

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: P674474

Luminaire Tested: **CCP-SA-1F-835-U-AFL-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674474  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-835-U-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ AFL distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

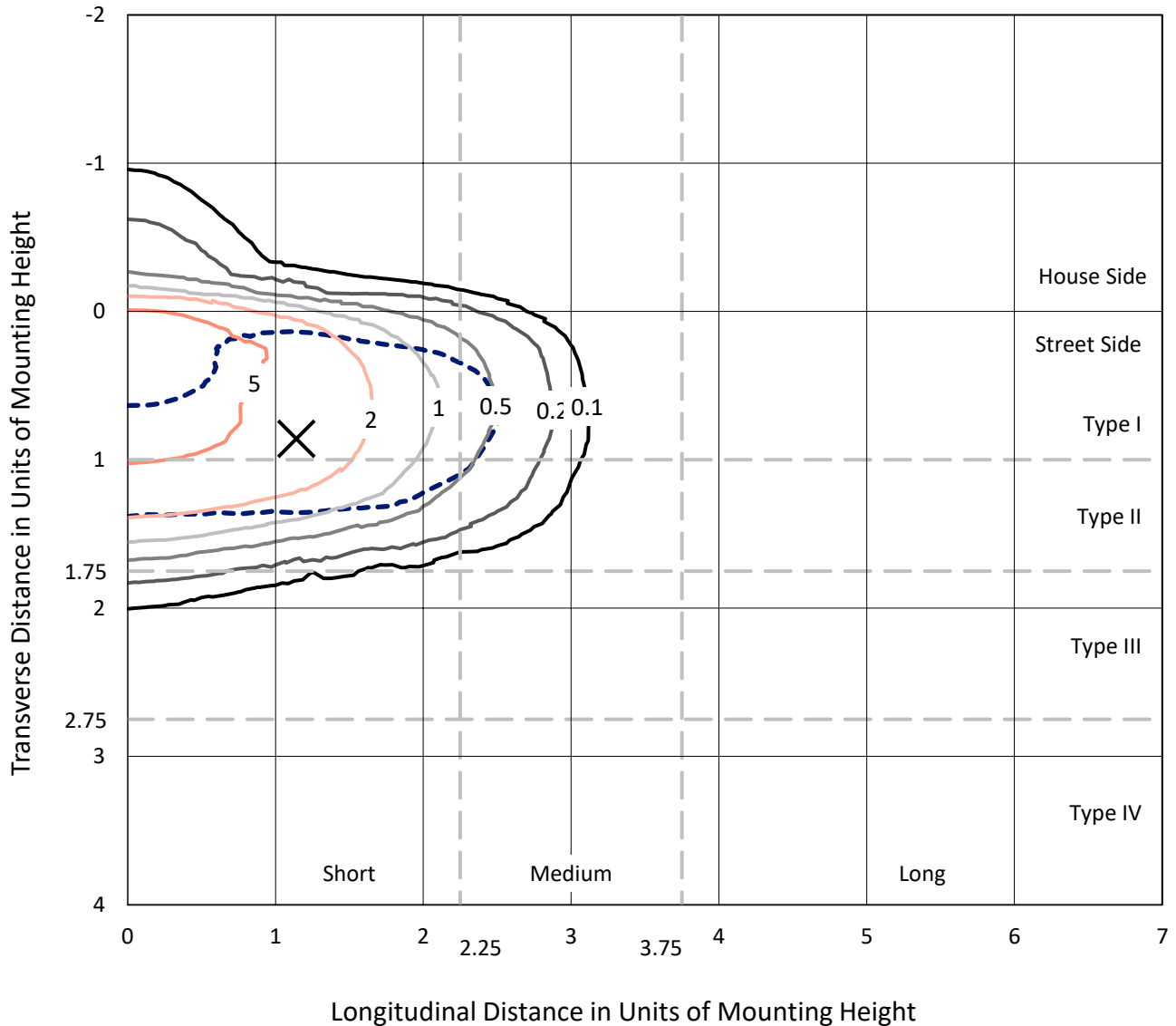
Lumens per Lamp: N/A  
Luminaire Lumens: 5123.2 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P674474  
 CATALOG NUMBER: CCP-SA-1F-835-U-AFL-HSS

