

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: P674615

Luminaire Tested: **CCP-SA-1C-835-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674615  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-835-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

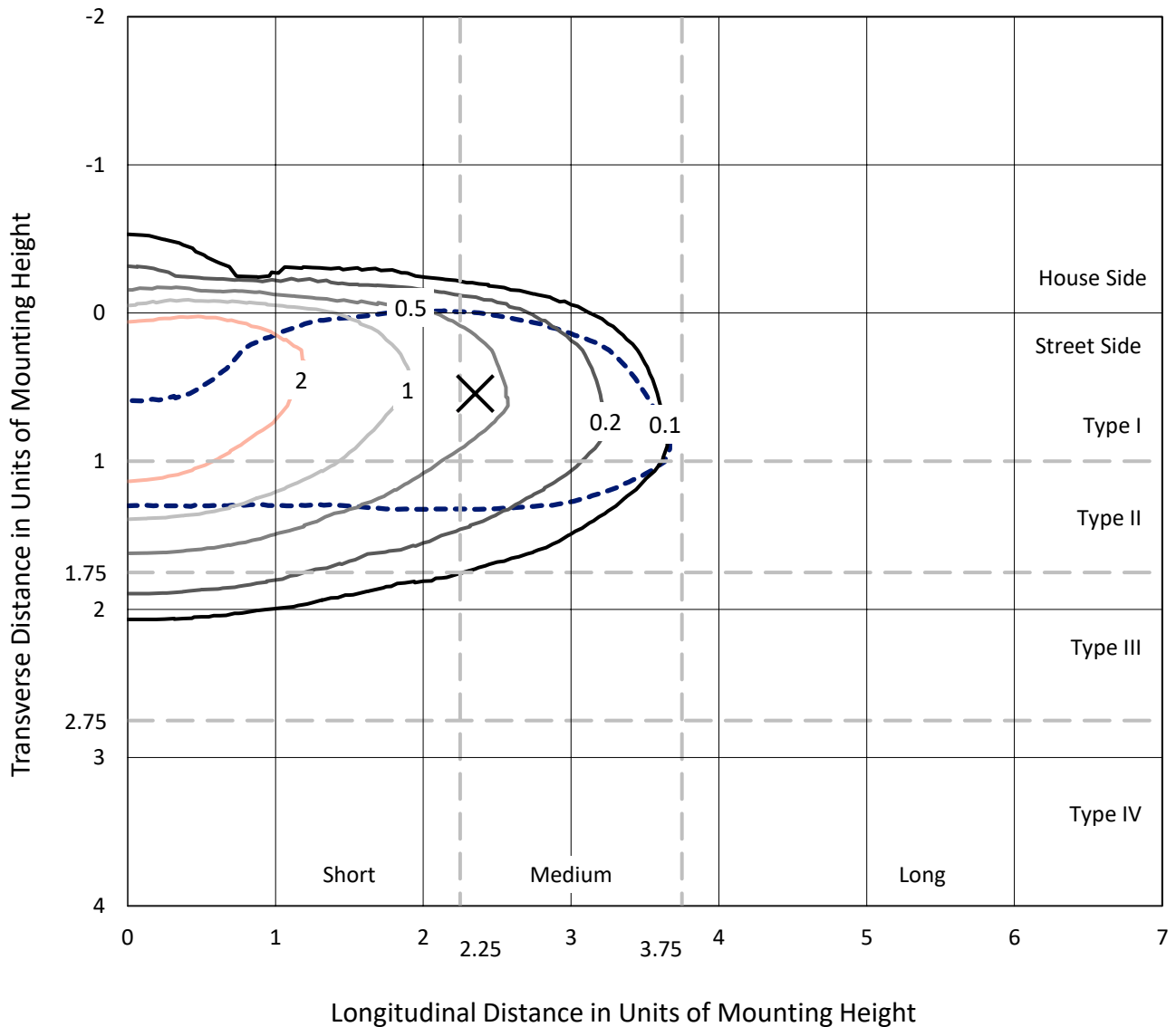
Lumens per Lamp: N/A  
Luminaire Lumens: 3016.6 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 32  
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: P674615  
 CATALOG NUMBER: CCP-SA-1C-835-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

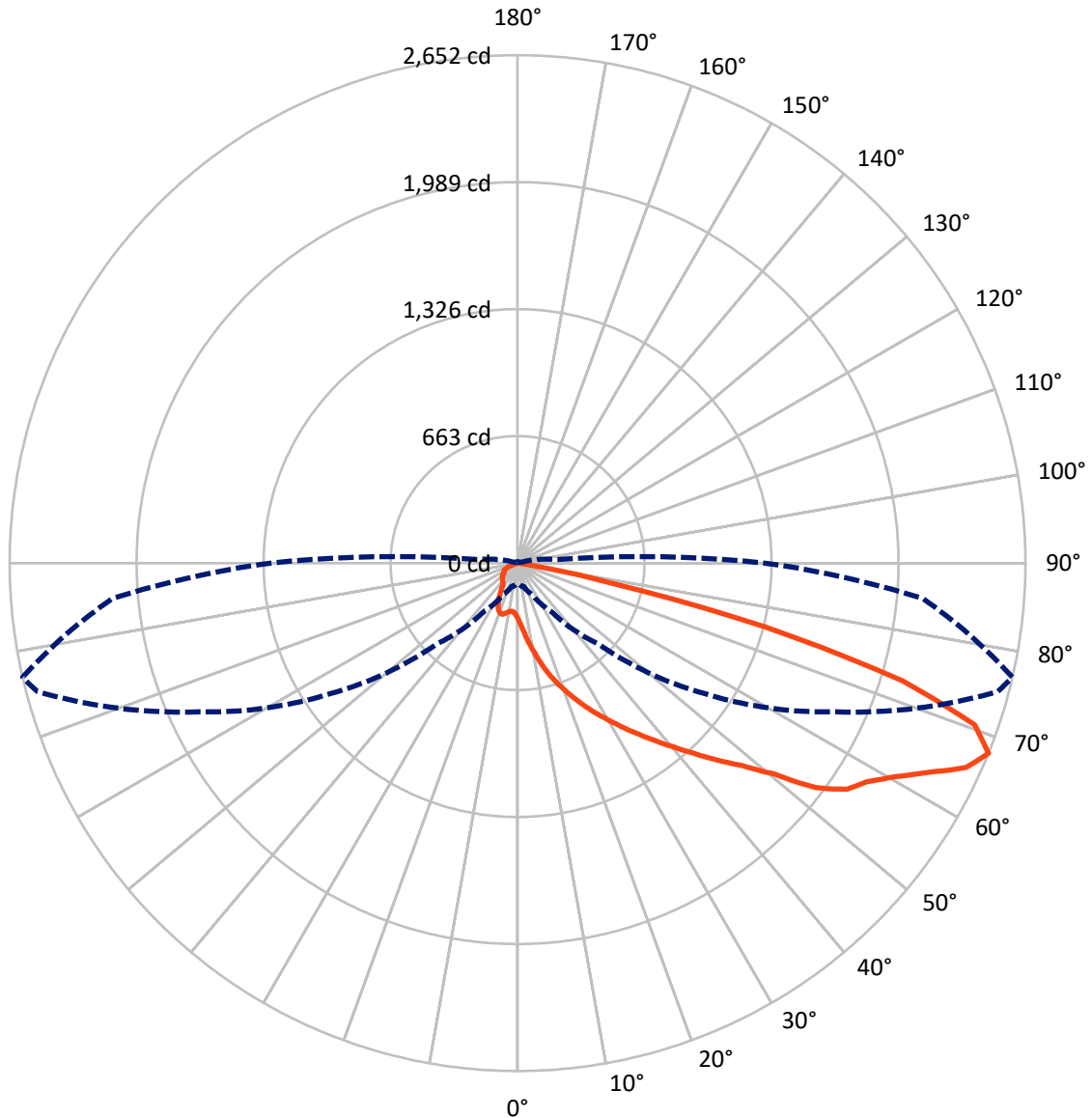
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc  
 Type II - Medium - N/A

REPORT NUMBER: P674615  
CATALOG NUMBER: CCP-SA-1C-835-U-T2R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P674615  
 CATALOG NUMBER: CCP-SA-1C-835-U-T2R-HSS

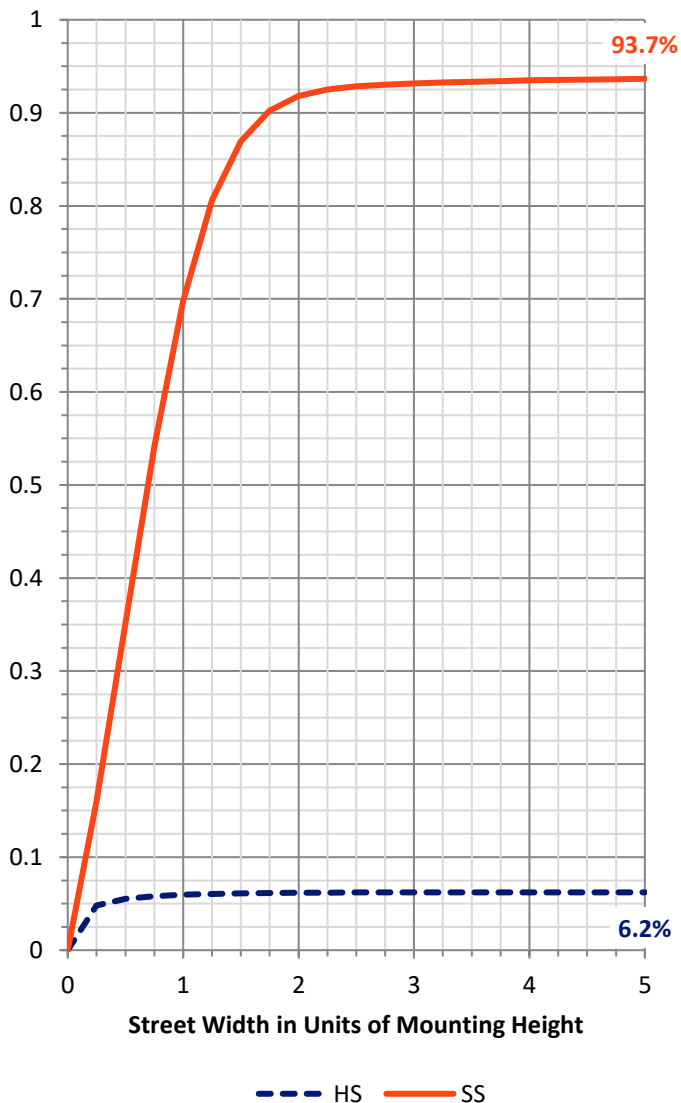
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	188.5	0.0	188.5
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	2828.1	0.0	2828.1
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	3016.6	0.0	3016.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.0	1.1
