

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: P675547

Luminaire Tested: **CCW-SA-1E-735-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675547  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1E-735-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
SL3 distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

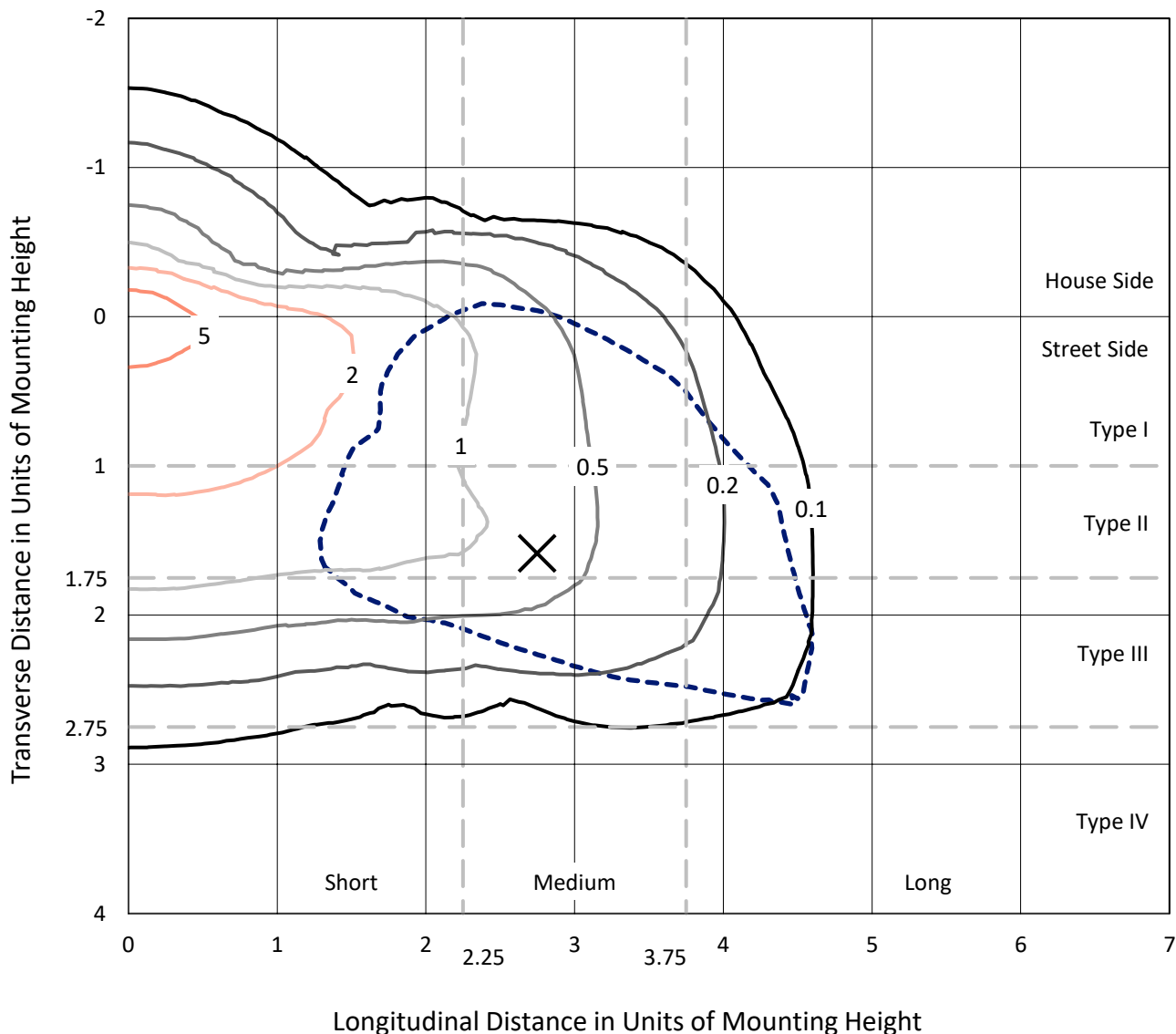
Lumens per Lamp: N/A  
Luminaire Lumens: 6667.4 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P675547  
 CATALOG NUMBER: CCW-SA-1E-735-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