### Iso-Footcandle Lines of Horizontal Illumination

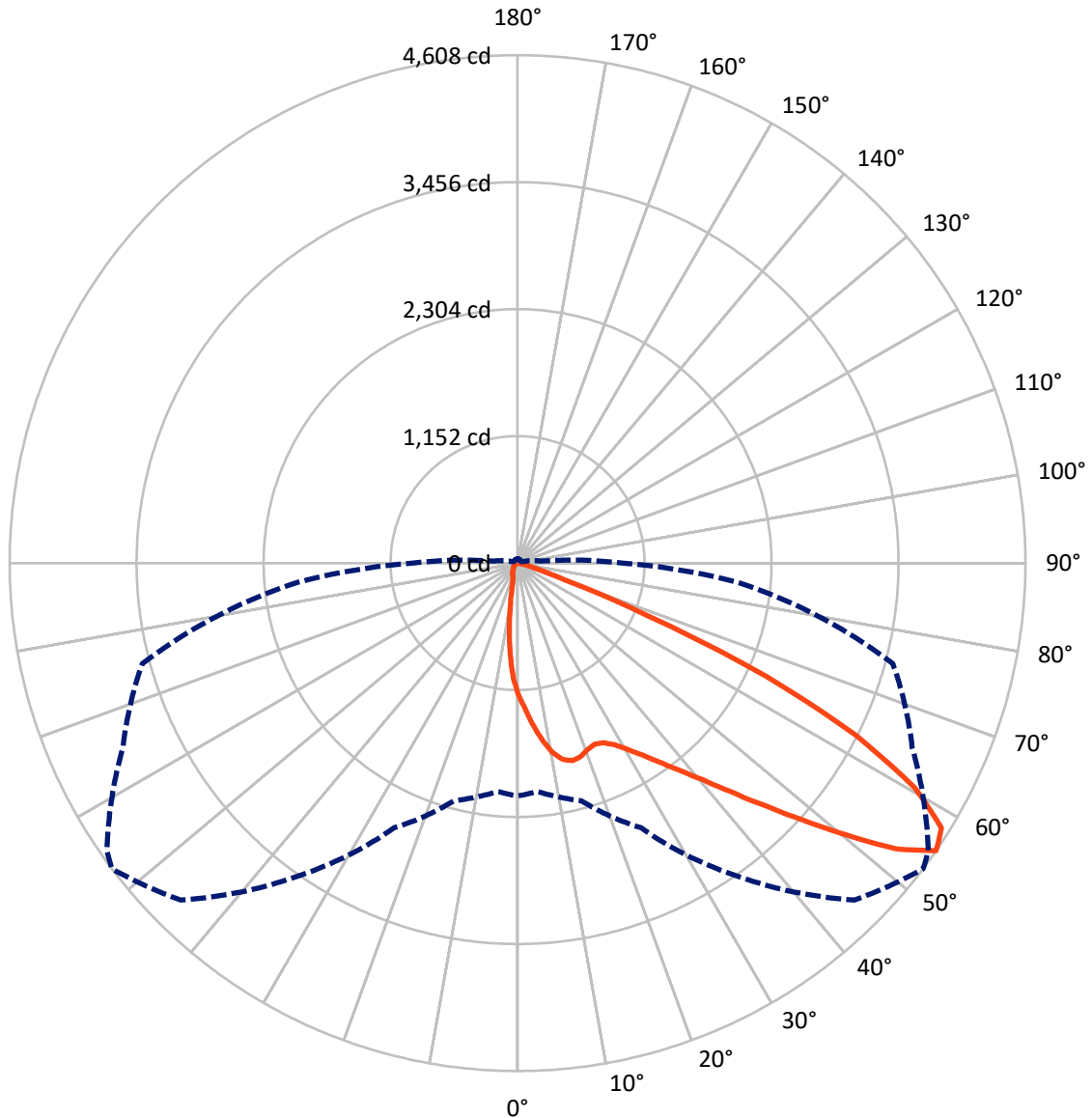
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P674474  
CATALOG NUMBER: CCP-SA-1F-835-U-AFL-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P674474

