

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: P672312

Luminaire Tested: **CCP-SA-1D-835-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672312  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-835-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

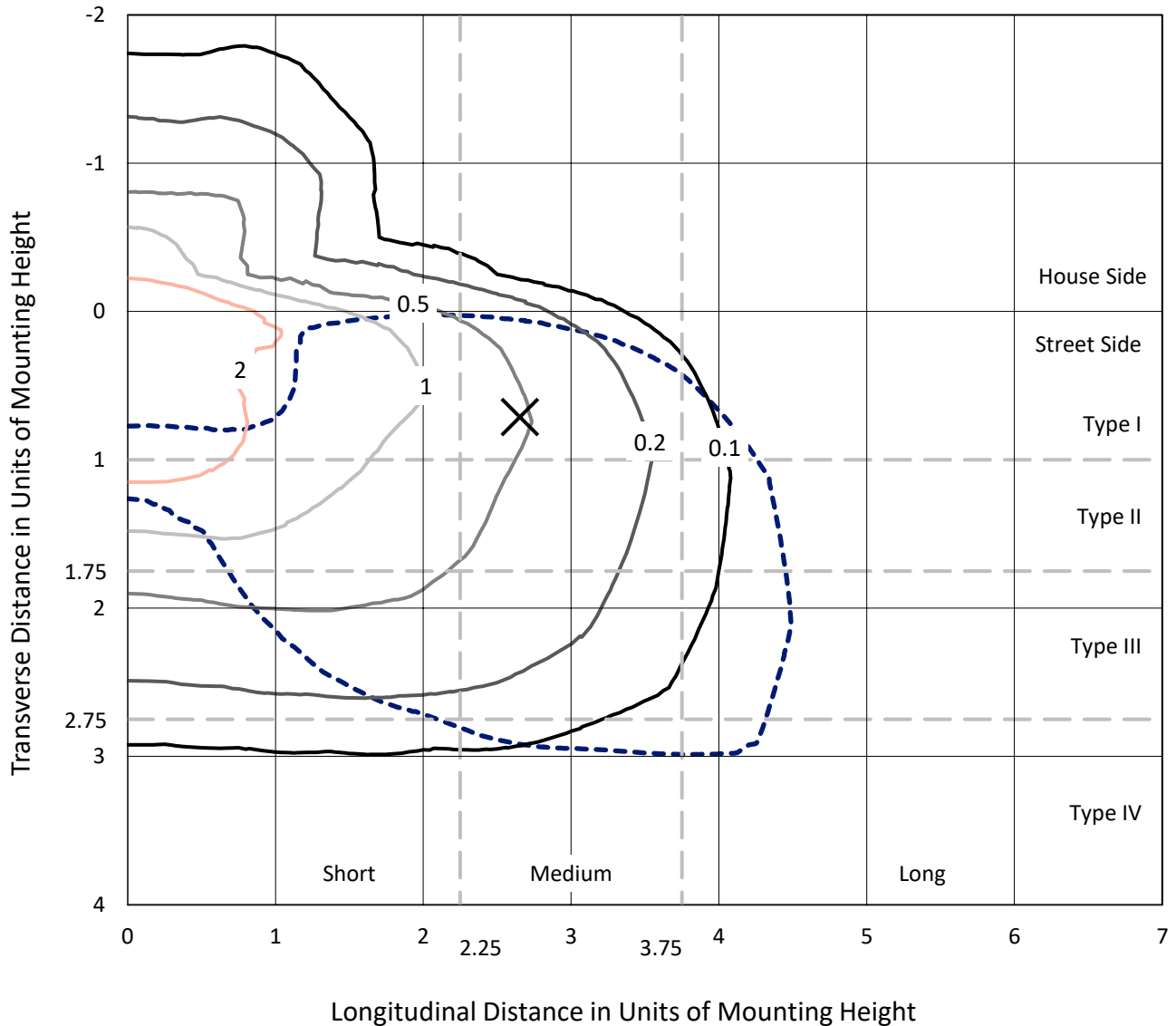
Lumens per Lamp: N/A  
Luminaire Lumens: 4670.6 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 44  
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

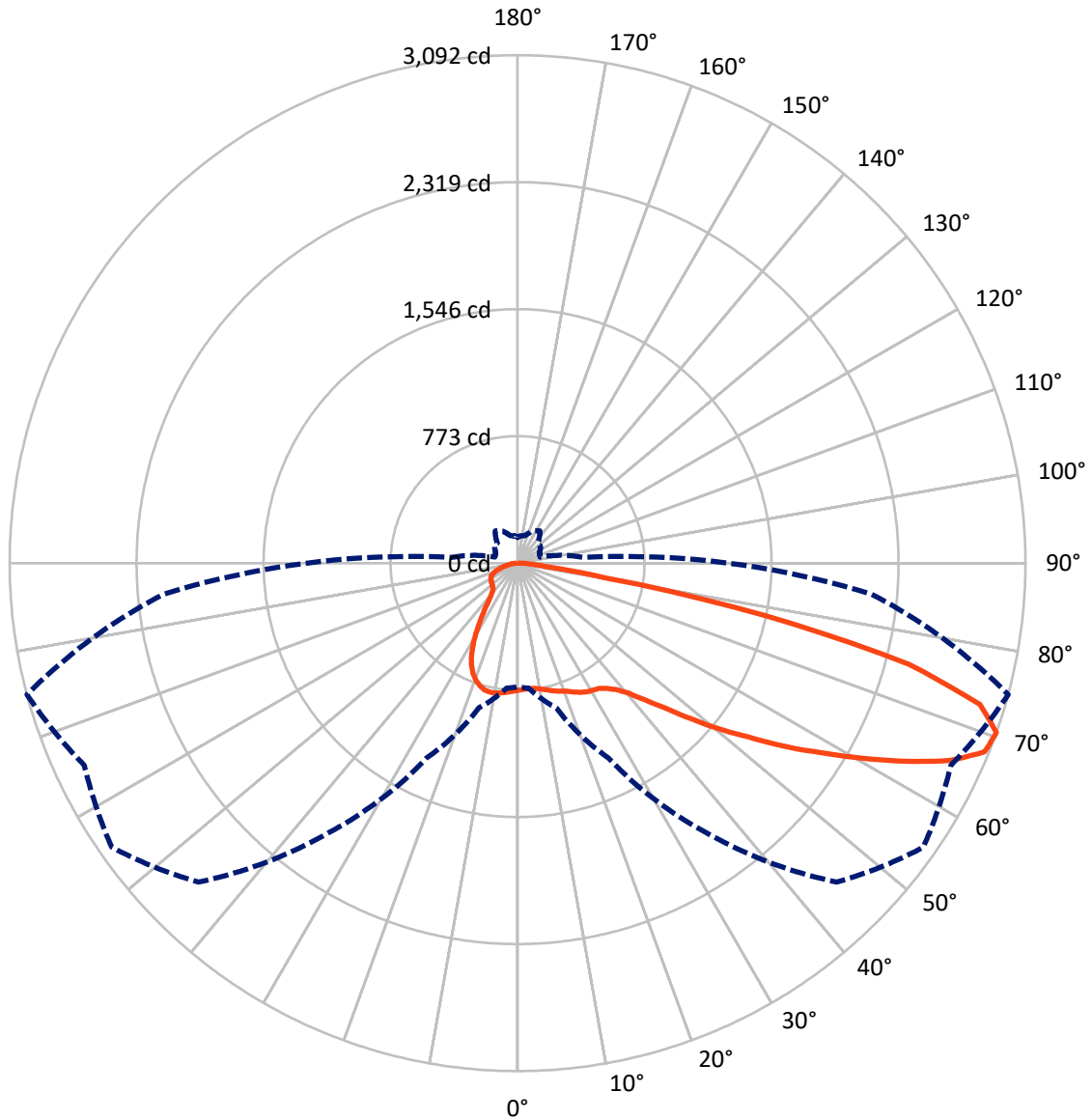
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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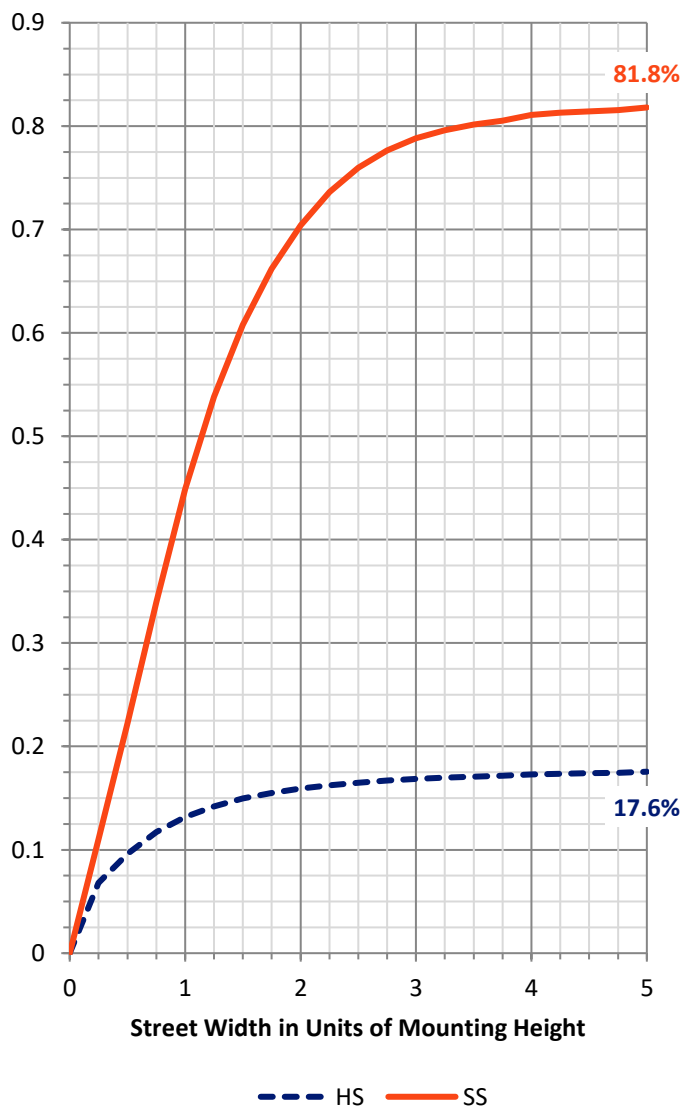
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	831.0	0.0	831.0
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	3839.6	0.0	3839.6
