

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: P674680

Luminaire Tested: **CCP-SA-1A-730-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674680  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1A-730-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

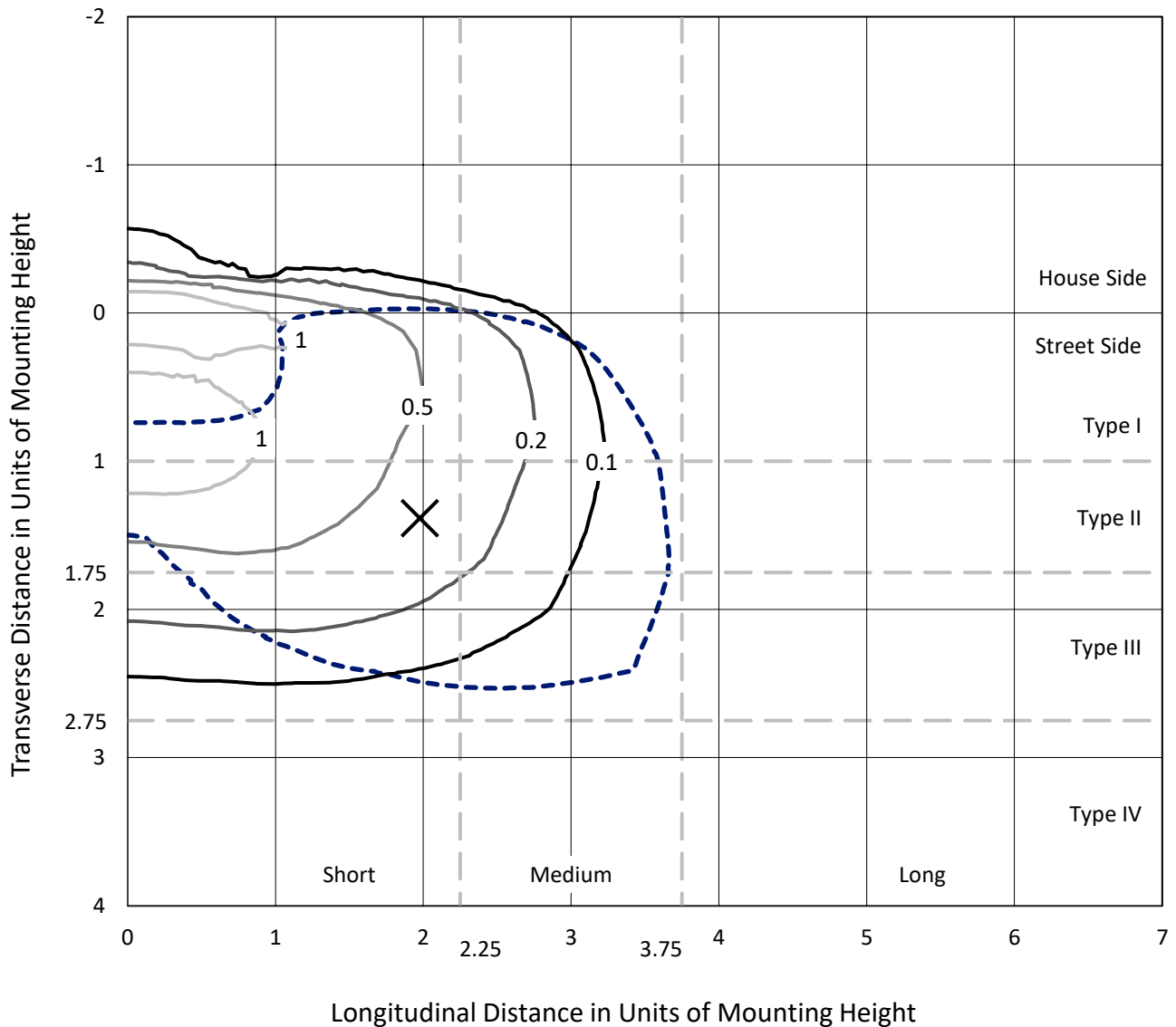
Lumens per Lamp: N/A  
Luminaire Lumens: 1975.8 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 18  
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

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### Iso-Footcandle Lines of Horizontal Illumination

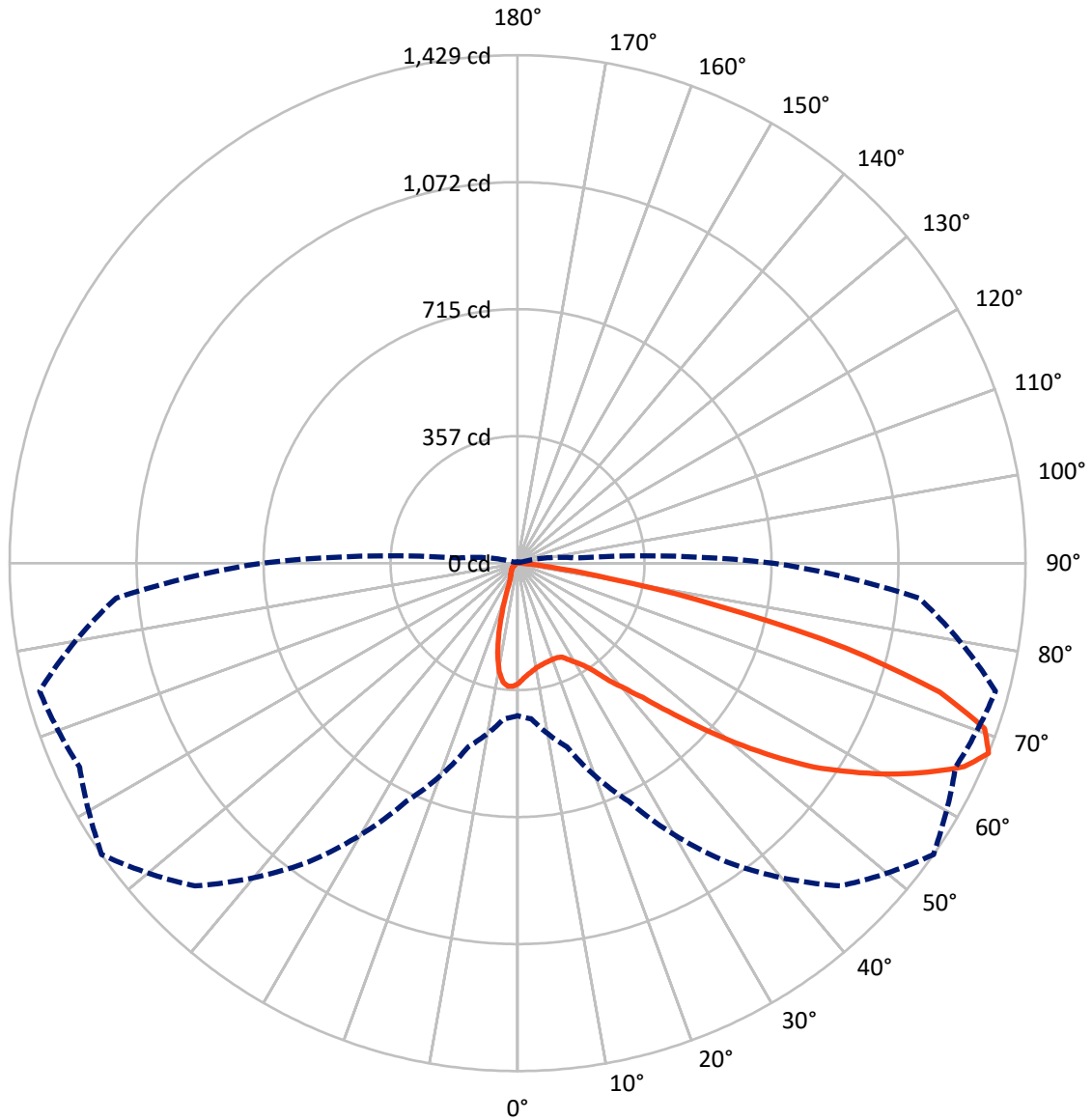
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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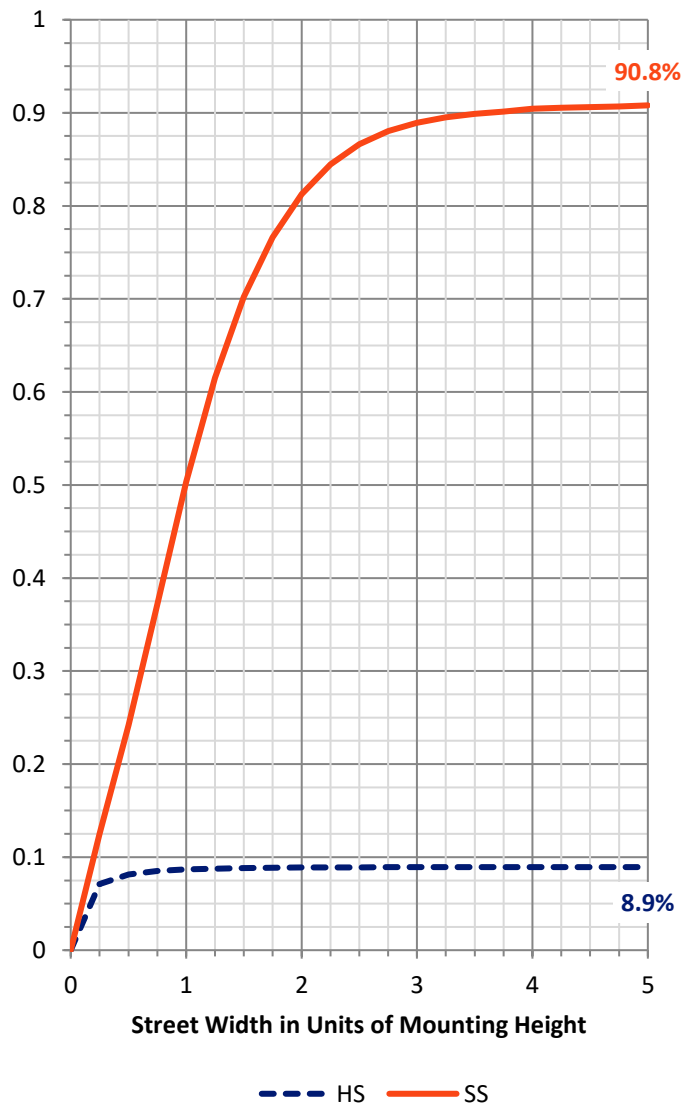
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	177.5	0.0	177.5
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	1798.3	0.0	1798.3
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	1975.8	0.0	1975.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.7	1.5
10°-20°	67.7	3.4
20°-30°	108.5	5.5
