

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: P671453

Luminaire Tested: **CCP-SA-2C-835-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671453  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-835-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL3 distribution lens  
Light Source: (32) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

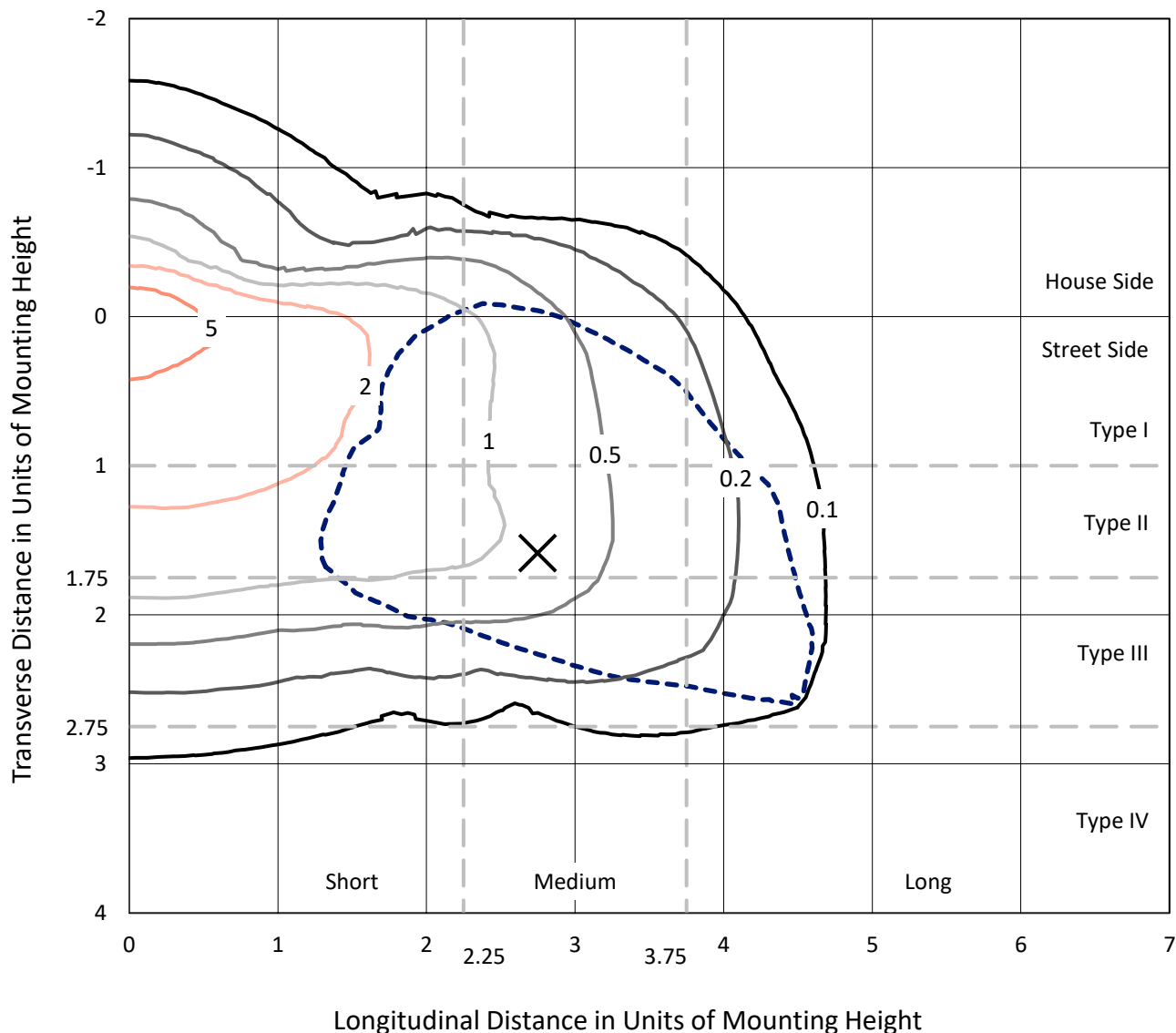
Lumens per Lamp: N/A  
Luminaire Lumens: 7366.3 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G3