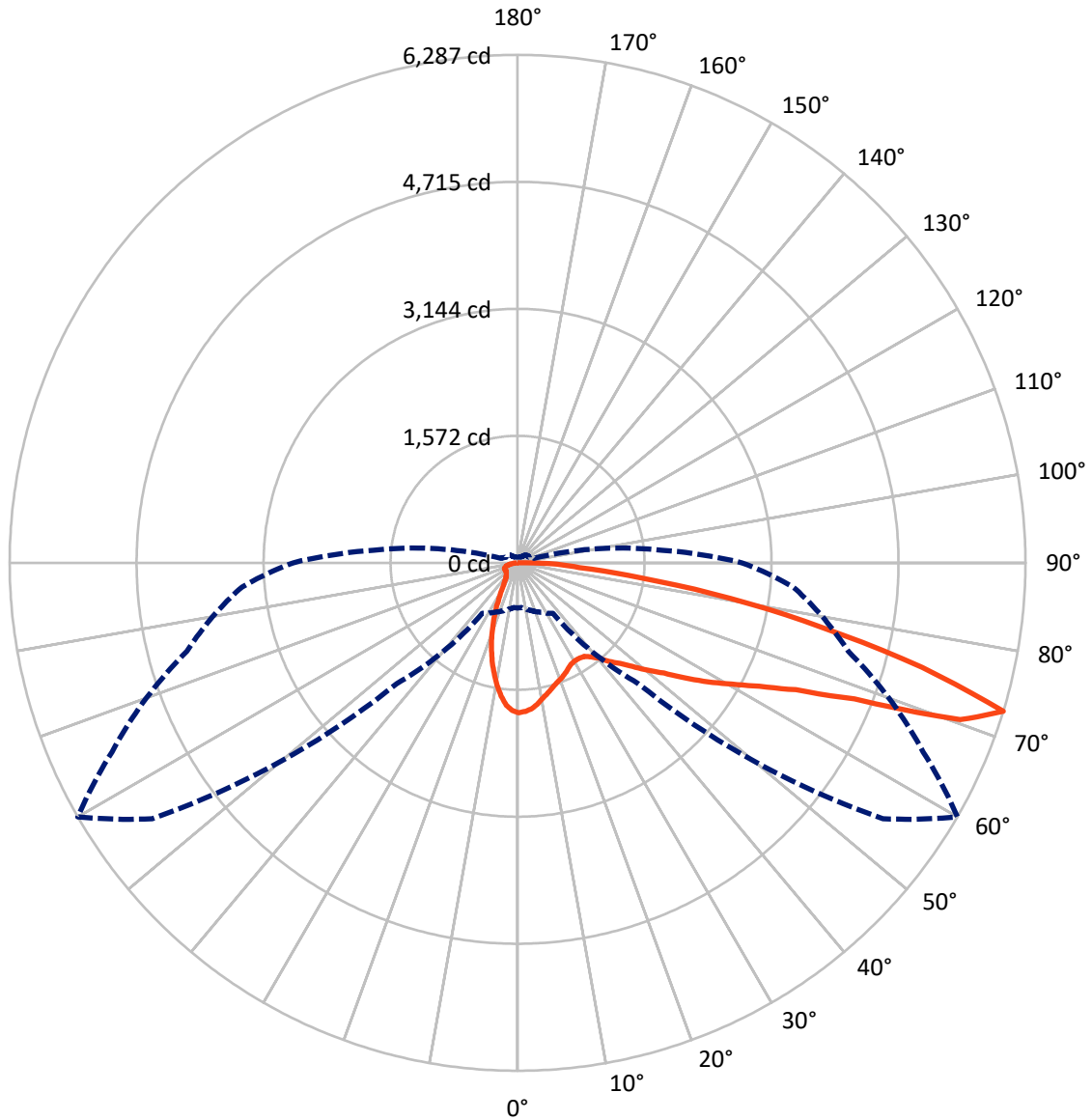
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.3 fc  
 Type III - Medium - N/A