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	4670.6	0.0	4670.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.5	1.5
10°-20°	185.5	4.0
20°-30°	312.5	6.7
30°-40°	474.6	10.2
40°-50°	680.0	14.6
50°-60°	901.5	19.3
60°-70°	1128.2	24.2
70°-80°	823.9	17.6
80°-90°	95.0	2.0
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°	4670.6	100.0
0°-180°	4670.6	100.0



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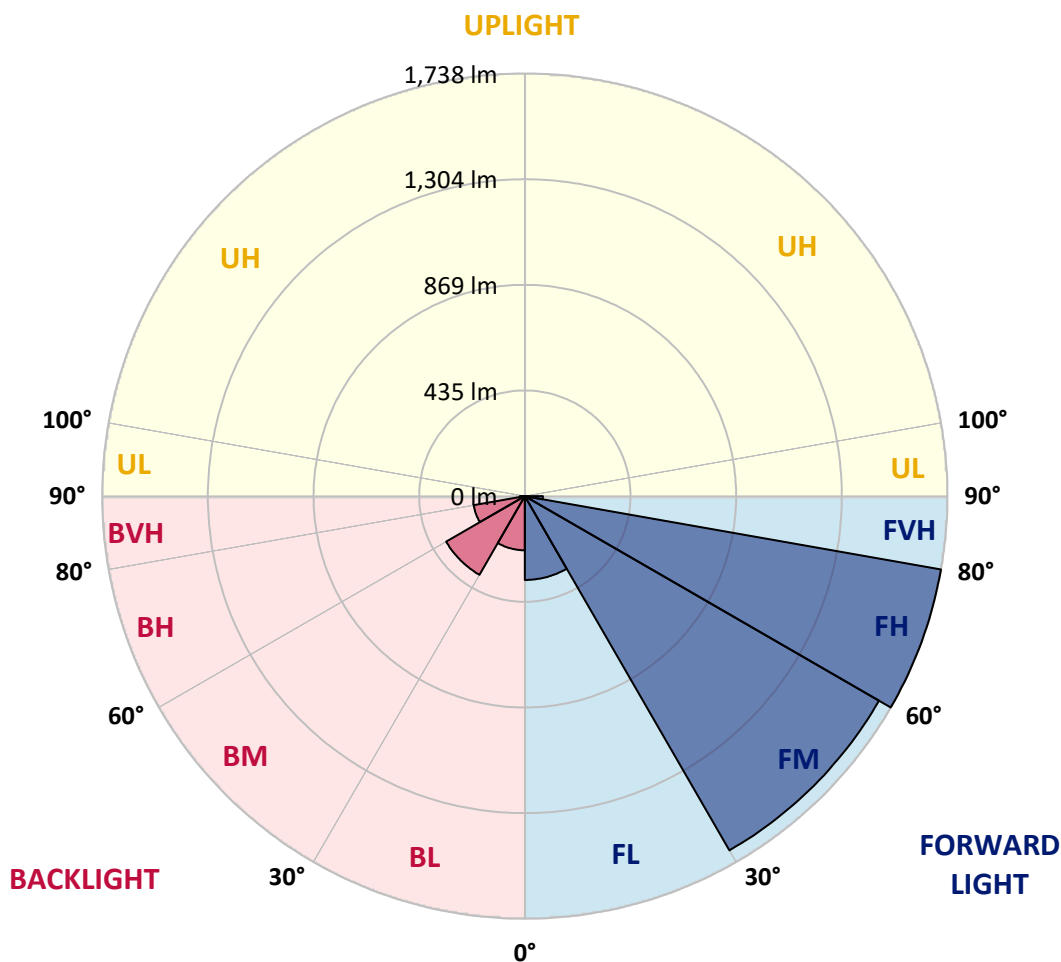
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.7	7.4			
FM (30°-60°)	1682.5	36.0			
FH (60°-80°)	1738.3	37.2			G1/1800
FVH (80°-90°)	74.1	1.6			G1/100
BL (0°-30°)	222.7	4.8	B1/500		
BM (30°-60°)	373.6	8.0	B1/1000		
BH (60°-80°)	213.7	4.6	B1/500		G1/500