10°-20°	125.6	4.2
20°-30°	245.3	8.1
30°-40°	428.9	14.2
40°-50°	625.5	20.7
50°-60°	731.5	24.2
60°-70°	592.9	19.7
70°-80°	222.8	7.4
80°-90°	10.1	0.3
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°	3016.6	100.0
0°-180°	3016.6	100.0



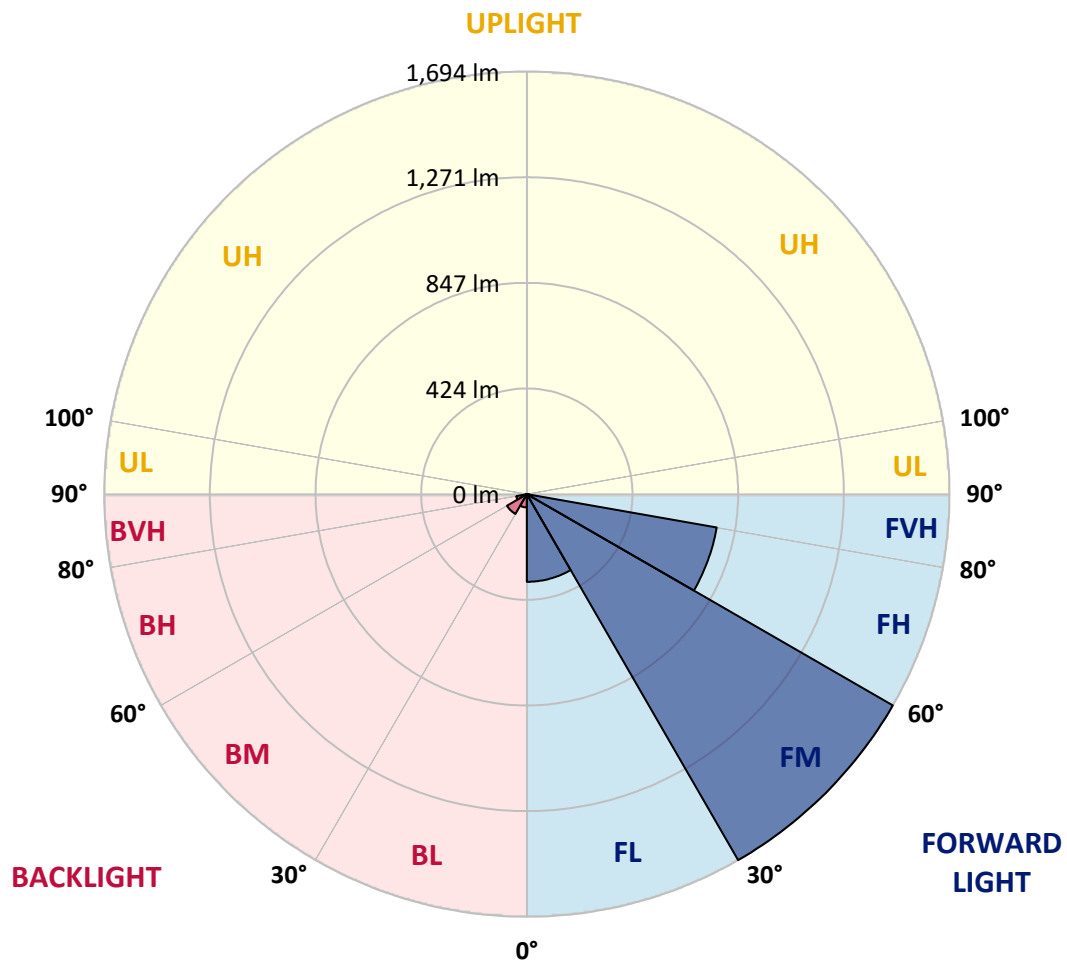
REPORT NUMBER: P674615  
 CATALOG NUMBER: CCP-SA-1C-835-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.4	11.6			
FM (30°-60°)	1694.2	56.2			
FH (60°-80°)	772.9	25.6			G1/1800
FVH (80°-90°)	9.5	0.3			G0/10
BL (0°-30°)	53.5	1.8	B0/110		
BM (30°-60°)	91.7	3.0	B0/220		
BH (60°-80°)	42.7	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type II Medium





REPORT NUMBER: P674615

CATALOG NUMBER: CCP-SA-1C-835-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9
2.5°	433.8	418.0	421.0	414.5	406.0	386.4	365.7	345.0	326.5	322.4	303.9
5°	555.5	550.6	545.5	541.1	523.4	498.9	461.6	414.2	371.4	364.1	325.7
7.5°	650.0	642.7	647.3	634.0	615.4	591.7	544.4	493.7	427.8	416.9	357.3
10°	719.7	715.7	717.8	711.6	702.6	678.9	632.1	568.6	492.4	471.7	392.7
12.5°	772.0	772.8	782.4	782.9	775.6	756.2	706.7	640.5	550.9	532.4	431.9