Input Watts (W): 62.1  
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: P671453  
 CATALOG NUMBER: CCP-SA-2C-835-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

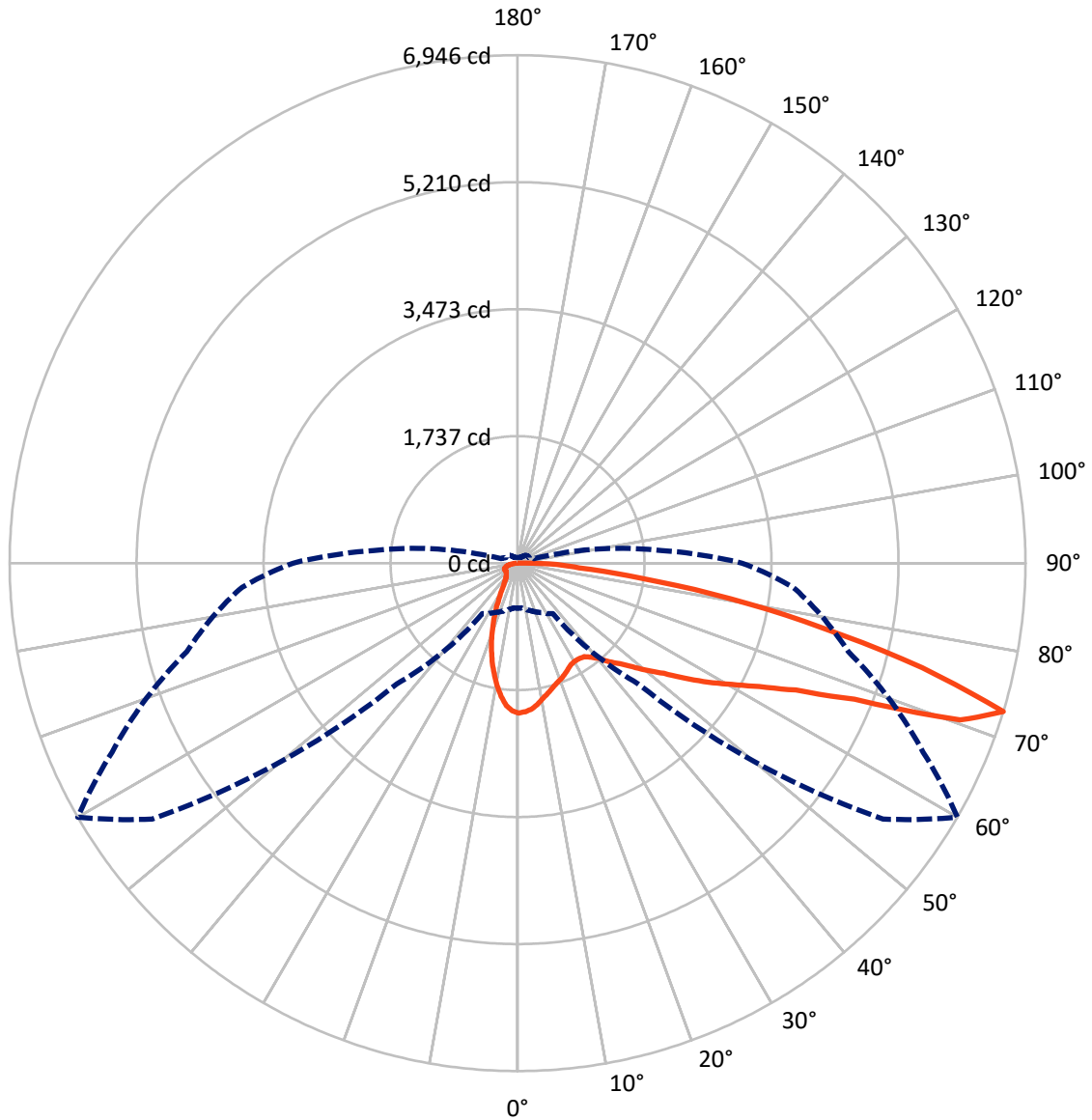
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P671453  
CATALOG NUMBER: CCP-SA-2C-835-U-SL3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P671453