BVH (80°-90°)	20.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	773.7	773.7	773.7	773.7	773.7	773.7	773.7	773.7	773.7	773.7	773.7
2.5°	731.3	735.3	739.0	742.7	745.8	753.8	755.5	764.3	766.6	768.6	771.3
5°	690.3	693.3	697.0	703.1	709.5	723.9	734.0	753.2	763.9	767.3	776.7
7.5°	668.1	669.1	674.2	679.2	686.6	700.7	714.5	744.4	765.9	769.6	789.8
10°	652.0	653.3	658.1	665.1	672.5	685.6	702.7	738.4	773.3	779.0	807.6
12.5°	646.3	645.6	651.0	655.7	666.1	682.6	700.4	738.7	783.4	791.5	833.5
15°	669.1	664.8	668.1	666.5	669.8	685.9	707.1	746.1	795.8	805.9	860.4
17.5°	719.6	715.9	713.5	699.1	689.6	698.7	718.9	756.5	809.0	819.7	884.6
20°	794.8	784.4	775.7	751.5	725.3	722.2	736.4	766.9	821.4	831.8	910.1
22.5°	880.5	872.1	858.0	815.7	775.0	754.8	758.5	786.1	839.5	851.0	939.4
25°	988.8	988.4	959.5	902.4	840.9	800.2	792.5	816.7	860.0	871.1	963.6