CATALOG NUMBER: CCP-SA-1F-835-U-AFL-HSS

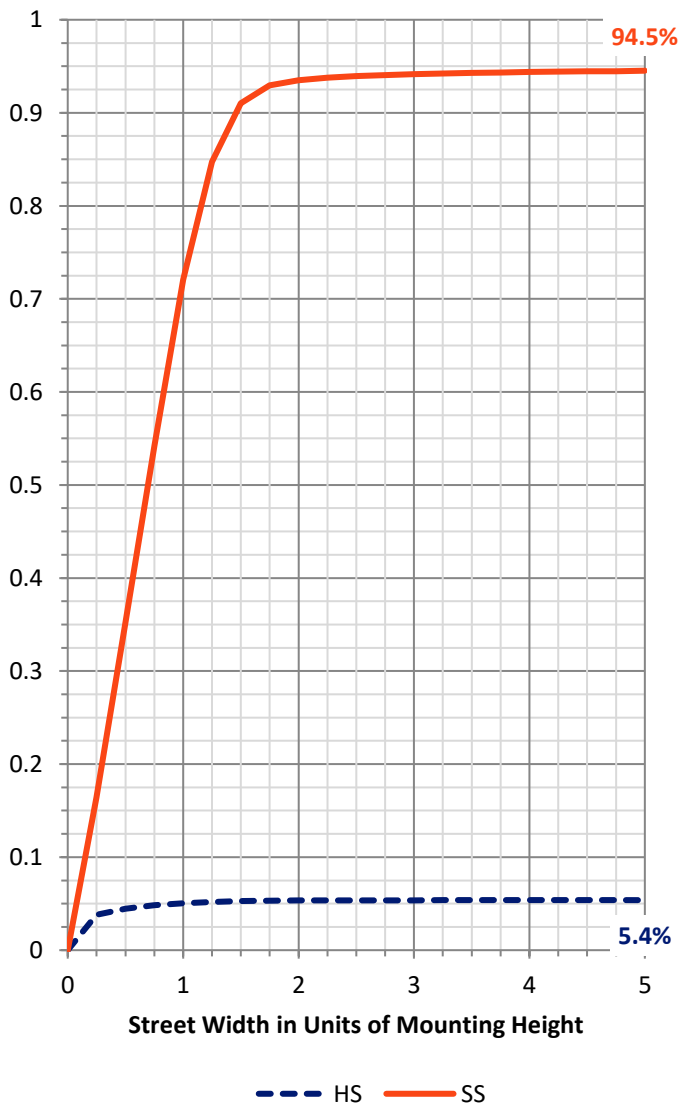
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	276.9	0.0	276.9
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	4846.3	0.0	4846.3
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	5123.2	0.0	5123.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.2	2.1
10°-20°	280.1	5.5
20°-30°	468.8	9.2
30°-40°	767.0	15.0
40°-50°	1232.9	24.1
50°-60°	1391.9	27.2
60°-70°	742.5	14.5
70°-80°	122.0	2.4
80°-90°	10.9	0.2
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°	5123.2	100.0
0°-180°	5123.2	100.0