CATALOG NUMBER: CCP-SA-2C-835-U-SL3

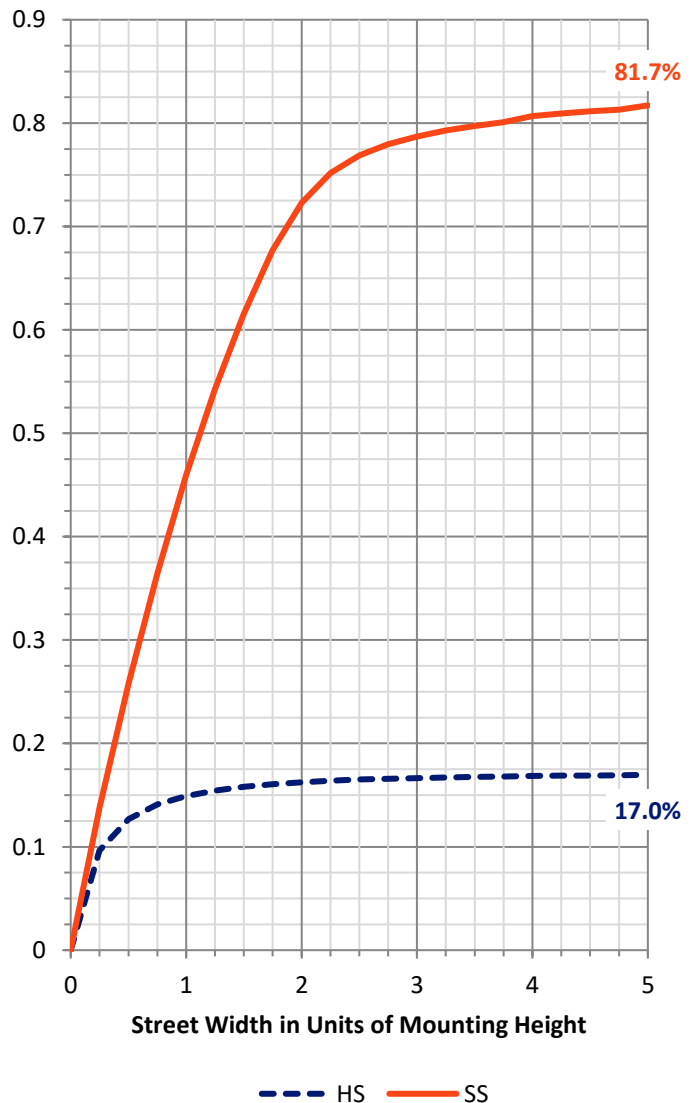
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1265.4	0.0	1265.4
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	6100.9	0.0	6100.9
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	7366.3	0.0	7366.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.8	2.4
10°-20°	403.2	5.5
20°-30°	516.0	7.0
30°-40°	660.1	9.0
40°-50°	905.3	12.3
50°-60°	1309.4	17.8
60°-70°	1796.3	24.4
70°-80°	1347.9	18.3
80°-90°	250.5	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°	7366.3	100.0
0°-180°	7366.3	100.0



