

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: P676413

Luminaire Tested: **CCW-SA-2A-735-U-T3-HSS**

Issue Date: 04/25/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P676413  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2A-735-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/  
T3 distribution lens and House Side Shield  
Light Source: (32) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

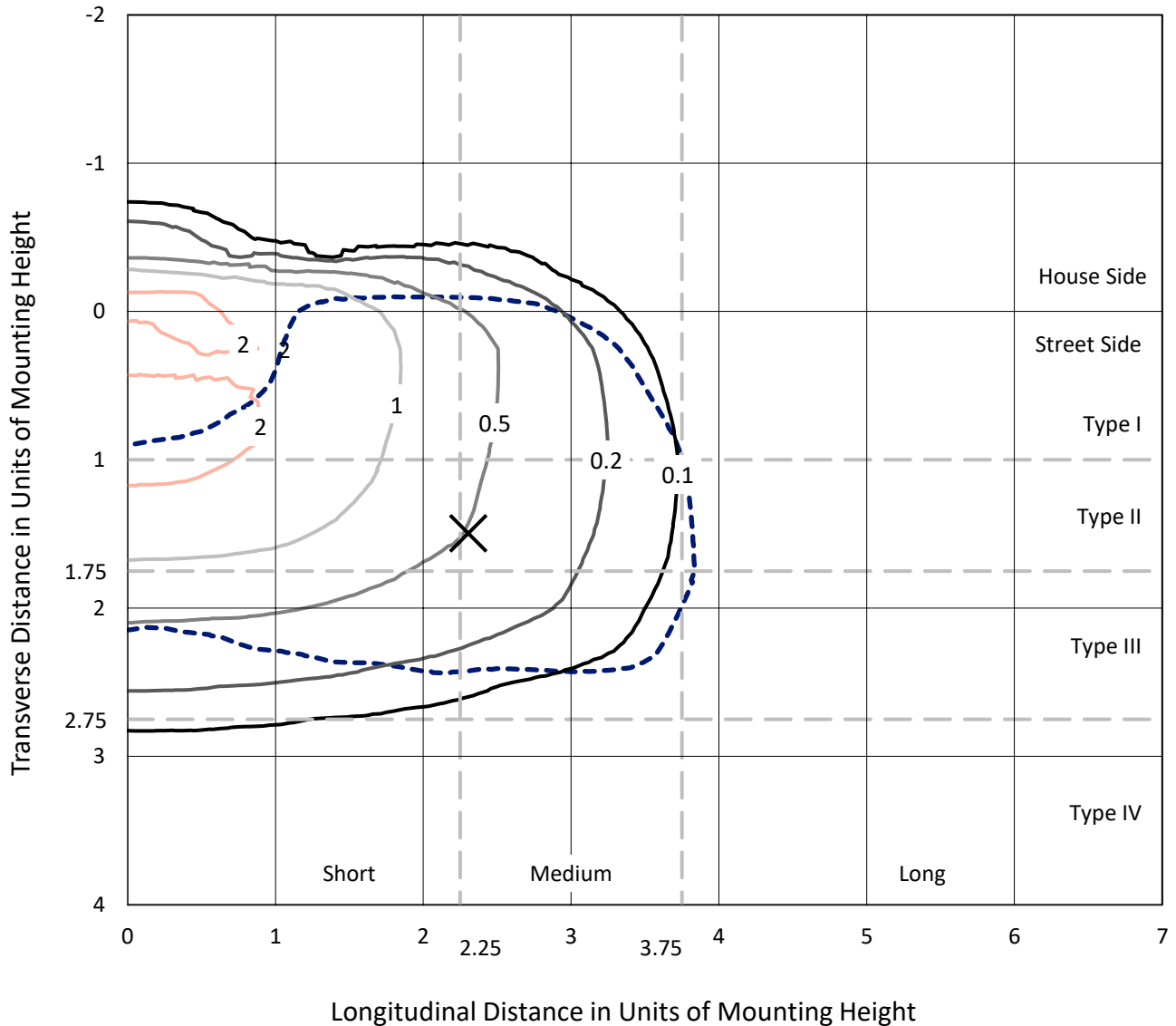
Lumens per Lamp: N/A  
Luminaire Lumens: 3887.8 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2  
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: P676413  
 CATALOG NUMBER: CCW-SA-2A-735-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