15°	810.1	811.0	822.7	835.2	843.6	833.6	788.6	714.6	619.8	594.5	473.0
17.5°	816.4	817.0	837.7	863.0	889.1	897.8	863.2	788.1	682.7	653.8	520.1
20°	820.5	825.1	843.6	872.8	914.2	941.1	922.3	858.6	743.7	710.2	566.4
22.5°	870.1	870.1	881.0	901.6	934.6	976.8	973.0	923.4	803.1	769.8	612.4
25°	975.2	975.2	964.6	959.1	976.8	1010.0	1019.6	992.6	870.9	831.7	660.9
27.5°	1114.3	1114.3	1097.7	1057.7	1042.4	1056.3	1066.4	1052.8	933.5	894.8	712.1
30°	1258.7	1263.6	1234.7	1183.8	1130.4	1119.8	1110.0	1107.0	1000.2	956.7	764.1
32.5°	1403.5	1403.0	1367.0	1303.6	1233.9	1196.3	1164.4	1160.9	1071.0	1028.3	813.4
35°	1519.3	1519.5	1481.7	1416.6	1336.0	1288.1	1236.9	1220.3	1148.6	1101.0	872.2
37.5°	1619.5	1613.8	1572.9	1511.1	1435.9	1386.4	1322.7	1279.4	1229.0	1180.5	931.1
40°	1676.9	1669.3	1629.6	1570.7	1513.8	1476.0	1419.9	1350.7	1317.2	1264.9	998.0
42.5°	1685.4	1678.8	1652.4	1617.0	1570.5	1537.2	1522.3	1431.3	1409.8	1362.4	1078.1
45°	1661.7	1651.1	1642.4	1623.8	1610.8	1594.7	1615.1	1517.1	1516.0	1468.9	1157.4
47.5°	1602.9	1588.4	1590.6	1611.0	1625.7	1640.2	1703.9	1629.6	1623.0	1578.9	1261.4