REPORT NUMBER: P671453

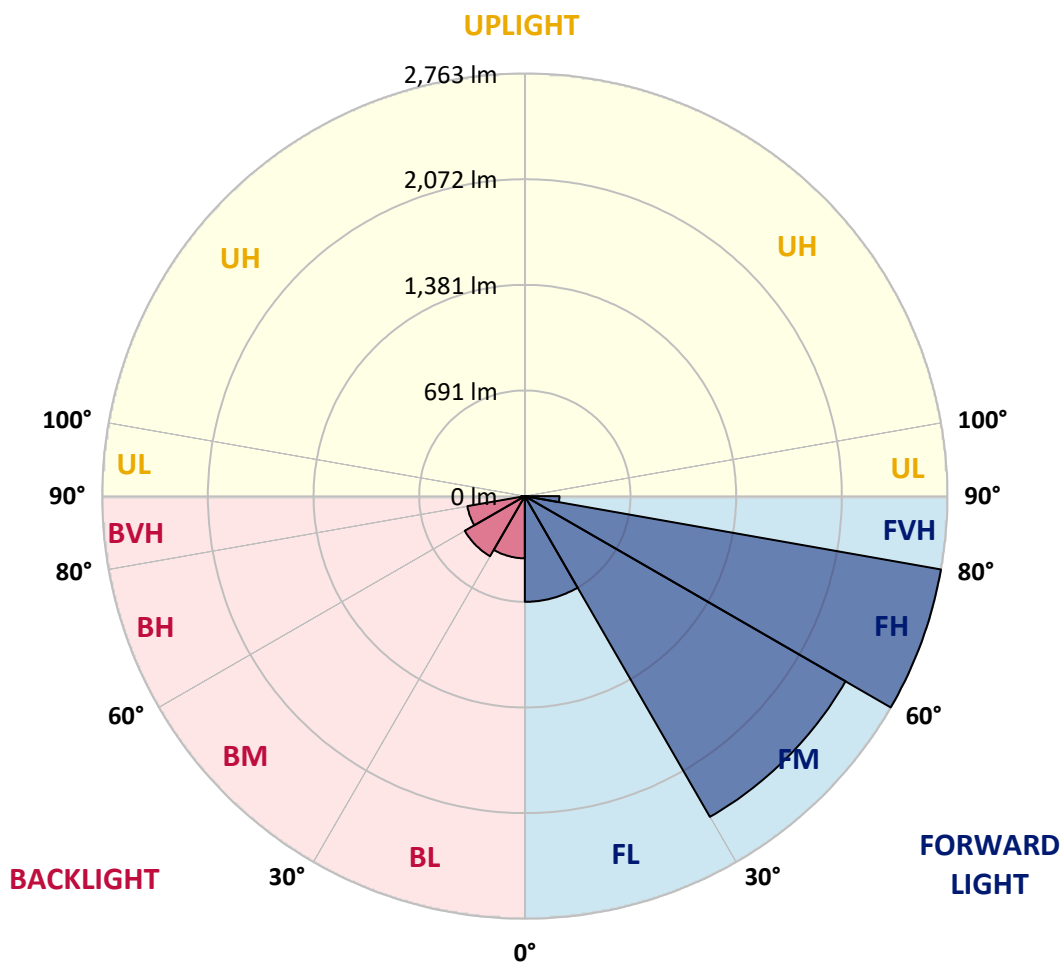
CATALOG NUMBER: CCP-SA-2C-835-U-SL3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	690.7	9.4			
FM (30°-60°)	2421.3	32.9			
FH (60°-80°)	2762.8	37.5			G2/5000
FVH (80°-90°)	226.1	3.1			G3/500
BL (0°-30°)	406.2	5.5	B1/500		
BM (30°-60°)	453.5	6.2	B1/1000		
BH (60°-80°)	381.3	5.2	B1/500		G1/500
BVH (80°-90°)	24.4	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-G3**