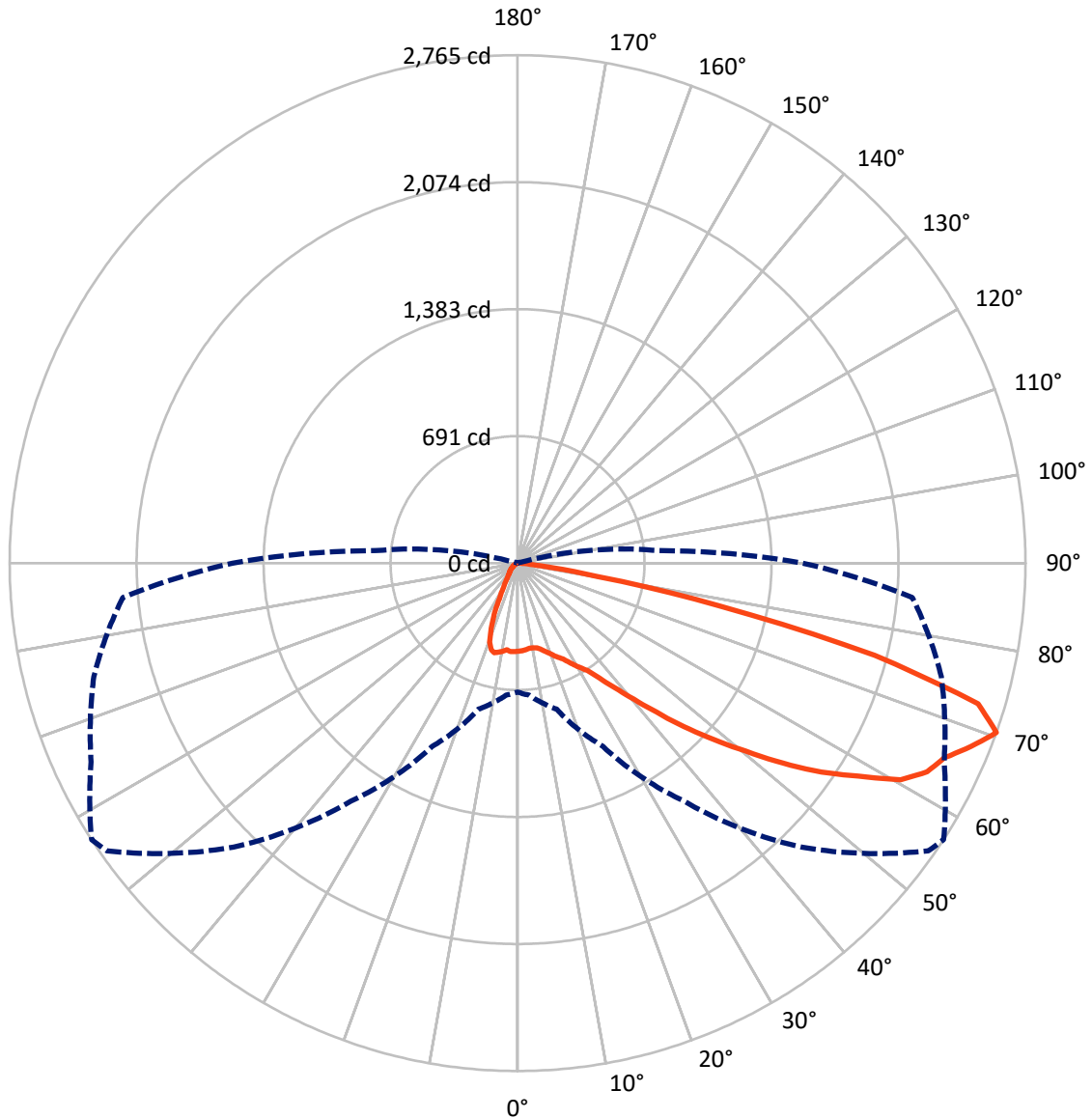
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc  
 Type III - Medium - N/A