50°	1502.4	1495.3	1519.3	1559.6	1617.8	1675.6	1792.4	1744.5	1770.3	1729.0	1404.9
52.5°	1298.1	1306.9	1378.5	1475.4	1576.2	1692.2	1875.5	1916.0	1982.2	1948.2	1549.2
55°	1053.1	1049.8	1145.4	1317.5	1478.4	1681.6	1911.7	2017.1	2121.1	2085.4	1629.6
57.5°	848.3	854.0	918.5	1088.7	1312.6	1599.6	1920.1	2069.9	2176.9	2153.2	1703.9
60°	636.7	642.1	700.9	849.1	1092.0	1428.6	1850.4	2088.4	2281.8	2263.8	1822.6
62.5°	405.2	412.3	471.4	615.4	834.7	1162.8	1693.8	2069.1	2391.2	2406.2	1984.7
65°	199.3	205.6	249.2	359.5	558.0	869.5	1475.4	1995.3	2530.7	2573.4	2114.6
67.5°	110.3	113.3	128.3	183.0	311.3	596.4	1185.7	1837.6	2594.7	2651.8	2123.3
70°	85.8	86.6	92.3	106.7	151.7	349.9	843.4	1575.1	2462.0	2531.2	1946.5
72.5°	72.2	73.3	76.0	80.9	94.8	182.2	529.9	1217.3	2071.5	2102.8	1505.9
75°	52.8	54.5	62.1	66.4	74.9	110.6	233.6	731.4	1368.9	1338.2	842.6
77.5°	44.4	45.7	47.7	53.9	61.8	75.4	82.0	306.6	557.2	484.5	221.1
80°	30.2	31.9	37.0	40.3	52.3	49.8	34.0	82.2	111.9	91.2	42.5
82.5°	21.5	22.9	25.6	33.0	37.9	26.4	18.5	25.1	27.0	25.6	13.9
85°	6.8	8.7	18.5	27.2	20.4	9.0	11.7	9.5	8.4	8.2	5.4
87.5°	1.4	1.4	9.3	10.9	8.2	4.6	4.1	3.0	3.8	3.8	3.0
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: P674615  