Type III Medium





REPORT NUMBER: P671453

CATALOG NUMBER: CCP-SA-2C-835-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2
2.5°	2007.3	2026.5	2032.0	2032.0	2048.4	2029.2	2056.6	2034.7	2040.2	2048.4	2042.9
5°	1911.3	1944.2	1925.0	1960.7	1947.0	1971.6	2004.5	2004.5	1996.3	2012.8	1999.1
7.5°	1818.1	1807.1	1840.0	1840.0	1861.9	1894.9	1922.3	1949.7	1952.4	1957.9	1955.2
10°	1691.9	1705.6	1722.1	1744.0	1771.5	1804.4	1861.9	1883.9	1889.4	1922.3	1914.0
12.5°	1587.7	1606.9	1617.9	1661.8	1686.4	1733.1	1798.9	1829.0	1831.8	1878.4	1878.4
15°	1510.9	1521.9	1546.6	1563.0	1617.9	1683.7	1746.8	1774.2	1804.4	1853.7	1840.0
17.5°	1458.8	1472.6	1483.5	1505.5	1557.6	1612.4	1711.1	1727.6	1763.2	1834.5	1818.1
20°	1428.7	1431.4	1447.9	1461.6	1508.2	1560.3	1648.1	1691.9	1738.5	1801.6	1785.2
22.5°	1434.2	1423.2	1420.5	1439.6	1447.9	1497.2	1604.2	1650.8	1716.6	1790.6	1763.2
25°	1445.1	1447.9	1442.4	1425.9	1428.7	1472.6	1543.9	1604.2	1678.2	1787.9	1733.1
27.5°	1472.6	1486.3	1464.3	1447.9	1431.4	1447.9	1521.9	1565.8	1648.1	1801.6	1730.3
30°	1500.0	1513.7	1508.2	1483.5	1450.6	1445.1	1497.2	1552.1	1631.6	1812.6	1730.3
32.5°	1541.1	1560.3	1541.1	1549.3	1510.9	1486.3	1505.5	1554.8	1648.1	1851.0	1733.1
35°	1587.7	1604.2	1609.7	1590.5	1582.2	1535.6	1546.6	1571.3	1664.5	1894.9	1760.5
37.5°	1639.8	1659.0	1675.5	1678.2	1650.8	1623.4	1617.9	1631.6	1705.6	1971.6	1790.6
40°	1675.5	1686.4	1719.4	1746.8	1755.0	1716.6	1713.9	1713.9	1779.7	2040.2	1845.5
42.5°	1735.8	1730.3	1776.9	1826.3	1840.0	1818.1	1823.6	1845.5	1883.9	2138.9	1933.2
45°	1766.0	1760.5	1815.3	1897.6	1960.7	1949.7	1955.2	1963.4	1999.1	2295.2	2081.3
47.5°	1807.1	1812.6	1892.1	1985.3	2051.2	2089.5	2119.7	2117.0	2144.4	2454.3	2245.9
50°	1848.2	1859.2	1955.2	2053.9	2169.1	2234.9	2278.8	2308.9	2336.3	2621.5	2435.1
52.5°	1927.8	1938.7	2045.7	2152.6	2300.7	2396.7	2506.4	2503.6	2506.4	2788.8	2624.3
55°	2042.9	2045.7	2108.7	2232.1	2432.3	2607.8	2758.6	2775.1	2728.5	2997.2	2840.9
57.5°	2174.6	2185.5	2240.4	2333.6	2536.5	2810.7	3041.1	3074.0	2947.9	3167.2	3038.3
60°	2298.0	2306.2	2391.2	2498.1	2717.5	3065.8	3326.3	3364.7	3227.6	3375.6	3244.0
62.5°	2158.1	2199.2	2350.1	2594.1	3035.6	3452.4	3688.2	3712.9	3499.0	3586.8	3463.4
65°	1727.6	1755.0	1971.6	2366.5	3057.5	4154.4	4247.6	4181.8	3872.0	3858.3	3795.2
67.5°	962.5	984.4	1132.5	1546.6	2574.9	4417.7	5451.5	4968.8	4450.6	4266.8	4244.9
70°	759.6	765.1	784.3	869.3	1428.7	3893.9	6400.3	6422.2	5396.6	4829.0	4340.9
72.5°	617.0	614.2	671.8	745.9	844.6	2336.3	6101.4	6946.0	6120.6	4680.9	3781.5
75°	471.7	479.9	553.9	660.9	773.3	1099.6	4552.0	5714.7	5733.9	4362.8	3189.2
77.5°	359.2	362.0	444.2	584.1	756.8	776.0	2969.8	4258.6	4277.8	3378.4	1757.7
80°	268.7	268.7	337.3	493.6	737.6	715.7	1829.0	2953.3	2673.6	1187.4	383.9
82.5°	153.6	164.5	224.9	375.7	669.1	688.3	1031.1	1691.9	1129.8	323.6	178.2
85°	82.3	85.0	137.1	252.3	551.2	658.1	787.0	841.9	449.7	172.8	82.3