REPORT NUMBER: P675547  
CATALOG NUMBER: CCW-SA-1E-735-U-SL3

### Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: CCW-SA-1E-735-U-SL3

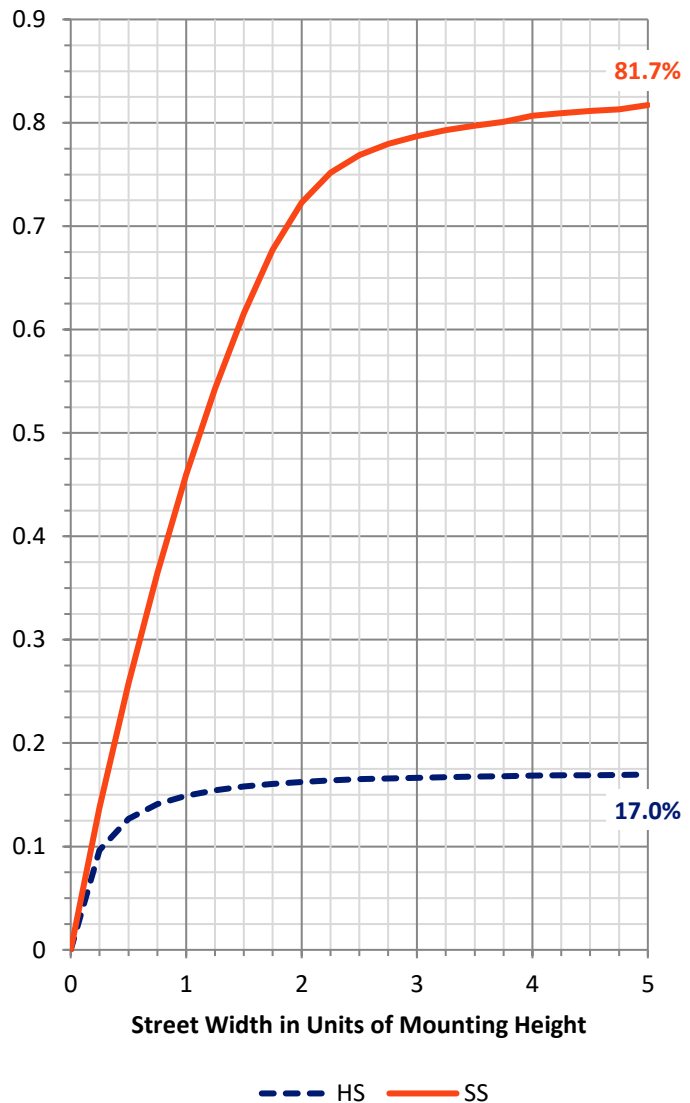
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1145.4	0.0	1145.4
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	5522.1	0.0	5522.1
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	6667.4	0.0	6667.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.9	2.4
10°-20°	364.9	5.5
20°-30°	467.0	7.0
30°-40°	597.4	9.0
40°-50°	819.4	12.3
50°-60°	1185.2	17.8
60°-70°	1625.8	24.4
70°-80°	1220.0	18.3
80°-90°	226.8	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°	6667.4	100.0
0°-180°	6667.4	100.0