REPORT NUMBER: P676413  
CATALOG NUMBER: CCW-SA-2A-735-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P676413

CATALOG NUMBER: CCW-SA-2A-735-U-T3-HSS

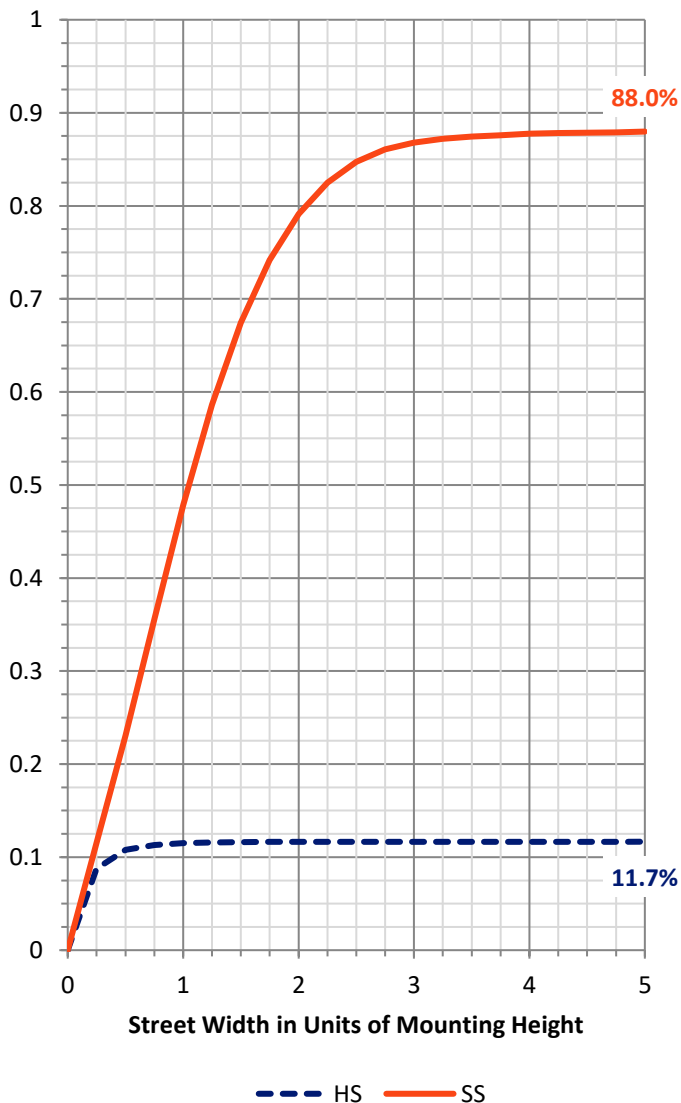
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	458.3	0.0	458.3
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	3429.6	0.0	3429.6
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	3887.8	0.0	3887.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.8	1.2
10°-20°	125.3	3.2
20°-30°	211.1	5.4
30°-40°	361.3	9.3
40°-50°	606.7	15.6
50°-60°	931.3	24.0
60°-70°	1075.2	27.7
70°-80°	507.9	13.1
80°-90°	24.1	0.6
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°	3887.8	100.0
0°-180°	3887.8	100.0