 CATALOG NUMBER: CCP-SA-1C-835-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9
2.5°	295.2	282.9	265.2	248.6	231.7	219.8	211.3	202.9	199.6	198.2	194.7
5°	308.3	284.8	249.7	221.4	200.7	187.6	179.7	172.9	168.6	167.2	165.3
7.5°	327.1	293.3	242.9	210.2	189.5	175.4	162.6	147.9	136.2	131.5	129.6
10°	347.5	306.1	244.0	208.1	180.5	149.5	120.9	97.2	86.9	83.1	80.3
12.5°	377.4	320.2	248.6	205.6	153.6	106.7	77.3	67.5	65.1	64.5	64.0
15°	407.4	340.1	256.3	189.3	114.6	72.7	64.3	60.7	59.4	58.0	58.0
17.5°	437.6	359.2	259.2	157.4	79.2	62.9	58.5	55.6	53.4	52.3	51.5
20°	471.7	379.3	250.5	118.5	63.5	57.5	52.6	49.0	47.1	46.0	45.2
22.5°	508.4	399.2	231.5	82.5	57.7	51.7	47.1	43.6	41.7	40.6	40.3
25°	543.0	416.4	201.0	62.1	52.0	46.3	41.9	38.9	37.6	36.5	36.2
27.5°	578.7	431.1	161.2	54.7	47.4	41.9	37.6	35.1	33.8	33.0	32.7
30°	613.5	441.2	120.1	50.1	43.3	37.9	34.0	32.1	30.8	30.0	29.7
32.5°	649.5	446.9	81.2	46.0	39.2	34.3	31.0	29.1	28.3	27.5	27.5
35°	684.1	446.1	58.5	42.2	35.9	31.0	28.0	26.7	26.4	25.6	25.6
37.5°	721.9	440.3	49.8	38.7	32.4	28.0	25.6	24.8	24.5	24.0	23.7
40°	764.9	427.5	45.5	35.9	29.4	25.6	23.4	22.9	22.6	22.1	22.1
