457.1	545.7	652.6	698.1	372.9	143.3	68.2
87.5°	25.0	25.0	52.3	106.9	288.8	404.8	518.5	445.7	213.8	65.9	34.1
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°	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9	1700.9
2.5°	1698.6	1689.5	1682.7	1689.5	1664.5	1653.2	1666.8	1660.0	1646.3	1639.5	1635.0
5°	1664.5	1653.2	1641.8	1635.0	1607.7	1580.4	1566.8	1539.5	1516.7	1523.6	1509.9
7.5°	1628.2	1616.8	1582.7	1550.8	1496.3	1441.7	1416.7	1378.0	1364.4	1353.0	1346.2
10°	1582.7	1562.2	1509.9	1446.2	1366.6	1305.3	1241.6	1196.1	1148.3	1127.9	1134.7
12.5°	1525.8	1514.5	1432.6	1334.8	1223.4	1121.1	1046.0	973.3	909.6	875.5	866.4
15°	1500.8	1466.7	1348.5	1218.8	1077.9	950.5	839.1	711.7	636.7	600.3	600.3
17.5°	1473.5	1409.9	1268.9	1091.5	930.0	766.3	609.4	493.4	434.3	413.9	413.9
20°	1430.3	1359.8	1175.6	971.0	775.4	577.6	436.6	372.9	354.7	341.1	343.4
22.5°	1398.5	1312.1	1089.2	852.7	614.0	429.8	343.4	322.9	316.1	311.5	313.8
25°	1362.1	1255.2	998.3	725.4	482.1	338.8	297.9	288.8	293.3	295.6	295.6
27.5°	1332.5	1207.5	905.0	589.0	363.8	286.5	268.3	266.1	275.1	279.7	282.0
30°	1312.1	1164.3	814.1	463.9	291.1	254.7	245.6	245.6	257.0	261.5	263.8
32.5°	1291.6	1127.9	716.3	354.7	247.9	227.4	225.1	227.4	234.2	234.2	236.5
35°	1298.4	1093.8	623.1	286.5	222.8	209.2	209.2	209.2	211.5	213.8	213.8
37.5°	1312.1	1084.7	523.0	241.0	204.7	195.6	195.6	193.3	195.6	193.3	195.6
40°	1325.7	1071.0	432.1	213.8	193.3	186.5	184.2	179.6	177.4	177.4	179.6
42.5°	1382.6	1089.2	354.7	195.6	184.2	179.6	172.8	168.3	166.0	166.0	166.0
45°	1455.3	1123.3	293.3	186.5	177.4	166.0	161.5	159.2	154.6	156.9	159.2
47.5°	1564.5	1175.6	257.0	179.6	170.5	156.9	152.4	147.8	147.8	152.4	152.4
50°	1707.7	1262.0	234.2	172.8	163.7	150.1	143.3	141.0	141.0	147.8	147.8
52.5°	1862.4	1362.1	225.1	170.5	156.9	143.3	136.4	134.2	134.2	143.3	143.3
55°	2017.0	1484.9	231.9	170.5	152.4	136.4	129.6	125.1	127.3	134.2	134.2
57.5°	2187.5	1616.8	266.1	170.5	147.8	134.2	125.1	118.2	120.5	122.8	122.8
60°	2374.0	1789.6	325.2	170.5	145.5	129.6	118.2	109.1	109.1	111.4	111.4
62.5°	2562.7	1960.2	409.3	172.8	147.8	127.3	109.1	100.1	97.8	100.1	100.1
65°	2810.6	2233.0	493.4	172.8	154.6	122.8	102.3	91.0	88.7	88.7	91.0
67.5°	3158.5	2428.6	382.0	166.0	159.2	122.8	95.5	84.1	79.6	79.6	79.6
70°	2974.3	2048.8	243.3	154.6	152.4	127.3	91.0	77.3	72.8	70.5	70.5
72.5°	2546.8	1639.5	195.6	145.5	141.0	125.1	86.4	72.8	65.9	63.7	63.7
75°	2042.0	1293.9	170.5	131.9	122.8	104.6	79.6	65.9	61.4	56.8	56.8
77.5°	1000.5	541.2	129.6	116.0	104.6	79.6	70.5	61.4	54.6	50.0	50.0
80°	250.1	188.7	95.5	91.0	77.3	61.4	56.8	52.3	47.8	43.2	43.2
82.5°	134.2	111.4	68.2	61.4	52.3	43.2	43.2	40.9	38.7	34.1	31.8
85°	68.2	65.9	45.5	40.9	34.1	27.3	29.6	29.6	27.3	20.5	20.5
87.5°	36.4	36.4	22.7	18.2	15.9	13.6	13.6	13.6	11.4	9.1	9.1
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)