30°-40°	188.3	9.5
40°-50°	313.9	15.9
50°-60°	459.1	23.2
60°-70°	535.3	27.1
70°-80°	259.8	13.1
80°-90°	13.6	0.7
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°	1975.8	100.0
0°-180°	1975.8	100.0



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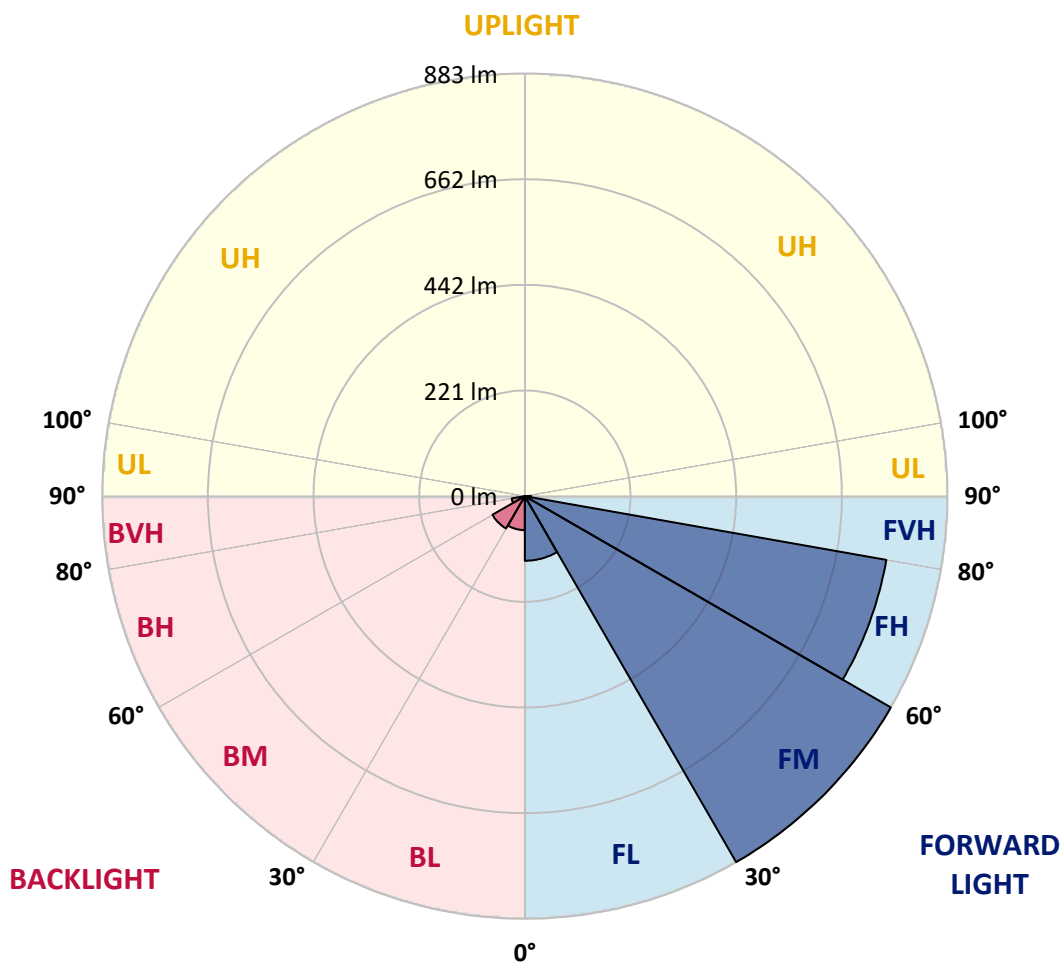
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.0	6.8			
FM (30°-60°)	883.1	44.7			
FH (60°-80°)	767.0	38.8			G1/1800
FVH (80°-90°)	13.2	0.7			G1/100
BL (0°-30°)	71.0	3.6	B0/110		
BM (30°-60°)	78.1	4.0	B0/220		
BH (60°-80°)	28.0	1.4	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: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6
2.5°	312.6	314.6	317.1	318.0	321.1	325.5	324.2	323.3	328.2	335.0	337.1
5°	293.1	293.3	297.3	300.2	305.5	309.6	314.2	313.8	322.8	334.2	341.5
7.5°	274.0	274.3	278.5	283.1	290.7	298.9	305.8	305.5	319.8	335.1	349.0
10°	248.8	250.7	255.8	263.8	275.8	288.7	298.4	299.3	316.6	338.6	359.2
12.5°	228.6	229.6	235.2	245.6	259.8	276.7	294.7	294.2	317.3	345.0	372.5
15°	220.1	219.5	223.0	230.6	246.8	268.1	291.1	292.4	319.8	352.2	386.3