REPORT NUMBER: P674474

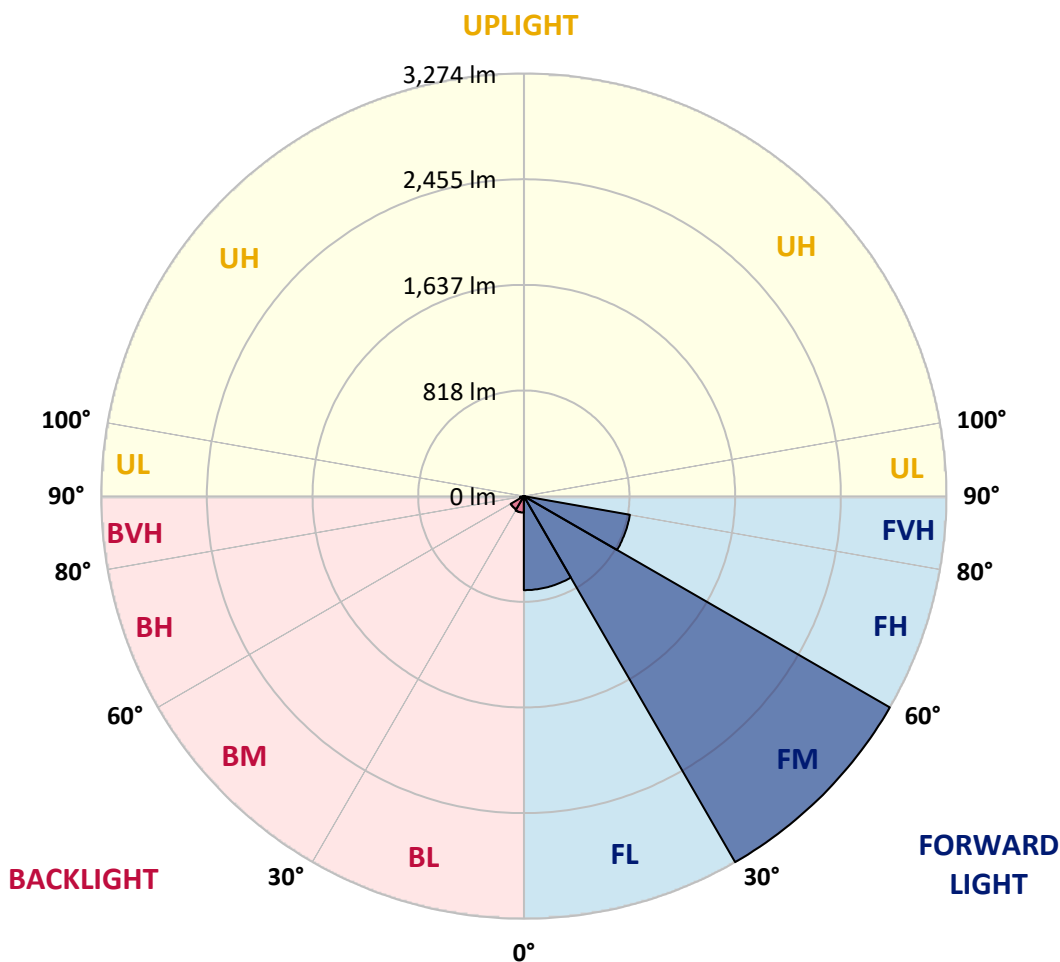
CATALOG NUMBER: CCP-SA-1F-835-U-AFL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	728.3	14.2			
FM (30°-60°)	3273.8	63.9			
FH (60°-80°)	834.2	16.3			G1/1800
FVH (80°-90°)	10.0	0.2			G1/100
BL (0°-30°)	127.8	2.5	B1/500		
BM (30°-60°)	118.0	2.3	B0/220		
BH (60°-80°)	30.3	0.6	B0/110		G0/110
BVH (80°-90°)	0.9	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-G1**