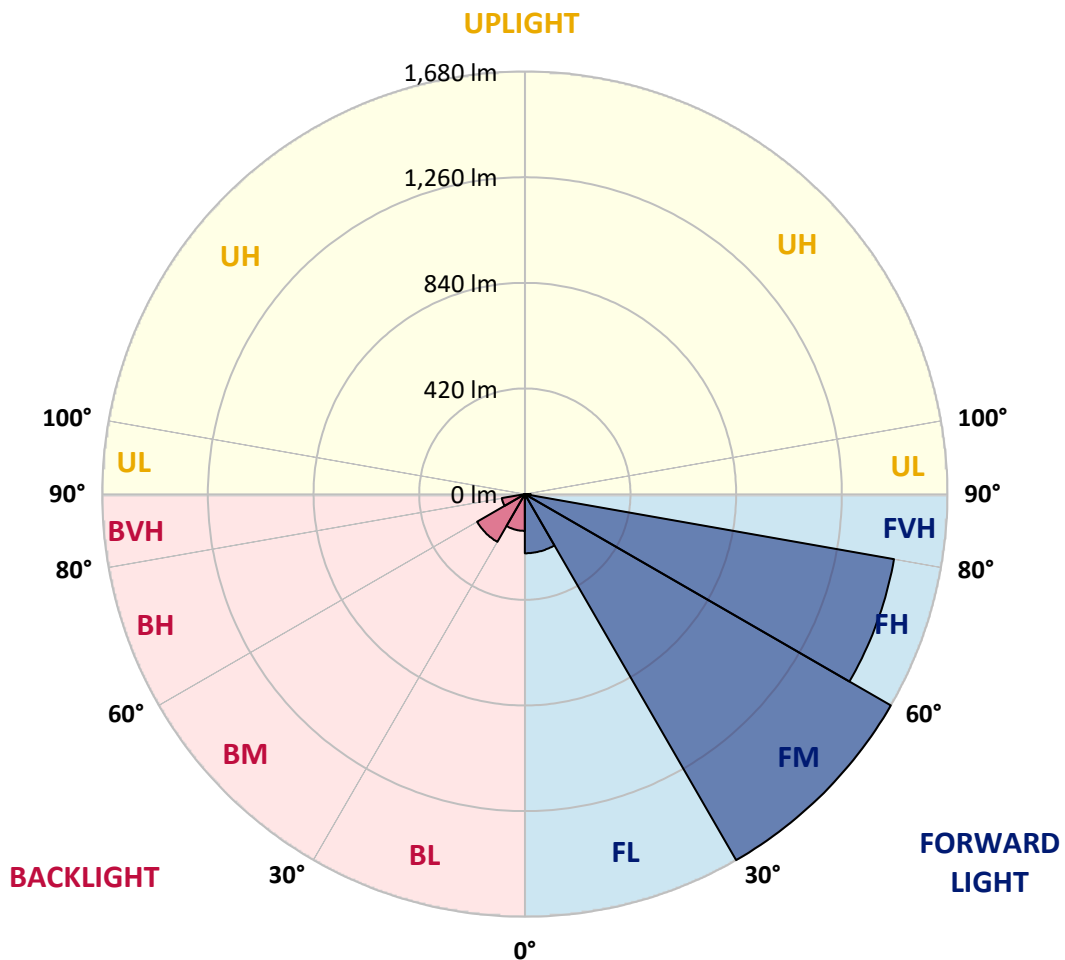
REPORT NUMBER: P676413  
 CATALOG NUMBER: CCW-SA-2A-735-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.2	6.0			
FM (30°-60°)	1680.3	43.2			
FH (60°-80°)	1490.4	38.3			G1/1800
FVH (80°-90°)	23.7	0.6			G1/100
BL (0°-30°)	146.1	3.8	B1/500		
BM (30°-60°)	219.0	5.6	B0/220		
BH (60°-80°)	92.7	2.4	B0/110		G0/110
BVH (80°-90°)	0.4	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 III Medium