17.5°	222.1	221.5	223.4	226.1	237.6	261.0	289.1	291.3	323.8	359.9	399.2
20°	244.3	240.5	237.2	234.3	235.9	255.2	287.8	290.2	326.2	365.7	412.9
22.5°	287.1	282.3	273.6	257.4	246.7	255.6	288.2	291.3	331.5	375.2	429.4
25°	356.8	352.2	333.5	300.4	272.0	268.7	293.1	296.4	343.7	389.6	447.1
27.5°	449.1	438.9	416.1	368.6	313.8	289.6	307.8	311.5	361.0	400.7	459.1
30°	525.7	523.4	501.5	443.3	371.5	320.4	324.4	326.4	368.8	407.4	471.1
32.5°	605.3	600.4	580.3	523.7	438.5	364.3	343.0	343.9	379.0	417.4	488.6
35°	674.5	669.9	653.2	598.2	516.8	423.2	373.7	371.7	400.1	439.4	512.3
37.5°	738.5	738.0	723.2	667.2	587.1	484.4	419.1	417.4	433.1	463.7	544.3
40°	801.2	799.7	787.1	736.0	656.2	545.4	462.2	458.0	461.1	497.5	586.5
42.5°	839.6	842.7	847.0	814.6	738.3	616.9	516.8	514.3	513.7	550.5	642.0
45°	860.3	865.8	891.4	888.5	825.4	705.9	594.5	588.0	585.8	623.3	705.6
47.5°	880.5	882.9	924.9	942.6	908.7	798.8	688.5	679.4	670.4	712.1	781.5
50°	881.8	885.6	937.7	980.6	978.6	890.2	793.9	785.9	775.7	820.3	855.6
52.5°	864.0	871.6	936.0	1004.7	1022.0	970.8	903.3	896.7	888.3	921.7	918.0