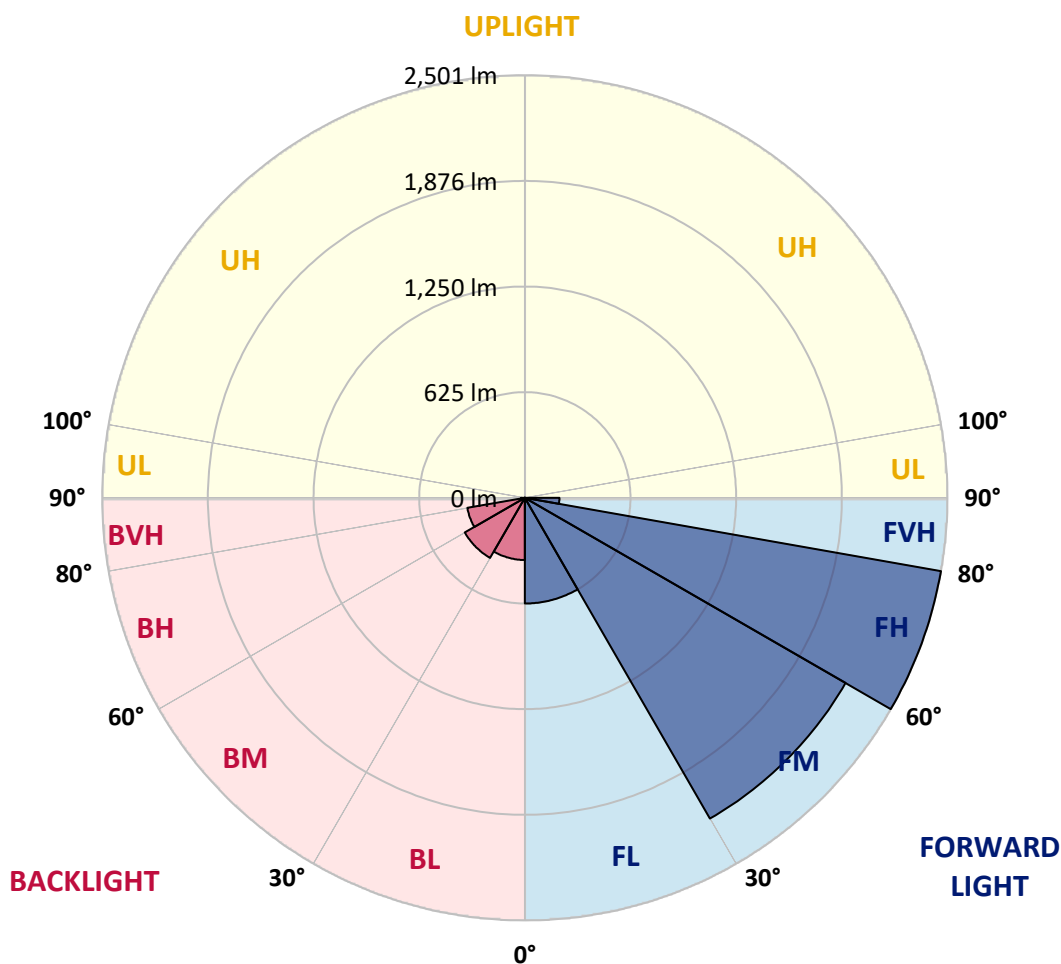


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 CATALOG NUMBER: CCW-SA-1E-735-U-SL3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.2	9.4			
FM (30°-60°)	2191.5	32.9			
FH (60°-80°)	2500.7	37.5			G2/5000
FVH (80°-90°)	204.7	3.1			G2/225
BL (0°-30°)	367.7	5.5	B1/500		
BM (30°-60°)	410.4	6.2	B1/1000		
BH (60°-80°)	345.1	5.2	B1/500		G1/500
BVH (80°-90°)	22.1	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