42.5°	812.1	410.9	43.0	33.0	27.0	23.1	21.5	20.7	20.4	19.9	19.9
45°	866.8	395.1	41.4	30.0	24.8	21.2	19.6	18.8	18.5	18.0	18.0
47.5°	941.4	386.1	38.7	27.2	22.3	19.3	17.7	17.2	16.6	16.1	16.1
50°	1044.1	375.5	35.1	24.5	20.4	17.4	16.3	15.5	15.2	14.7	14.7
52.5°	1128.5	352.9	31.6	21.8	18.2	16.1	15.0	14.4	13.9	13.6	13.6
55°	1158.2	326.5	28.0	19.6	16.6	15.0	13.9	13.3	13.1	12.8	12.8
57.5°	1205.6	318.1	24.8	17.4	15.0	13.9	12.8	12.5	12.3	12.0	11.7
60°	1286.4	323.0	21.8	15.5	13.6	12.5	11.7	11.4	10.9	10.3	10.3
62.5°	1364.9	317.0	18.5	13.6	11.7	11.2	10.3	9.8	8.7	7.9	7.4
65°	1383.9	276.9	16.1	11.4	9.8	9.3	8.4	7.4	5.7	4.6	4.6
67.5°	1291.6	210.5	13.9	9.8	8.2	7.6	6.0	4.9	3.5	2.7	2.7
70°	1065.9	133.4	11.4	7.6	6.8	5.2	3.8	3.5	2.5	2.2	1.9
72.5°	769.0	73.0	9.5	6.3	4.9	3.3	2.7	2.2	1.6	1.1	1.1
75°	389.4	34.3	7.1	4.9	3.3	2.2	1.6	1.1	1.1	0.8	0.8
77.5°	110.3	15.8	4.6	3.3	2.2	1.4	1.1	0.8	0.8	0.5	0.5
80°	21.8	7.9	3.0	2.2	1.6	1.1	0.8	0.5	0.5	0.3	0.3
82.5°	7.9	4.1	2.2	1.6	1.4	1.1	0.5	0.3	0.3	0.0	0.0
85°	4.1	2.2	1.6	1.4	1.1	0.8	0.5	0.3	0.0	0.0	0.0
87.5°	2.2	1.6	1.4	1.4	1.1	0.8	0.5	0.3	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)