55°	740.7	753.6	904.0	1006.9	1052.4	1040.0	1013.2	1004.1	995.9	1019.6	979.2
57.5°	682.1	689.4	806.8	1005.2	1091.1	1104.1	1108.6	1104.4	1093.0	1122.4	1043.1
60°	647.0	657.5	760.4	987.0	1133.0	1176.5	1205.1	1196.7	1182.7	1223.3	1111.5
62.5°	604.9	612.6	714.1	934.6	1157.9	1250.2	1295.6	1287.9	1259.0	1316.3	1166.9
65°	527.4	538.8	640.6	852.1	1124.5	1304.3	1380.8	1378.2	1328.0	1386.6	1182.0
67.5°	429.2	439.6	534.5	739.1	1026.5	1284.1	1429.0	1421.0	1359.3	1391.9	1134.1
70°	322.2	327.9	399.4	564.7	841.0	1176.2	1394.1	1392.4	1311.8	1313.6	987.2
72.5°	172.9	188.6	265.6	377.9	591.4	952.6	1242.4	1235.9	1170.3	1075.8	709.9
75°	60.4	65.0	141.4	212.3	321.3	634.6	955.3	940.0	875.2	699.8	386.8
77.5°	37.1	40.8	62.8	108.5	125.1	275.4	574.0	554.1	512.3	302.5	132.2
80°	25.7	28.9	42.1	56.8	42.6	89.2	264.1	256.7	197.5	72.1	30.4
82.5°	14.4	17.3	31.9	27.9	17.1	23.1	91.6	84.8	52.6	19.5	10.2
85°	8.4	10.0	22.4	19.7	8.7	8.2	23.8	21.3	13.7	7.3	4.9
87.5°	4.4	5.6	16.4	13.1	5.3	2.9	5.5	5.3	3.5	2.5	3.3
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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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6