REPORT NUMBER: P675547

CATALOG NUMBER: CCW-SA-1E-735-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5
2.5°	1816.8	1834.2	1839.2	1839.2	1854.1	1836.7	1861.5	1841.7	1846.6	1854.1	1849.1
5°	1730.0	1759.8	1742.4	1774.6	1762.2	1784.6	1814.4	1814.4	1806.9	1821.8	1809.4
7.5°	1645.6	1635.6	1665.4	1665.4	1685.3	1715.1	1739.9	1764.7	1767.2	1772.2	1769.7
10°	1531.4	1543.8	1558.7	1578.6	1603.4	1633.2	1685.3	1705.1	1710.1	1739.9	1732.4
12.5°	1437.1	1454.5	1464.4	1504.1	1526.4	1568.6	1628.2	1655.5	1658.0	1700.2	1700.2
15°	1367.6	1377.5	1399.9	1414.8	1464.4	1524.0	1581.0	1605.9	1633.2	1677.8	1665.4
17.5°	1320.4	1332.8	1342.8	1362.6	1409.8	1459.4	1548.8	1563.7	1595.9	1660.5	1645.6
20°	1293.1	1295.6	1310.5	1322.9	1365.1	1412.3	1491.7	1531.4	1573.6	1630.7	1615.8
22.5°	1298.1	1288.2	1285.7	1303.1	1310.5	1355.2	1452.0	1494.2	1553.7	1620.8	1595.9
25°	1308.0	1310.5	1305.5	1290.6	1293.1	1332.8	1397.4	1452.0	1519.0	1618.3	1568.6
27.5°	1332.8	1345.3	1325.4	1310.5	1295.6	1310.5	1377.5	1417.2	1491.7	1630.7	1566.2
30°	1357.7	1370.1	1365.1	1342.8	1313.0	1308.0	1355.2	1404.8	1476.8	1640.6	1566.2
32.5°	1394.9	1412.3	1394.9	1402.3	1367.6	1345.3	1362.6	1407.3	1491.7	1675.4	1568.6
35°	1437.1	1452.0	1456.9	1439.6	1432.1	1389.9	1399.9	1422.2	1506.6	1715.1	1593.5
37.5°	1484.2	1501.6	1516.5	1519.0	1494.2	1469.4	1464.4	1476.8	1543.8	1784.6	1620.8
40°	1516.5	1526.4	1556.2	1581.0	1588.5	1553.7	1551.3	1551.3	1610.8	1846.6	1670.4
42.5°	1571.1	1566.2	1608.3	1653.0	1665.4	1645.6	1650.5	1670.4	1705.1	1936.0	1749.8
45°	1598.4	1593.5	1643.1	1717.6	1774.6	1764.7	1769.7	1777.1	1809.4	2077.4	1883.9
47.5°	1635.6	1640.6	1712.6	1797.0	1856.5	1891.3	1918.6	1916.1	1940.9	2221.4	2032.8
50°	1672.9	1682.8	1769.7	1859.0	1963.3	2022.8	2062.6	2089.9	2114.7	2372.8	2204.0
52.5°	1744.9	1754.8	1851.6	1948.4	2082.4	2169.3	2268.6	2266.1	2268.6	2524.2	2375.3
55°	1849.1	1851.6	1908.7	2020.4	2201.5	2360.4	2496.9	2511.8	2469.6	2712.8	2571.4
57.5°	1968.2	1978.2	2027.8	2112.2	2295.9	2544.1	2752.6	2782.3	2668.2	2866.7	2750.1
60°	2079.9	2087.4	2164.3	2261.1	2459.7	2774.9	3010.7	3045.4	2921.3	3055.4	2936.2
62.5°	1953.3	1990.6	2127.1	2348.0	2747.6	3124.9	3338.3	3360.7	3167.1	3246.5	3134.8
65°	1563.7	1588.5	1784.6	2142.0	2767.4	3760.3	3844.6	3785.1	3504.6	3492.2	3435.1
67.5°	871.2	891.0	1025.1	1399.9	2330.6	3998.5	4934.3	4497.4	4028.3	3862.0	3842.2
70°	687.5	692.5	709.9	786.8	1293.1	3524.5	5793.0	5812.9	4884.6	4370.8	3929.0
72.5°	558.5	556.0	608.1	675.1	764.5	2114.7	5522.5	6287.0	5539.9	4236.8	3422.7
75°	426.9	434.4	501.4	598.2	699.9	995.3	4120.1	5172.5	5189.9	3948.9	2886.6
77.5°	325.1	327.6	402.1	528.7	685.0	702.4	2688.0	3854.6	3871.9	3057.8	1591.0
80°	243.2	243.2	305.3	446.8	667.7	647.8	1655.5	2673.1	2420.0	1074.7	347.5
82.5°	139.0	148.9	203.5	340.0	605.6	623.0	933.2	1531.4	1022.6	292.9	161.3
85°	74.5	76.9	124.1	228.3	498.9	595.7	712.3	762.0	407.1	156.4	74.5