REPORT NUMBER: P676413

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7
2.5°	472.8	469.8	472.8	476.7	472.8	475.7	474.7	477.7	473.7	473.7	476.7
5°	442.0	446.9	448.9	453.9	458.8	467.8	473.7	473.7	479.7	482.7	486.7
7.5°	431.0	423.1	431.0	435.0	440.0	454.9	463.8	467.8	475.7	486.7	492.6
10°	415.1	421.1	421.1	434.0	441.0	449.9	465.8	468.8	486.7	497.6	503.5
12.5°	414.2	414.2	419.1	428.1	442.0	458.8	478.7	472.8	491.6	511.5	521.4
15°	417.1	424.1	424.1	436.0	446.9	470.8	487.7	488.6	515.5	535.3	544.3
17.5°	430.0	427.1	431.0	438.0	454.9	477.7	505.5	508.5	539.3	566.1	579.0
20°	456.9	461.8	455.9	451.9	458.8	488.6	524.4	530.4	565.1	590.9	603.9
22.5°	557.2	553.2	529.4	501.6	489.6	503.5	542.3	556.2	596.9	627.7	638.6
25°	670.4	663.4	635.6	593.9	539.3	533.3	578.0	578.0	636.6	670.4	667.4
27.5°	777.7	775.7	742.9	699.2	621.7	579.0	606.8	617.8	681.3	709.1	696.2
30°	886.9	888.9	859.1	806.5	725.0	652.5	647.6	656.5	715.1	758.8	732.0
32.5°	1014.0	996.2	975.3	902.8	828.3	746.9	700.2	696.2	752.8	792.6	756.8
35°	1127.3	1116.3	1093.5	1027.9	942.5	845.2	779.6	769.7	800.5	853.1	814.4
37.5°	1226.6	1215.7	1185.9	1142.2	1075.6	967.4	875.0	860.1	873.0	928.6	881.9
40°	1312.0	1315.0	1307.0	1264.3	1202.7	1104.4	998.1	974.3	963.4	1013.0	960.4
42.5°	1373.6	1402.4	1404.4	1351.7	1302.1	1248.4	1129.2	1110.4	1084.6	1126.3	1089.5
45°	1502.7	1486.8	1496.7	1477.9	1423.2	1415.3	1280.2	1269.3	1233.5	1247.4	1208.7
47.5°	1604.0	1601.0	1619.9	1589.1	1574.2	1575.2	1452.0	1433.2	1382.5	1408.3	1364.6
50°	1662.6	1646.7	1715.2	1739.1	1736.1	1748.0	1625.8	1609.9	1561.3	1599.0	1505.7
52.5°	1676.5	1705.3	1769.8	1856.3	1893.0	1917.8	1815.5	1809.6	1756.9	1780.8	1651.7
55°	1711.3	1739.1	1776.8	1918.8	2054.9	2060.9	2002.3	2008.2	1961.5	1955.6	1790.7
57.5°	1710.3	1704.3	1808.6	1973.5	2162.2	2247.6	2215.8	2187.0	2136.3	2077.7	1880.1
60°	1647.7	1644.7	1753.0	1980.4	2220.8	2416.4	2429.3	2395.6	2268.4	2182.0	1985.4
62.5°	1523.5	1535.5	1644.7	1920.8	2276.4	2477.0	2524.7	2501.8	2343.9	2251.5	2109.5
65°	1381.5	1356.7	1483.8	1771.8	2151.2	2459.1	2562.4	2554.5	2433.3	2327.0	2223.7
67.5°	1108.4	1119.3	1216.6	1524.5	1937.7	2393.6	2650.8	2662.7	2504.8	2393.6	2258.5
70°	702.2	722.0	823.3	1101.4	1582.1	2187.0	2730.3	2765.0	2561.4	2387.6	2157.2
72.5°	204.6	212.5	350.6	549.2	1008.1	1754.0	2603.1	2621.0	2451.2	2167.1	1668.5
75°	67.5	71.5	103.3	178.8	395.3	906.8	1922.8	2007.2	1950.6	1571.2	954.4
77.5°	44.7	46.7	56.6	85.4	150.0	284.0	1030.9	1121.3	1099.5	735.9	307.9
80°	32.8	33.8	41.7	57.6	91.4	102.3	380.4	440.0	425.1	168.8	61.6
82.5°	20.9	20.9	30.8	40.7	57.6	50.7	110.2	122.2	119.2	64.6	23.8