2.5°	341.1	340.2	345.0	346.6	346.2	345.5	347.3	345.0	344.8	344.2	343.7
5°	347.3	348.8	352.6	352.6	347.5	339.1	334.0	327.1	321.3	317.8	317.3
7.5°	356.6	359.5	362.1	354.2	336.8	316.0	294.0	276.7	261.6	253.8	253.0
10°	369.7	372.5	370.4	348.1	310.6	267.6	231.7	195.7	177.7	167.8	167.8
12.5°	385.4	387.6	375.4	332.6	267.4	205.2	157.3	119.4	101.4	89.7	89.0
15°	402.3	402.9	374.6	305.6	214.1	137.8	90.3	66.3	58.6	57.0	56.6
17.5°	417.1	414.9	367.0	265.8	154.2	82.1	57.3	51.9	50.4	50.4	50.4
20°	430.9	423.6	351.7	219.4	98.8	55.9	49.3	47.9	47.9	48.1	48.1
22.5°	446.2	431.8	329.9	167.8	63.5	47.9	46.2	45.5	45.3	45.9	45.7
25°	464.2	439.8	298.5	116.0	49.2	44.6	43.9	43.1	43.1	43.1	43.1
27.5°	474.2	438.7	262.9	73.2	43.0	41.3	40.6	39.9	39.3	39.1	39.3
30°	482.9	432.3	216.3	51.2	38.8	37.0	36.4	35.5	34.4	34.0	34.0
32.5°	494.4	427.1	167.5	41.1	35.1	33.1	31.5	30.0	28.2	27.5	27.3
35°	507.2	417.4	122.7	36.2	31.9	29.3	26.8	24.4	22.0	21.3	21.1
37.5°	523.0	408.7	83.2	33.5	29.1	26.0	22.6	19.3	17.1	16.7	16.7
40°	544.5	401.4	57.5	31.1	26.6	22.9	18.7	15.3	13.8	13.5	13.5