Type II Short





REPORT NUMBER: P674474  
 CATALOG NUMBER: CCP-SA-1F-835-U-AFL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0
2.5°	1437.8	1429.2	1434.2	1421.1	1397.4	1367.7	1323.3	1325.5	1290.5	1260.0	1217.8
5°	1675.2	1666.2	1663.5	1630.3	1597.1	1543.7	1477.7	1466.9	1402.7	1325.1	1236.7
7.5°	1800.5	1792.8	1798.7	1786.5	1753.8	1705.3	1621.8	1613.7	1514.5	1396.9	1266.7
10°	1743.0	1740.3	1765.0	1793.7	1820.2	1814.4	1747.5	1734.9	1623.6	1475.9	1297.7
12.5°	1588.6	1597.1	1628.5	1681.5	1763.2	1840.0	1829.2	1831.4	1734.9	1561.6	1331.8
15°	1497.9	1508.2	1526.2	1553.6	1654.1	1790.6	1860.2	1882.6	1841.7	1657.3	1372.2
17.5°	1490.3	1498.8	1501.5	1511.8	1570.6	1711.1	1847.6	1890.2	1936.9	1747.5	1417.6
20°	1549.1	1552.7	1550.4	1542.8	1563.9	1668.0	1808.1	1869.1	2015.5	1843.5	1457.5
22.5°	1660.0	1654.6	1647.8	1619.6	1618.2	1680.2	1786.5	1850.3	2062.1	1923.0	1484.0
25°	1797.3	1786.1	1776.7	1736.7	1717.9	1743.4	1805.8	1857.0	2104.3	2000.2	1502.8
27.5°	1947.2	1950.8	1927.5	1873.6	1844.0	1838.6	1865.5	1903.7	2145.2	2069.3	1513.2
30°	2107.5	2109.3	2078.8	2023.1	1996.2	1961.6	1959.8	1982.7	2189.2	2148.8	1523.0
32.5°	2290.2	2295.1	2245.3	2187.4	2140.3	2095.4	2073.4	2092.7	2268.2	2252.5	1543.2
35°	2554.1	2532.6	2465.2	2377.7	2310.8	2252.0	2218.4	2230.9	2373.2	2376.8	1583.6
37.5°	2826.1	2823.9	2749.4	2623.2	2513.7	2440.6	2383.1	2403.7	2520.9	2543.3	1648.3
40°	3079.8	3085.6	3021.0	2911.0	2770.0	2644.3	2582.8	2596.8	2717.1	2745.3	1726.8
42.5°	3245.4	3242.2	3247.2	3215.8	3074.4	2926.2	2833.8	2841.4	2945.1	2959.9	1825.1
45°	3321.7	3309.6	3351.8	3451.4	3395.3	3239.6	3134.1	3124.6	3181.7	3177.6	1914.5
47.5°	3255.7	3233.3	3330.2	3570.4	3679.0	3631.9	3481.1	3464.0	3415.5	3383.2	2007.4
50°	2927.6	2917.7	3125.1	3513.8	3857.2	3994.6	3883.7	3820.4	3624.2	3534.9	2056.3
52.5°	2615.6	2588.2	2728.3	3225.2	3777.8	4286.3	4309.2	4196.6	3797.5	3578.5	2039.7
55°	2112.9	2079.2	2231.8	2649.7	3463.1	4323.6	4608.2	4549.4	3949.2	3524.6	2006.0
57.5°	1283.3	1250.1	1474.6	1897.9	2769.6	4013.9	4534.6	4594.3	4065.9	3465.3	1984.0
60°	539.6	518.5	606.4	905.8	1768.6	3298.8	4144.0	4293.1	4087.9	3384.1	1993.0
62.5°	280.5	271.1	276.1	362.7	715.1	2172.1	3449.2	3708.6	3866.2	3348.2	2002.0
65°	210.5	203.3	187.6	199.3	277.9	939.1	2478.7	2826.1	3385.4	3257.1	1941.4
67.5°	172.8	166.1	154.9	151.3	163.8	325.9	1265.4	1717.0	2652.9	2868.8	1724.1
70°	137.8	135.6	132.0	125.2	123.0	158.0	453.8	699.8	1754.2	2023.1	1249.7
72.5°	114.9	115.4	111.3	105.5	97.4	101.9	180.9	239.3	848.8	970.0	523.4
75°	96.1	96.1	97.4	89.3	81.2	70.0	100.5	116.7	272.5	224.0	111.8
77.5°	75.4	76.3	82.1	75.4	65.1	44.0	54.8	62.4	80.8	64.6	40.8