87.5°	27.3	27.3	57.1	116.7	315.2	441.8	565.9	486.5	233.3	72.0	37.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675547  
 CATALOG NUMBER: CCW-SA-1E-735-U-SL3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5
2.5°	1854.1	1844.1	1836.7	1844.1	1816.8	1804.4	1819.3	1811.9	1797.0	1789.5	1784.6
5°	1816.8	1804.4	1792.0	1784.6	1754.8	1725.0	1710.1	1680.3	1655.5	1663.0	1648.1
7.5°	1777.1	1764.7	1727.5	1692.7	1633.2	1573.6	1546.3	1504.1	1489.2	1476.8	1469.4
10°	1727.5	1705.1	1648.1	1578.6	1491.7	1424.7	1355.2	1305.5	1253.4	1231.1	1238.5
12.5°	1665.4	1653.0	1563.7	1456.9	1335.3	1223.6	1141.7	1062.3	992.8	955.6	945.6
15°	1638.1	1600.9	1471.8	1330.4	1176.5	1037.5	915.9	776.9	695.0	655.3	655.3
17.5°	1608.3	1538.9	1385.0	1191.4	1015.1	836.4	665.2	538.6	474.1	451.7	451.7
20°	1561.2	1484.2	1283.2	1059.8	846.4	630.4	476.5	407.1	387.2	372.3	374.8
22.5°	1526.4	1432.1	1188.9	930.8	670.1	469.1	374.8	352.4	345.0	340.0	342.5
25°	1486.7	1370.1	1089.6	791.8	526.2	369.8	325.1	315.2	320.2	322.7	322.7
27.5°	1454.5	1318.0	987.8	642.8	397.1	312.7	292.9	290.4	300.3	305.3	307.8
30°	1432.1	1270.8	888.6	506.3	317.7	278.0	268.1	268.1	280.5	285.4	287.9
32.5°	1409.8	1231.1	781.8	387.2	270.5	248.2	245.7	248.2	255.6	255.6	258.1
35°	1417.2	1193.9	680.1	312.7	243.2	228.3	228.3	228.3	230.8	233.3	233.3
37.5°	1432.1	1183.9	570.9	263.1	223.4	213.5	213.5	211.0	213.5	211.0	213.5
40°	1447.0	1169.0	471.6	233.3	211.0	203.5	201.0	196.1	193.6	193.6	196.1
42.5°	1509.1	1188.9	387.2	213.5	201.0	196.1	188.6	183.7	181.2	181.2	181.2
45°	1588.5	1226.1	320.2	203.5	193.6	181.2	176.2	173.7	168.8	171.3	173.7
47.5°	1707.6	1283.2	280.5	196.1	186.2	171.3	166.3	161.3	161.3	166.3	166.3
50°	1864.0	1377.5	255.6	188.6	178.7	163.8	156.4	153.9	153.9	161.3	161.3
52.5°	2032.8	1486.7	245.7	186.2	171.3	156.4	148.9	146.4	146.4	156.4	156.4
55°	2201.5	1620.8	253.2	186.2	166.3	148.9	141.5	136.5	139.0	146.4	146.4
57.5°	2387.7	1764.7	290.4	186.2	161.3	146.4	136.5	129.1	131.5	134.0	134.0
60°	2591.2	1953.3	354.9	186.2	158.8	141.5	129.1	119.1	119.1	121.6	121.6
62.5°	2797.2	2139.5	446.8	188.6	161.3	139.0	119.1	109.2	106.7	109.2	109.2
65°	3067.8	2437.3	538.6	188.6	168.8	134.0	111.7	99.3	96.8	96.8	99.3
67.5°	3447.5	2650.8	417.0	181.2	173.7	134.0	104.2	91.8	86.9	86.9	86.9
70°	3246.5	2236.3	265.6	168.8	166.3	139.0	99.3	84.4	79.4	76.9	76.9
72.5°	2779.9	1789.5	213.5	158.8	153.9	136.5	94.3	79.4	72.0	69.5	69.5
75°	2228.9	1412.3	186.2	144.0	134.0	114.2	86.9	72.0	67.0	62.1	62.1
77.5°	1092.1	590.7	141.5	126.6	114.2	86.9	76.9	67.0	59.6	54.6	54.6
80°	273.0	206.0	104.2	99.3	84.4	67.0	62.1	57.1	52.1	47.2	47.2
82.5°	146.4	121.6	74.5	67.0	57.1	47.2	47.2	44.7	42.2	37.2	34.7
85°	74.5	72.0	49.6	44.7	37.2	29.8	32.3	32.3	29.8	22.3	22.3
87.5°	39.7	39.7	24.8	19.9	17.4	14.9	14.9	14.9	12.4	9.9	9.9
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)