42.5°	573.8	395.4	43.5	29.1	24.4	19.8	15.1	12.6	11.5	11.1	11.1
45°	608.4	386.1	36.8	27.3	22.2	16.7	12.6	10.6	10.0	10.0	10.0
47.5°	648.1	374.5	33.5	25.5	19.8	13.7	10.6	9.6	9.5	9.5	9.6
50°	688.1	360.6	31.1	23.3	17.1	11.7	9.6	9.1	9.1	9.3	9.3
52.5°	715.2	339.0	28.8	20.9	14.4	10.2	9.1	8.9	8.7	8.7	8.7
55°	741.6	320.0	25.5	18.4	12.0	9.5	8.7	8.6	8.6	8.4	8.4
57.5°	769.1	305.1	21.3	15.3	10.2	8.9	8.4	8.4	8.0	7.8	7.8
60°	801.0	292.0	16.4	12.0	8.9	8.4	7.8	7.6	7.3	6.9	6.9
62.5°	810.3	264.3	12.4	9.6	7.6	7.3	7.1	6.7	5.8	5.1	5.3
65°	786.0	220.8	9.8	7.6	6.2	6.2	5.6	4.7	3.8	3.3	3.3
67.5°	719.2	164.9	8.0	6.0	4.9	4.7	4.0	3.5	2.4	2.0	2.0
70°	592.7	109.0	6.6	4.7	4.0	3.3	2.7	2.5	1.8	1.5	1.5
72.5°	415.4	59.2	5.5	3.8	2.9	2.2	1.8	1.6	1.3	1.1	0.9
75°	219.4	22.8	4.4	2.9	1.8	1.5	1.1	1.1	0.9	0.7	0.7
77.5°	75.2	9.6	3.1	1.6	1.3	0.9	0.7	0.5	0.7	0.5	0.5
80°	17.8	5.6	2.0	1.1	0.7	0.5	0.5	0.4	0.4	0.4	0.4
82.5°	7.8	3.3	1.3	0.7	0.7	0.5	0.4	0.2	0.2	0.2	0.2
85°	5.3	2.0	0.9	0.7	0.5	0.4	0.2	0.2	0.0	0.0	0.0
87.5°	4.2	1.3	0.7	0.7	0.5	0.4	0.2	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)