85°	13.9	14.9	22.8	31.8	31.8	23.8	31.8	36.7	39.7	34.8	10.9
87.5°	4.0	5.0	12.9	21.8	12.9	11.9	10.9	11.9	13.9	18.9	6.0
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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 CATALOG NUMBER: CCW-SA-2A-735-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7
2.5°	479.7	483.7	482.7	484.7	481.7	478.7	481.7	481.7	481.7	478.7	476.7
5°	483.7	481.7	483.7	479.7	483.7	479.7	477.7	471.8	470.8	470.8	474.7
7.5°	489.6	491.6	482.7	482.7	473.7	475.7	470.8	471.8	469.8	466.8	464.8
10°	498.6	506.5	497.6	494.6	484.7	476.7	464.8	458.8	458.8	454.9	458.8
12.5°	523.4	520.4	515.5	505.5	493.6	477.7	448.9	420.1	396.3	378.4	387.3
15°	543.3	542.3	535.3	516.5	500.6	451.9	379.4	304.9	265.2	247.3	244.3
17.5°	574.1	571.1	559.2	534.3	481.7	374.4	260.2	197.6	158.9	150.0	147.0
20°	602.9	601.9	576.0	544.3	434.0	273.1	169.8	130.1	119.2	120.2	118.2
22.5°	633.6	628.7	597.9	532.3	345.6	181.8	121.2	116.2	112.2	111.2	113.2
25°	668.4	650.5	619.7	505.5	254.3	125.1	114.2	110.2	106.3	105.3	105.3
27.5°	682.3	670.4	629.7	441.0	160.9	109.2	107.3	102.3	97.3	94.4	93.4
30°	714.1	694.2	639.6	346.6	114.2	100.3	97.3	91.4	84.4	79.5	79.5
32.5°	745.9	722.0	640.6	242.3	95.3	90.4	85.4	77.5	68.5	63.6	64.6
35°	785.6	752.8	629.7	156.9	85.4	79.5	69.5	60.6	52.6	48.7	48.7
37.5°	853.1	822.4	585.0	103.3	77.5	67.5	57.6	47.7	40.7	37.7	37.7
40°	938.6	898.8	523.4	81.4	68.5	57.6	45.7	36.7	32.8	29.8	29.8
42.5°	1040.9	991.2	432.0	72.5	60.6	47.7	35.8	28.8	24.8	24.8	23.8
45°	1143.2	1061.7	338.7	66.5	53.6	39.7	27.8	22.8	20.9	19.9	19.9
47.5°	1289.1	1147.1	242.3	60.6	46.7	30.8	22.8	18.9	16.9	15.9	16.9
50°	1429.2	1227.6	171.8	54.6	38.7	24.8	18.9	16.9	14.9	13.9	13.9
52.5°	1552.3	1283.2	120.2	47.7	32.8	20.9	16.9	14.9	13.9	12.9	12.9
55°	1619.9	1264.3	82.4	40.7	26.8	17.9	14.9	12.9	11.9	10.9	10.9
57.5°	1689.4	1211.7	62.6	33.8	21.8	16.9	13.9	11.9	10.9	9.9	9.9
60°	1748.0	1172.9	48.7	26.8	17.9	13.9	11.9	9.9	8.9	7.9	7.0
62.5°	1751.0	1095.5	35.8	19.9	13.9	11.9	9.9	7.9	5.0	4.0	3.0
65°	1762.9	1014.0	25.8	14.9	9.9	8.9	7.0	4.0	2.0	0.0	0.0
67.5°	1721.2	917.7	20.9	10.9	7.0	5.0	3.0	1.0	0.0	0.0	0.0
70°	1551.3	774.7	15.9	7.9	5.0	3.0	1.0	0.0	0.0	0.0	0.0
72.5°	1110.4	503.5	10.9	6.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	591.9	214.5	7.9	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	185.7	54.6	5.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	40.7	14.9	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	13.9	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	1.0	0.0	0.0	0.0	0.0	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)