87.5°	30.2	30.2	63.1	128.9	348.3	488.1	625.2	537.5	257.8	79.5	41.1
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: P671453  
 CATALOG NUMBER: CCP-SA-2C-835-U-SL3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2	2051.2
2.5°	2048.4	2037.4	2029.2	2037.4	2007.3	1993.6	2010.0	2001.8	1985.3	1977.1	1971.6
5°	2007.3	1993.6	1979.9	1971.6	1938.7	1905.8	1889.4	1856.5	1829.0	1837.3	1820.8
7.5°	1963.4	1949.7	1908.6	1870.2	1804.4	1738.5	1708.4	1661.8	1645.3	1631.6	1623.4
10°	1908.6	1883.9	1820.8	1744.0	1648.1	1574.0	1497.2	1442.4	1384.8	1360.1	1368.4
12.5°	1840.0	1826.3	1727.6	1609.7	1475.3	1351.9	1261.4	1173.7	1096.9	1055.7	1044.8
15°	1809.8	1768.7	1626.1	1469.8	1299.8	1146.2	1011.9	858.3	767.8	723.9	723.9
17.5°	1776.9	1700.2	1530.1	1316.2	1121.6	924.1	734.9	595.1	523.8	499.1	499.1
20°	1724.8	1639.8	1417.7	1170.9	935.1	696.5	526.5	449.7	427.8	411.3	414.1
22.5°	1686.4	1582.2	1313.5	1028.3	740.4	518.3	414.1	389.4	381.2	375.7	378.4
25°	1642.6	1513.7	1203.8	874.8	581.3	408.6	359.2	348.3	353.7	356.5	356.5
27.5°	1606.9	1456.1	1091.4	710.2	438.7	345.5	323.6	320.8	331.8	337.3	340.0
30°	1582.2	1404.0	981.7	559.4	351.0	307.1	296.2	296.2	309.9	315.4	318.1
32.5°	1557.6	1360.1	863.8	427.8	298.9	274.2	271.5	274.2	282.4	282.4	285.2
35°	1565.8	1319.0	751.4	345.5	268.7	252.3	252.3	252.3	255.0	257.8	257.8
37.5°	1582.2	1308.0	630.7	290.7	246.8	235.8	235.8	233.1	235.8	233.1	235.8
40°	1598.7	1291.6	521.0	257.8	233.1	224.9	222.1	216.6	213.9	213.9	216.6
42.5°	1667.2	1313.5	427.8	235.8	222.1	216.6	208.4	202.9	200.2	200.2	200.2
45°	1755.0	1354.6	353.7	224.9	213.9	200.2	194.7	192.0	186.5	189.2	192.0
47.5°	1886.6	1417.7	309.9	216.6	205.7	189.2	183.7	178.2	178.2	183.7	183.7
50°	2059.4	1521.9	282.4	208.4	197.4	181.0	172.8	170.0	170.0	178.2	178.2
52.5°	2245.9	1642.6	271.5	205.7	189.2	172.8	164.5	161.8	161.8	172.8	172.8
55°	2432.3	1790.6	279.7	205.7	183.7	164.5	156.3	150.8	153.6	161.8	161.8
57.5°	2638.0	1949.7	320.8	205.7	178.2	161.8	150.8	142.6	145.3	148.1	148.1
60°	2862.8	2158.1	392.1	205.7	175.5	156.3	142.6	131.6	131.6	134.4	134.4
62.5°	3090.4	2363.8	493.6	208.4	178.2	153.6	131.6	120.7	117.9	120.7	120.7
65°	3389.3	2692.8	595.1	208.4	186.5	148.1	123.4	109.7	106.9	106.9	109.7
67.5°	3808.9	2928.7	460.7	200.2	192.0	148.1	115.2	101.5	96.0	96.0	96.0
70°	3586.8	2470.7	293.4	186.5	183.7	153.6	109.7	93.2	87.7	85.0	85.0
72.5°	3071.2	1977.1	235.8	175.5	170.0	150.8	104.2	87.7	79.5	76.8	76.8
75°	2462.5	1560.3	205.7	159.0	148.1	126.1	96.0	79.5	74.0	68.6	68.6
77.5°	1206.6	652.6	156.3	139.9	126.1	96.0	85.0	74.0	65.8	60.3	60.3
80°	301.6	227.6	115.2	109.7	93.2	74.0	68.6	63.1	57.6	52.1	52.1
82.5°	161.8	134.4	82.3	74.0	63.1	52.1	52.1	49.4	46.6	41.1	38.4
85°	82.3	79.5	54.8	49.4	41.1	32.9	35.6	35.6	32.9	24.7	24.7
87.5°	43.9	43.9	27.4	21.9	19.2	16.5	16.5	16.5	13.7	11.0	11.0
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)