80°	60.1	59.3	57.0	67.8	58.4	31.0	26.0	28.7	37.7	31.0	20.2
82.5°	42.2	41.7	40.0	45.8	45.3	22.9	17.1	17.5	22.9	19.8	12.6
85°	10.3	12.1	25.6	21.5	18.9	13.5	10.3	11.2	14.8	13.0	6.7
87.5°	4.5	4.5	11.7	13.9	9.0	5.8	4.5	4.9	7.6	7.6	4.0
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: P674474  
 CATALOG NUMBER: CCP-SA-1F-835-U-AFL-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0	1199.0
2.5°	1203.0	1173.8	1137.0	1098.0	1058.0	1010.0	979.5	954.3	934.6	919.3	913.9
5°	1207.5	1151.4	1067.9	964.2	858.7	760.0	683.6	627.1	580.4	554.8	543.6
7.5°	1207.0	1132.5	981.7	808.0	636.5	494.2	393.2	330.8	289.1	272.0	261.7
10°	1206.6	1107.8	883.4	634.7	425.5	286.4	211.0	176.0	160.7	154.9	154.0
12.5°	1219.6	1079.6	773.4	467.3	267.1	178.2	146.8	138.7	135.1	133.3	132.9
15°	1226.8	1053.5	657.6	329.9	180.0	140.9	131.1	127.5	126.1	125.2	124.8
17.5°	1234.4	1013.1	547.6	238.8	144.1	127.9	122.1	119.9	119.0	119.0	119.0
20°	1235.8	969.6	438.6	176.0	127.9	119.4	113.6	111.3	110.0	109.1	109.1
22.5°	1225.9	918.0	344.7	142.7	118.5	111.3	105.0	101.4	99.2	98.8	98.8
25°	1201.2	844.8	264.4	125.2	110.9	103.2	95.6	91.6	89.8	89.8	89.8
27.5°	1165.7	758.6	204.2	111.3	101.0	93.4	86.6	83.0	82.6	82.1	82.6
30°	1125.3	675.6	156.2	98.8	89.3	83.0	77.7	75.9	76.8	76.8	77.2
32.5°	1084.9	592.5	122.1	88.9	79.0	73.6	70.9	70.9	72.3	72.3	72.3
35°	1050.4	511.3	102.3	80.8	71.8	67.3	66.0	67.3	68.2	68.7	68.7
37.5°	1031.1	441.2	90.2	73.6	66.0	62.4	61.9	63.3	65.1	66.4	66.9
40°	1023.9	387.4	83.0	68.2	60.6	58.4	57.9	59.7	62.8	65.1	65.5
42.5°	1024.3	339.8	76.8	62.8	57.0	53.9	53.9	56.6	59.7	61.9	61.9
45°	1027.5	299.0	70.5	57.5	53.9	48.5	48.9	52.5	54.8	57.0	57.0
47.5°	1030.2	266.2	63.7	51.6	46.7	44.0	44.9	47.6	50.7	54.3	54.3
50°	1014.5	242.8	57.0	45.3	40.8	40.0	41.7	44.0	48.5	52.1	52.5
52.5°	976.8	221.7	51.2	40.4	36.8	37.3	39.5	40.8	44.4	44.9	45.3
55°	960.2	211.0	46.7	36.8	33.7	35.0	36.4	36.8	35.9	33.7	33.7
57.5°	956.6	203.8	42.2	33.2	31.0	32.8	32.3	29.6	26.9	24.2	23.8
60°	960.2	193.9	38.6	28.7	28.3	28.7	27.4	22.4	18.9	17.1	16.2
62.5°	939.5	179.6	35.5	24.7	24.7	24.2	20.6	15.3	12.1	10.8	10.3
65°	871.3	151.3	32.3	20.6	20.2	19.3	13.9	10.3	8.1	6.7	6.3
67.5°	737.1	117.2	29.2	17.1	16.2	13.5	9.0	6.7	4.5	4.0	3.6
70°	502.7	72.7	24.7	13.5	12.1	8.5	5.4	4.0	2.7	2.2	1.8
72.5°	182.2	42.2	20.6	10.3	8.1	5.4	3.1	1.8	1.3	1.3	0.9
75°	43.1	29.6	15.7	7.6	5.4	3.1	1.8	1.3	0.9	0.9	0.4
77.5°	19.8	22.9	10.3	4.5	3.6	2.2	1.3	0.9	0.4	0.4	0.0
80°	11.2	16.2	4.9	3.1	2.7	1.8	0.9	0.4	0.4	0.0	0.0
82.5°	5.8	9.0	3.6	2.7	2.2	1.3	0.9	0.0	0.0	0.0	0.0
85°	4.0	4.5	2.7	2.2	1.8	1.3	0.9	0.0	0.0	0.0	0.0
87.5°	3.1	3.1	2.7	2.2	1.8	1.3	0.4	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)