27.5°	1112.1	1103.7	1069.4	995.8	918.5	856.3	838.2	847.9	876.5	887.9	983.0
30°	1217.6	1218.6	1183.7	1103.4	1001.2	911.1	876.8	870.5	887.3	898.7	1001.2
32.5°	1330.6	1324.8	1292.9	1210.2	1090.6	969.9	901.7	886.6	898.4	909.1	1026.4
35°	1436.8	1430.4	1402.8	1313.7	1189.1	1034.8	935.3	911.8	924.6	936.3	1057.3
37.5°	1537.9	1538.9	1507.7	1422.6	1284.5	1111.4	985.1	949.8	963.6	976.7	1104.4
40°	1626.3	1621.3	1597.1	1520.4	1383.7	1189.4	1041.2	1001.5	1028.4	1040.5	1163.9
42.5°	1654.5	1654.2	1663.6	1616.6	1487.8	1282.2	1111.1	1082.2	1120.2	1138.3	1236.8
45°	1630.0	1637.4	1691.8	1690.5	1592.0	1388.7	1206.5	1180.3	1235.1	1255.6	1325.8
47.5°	1605.8	1616.9	1690.8	1732.8	1685.5	1506.0	1323.8	1304.3	1383.0	1412.6	1418.3
50°	1570.5	1580.9	1669.0	1738.9	1742.6	1624.6	1475.7	1451.2	1552.4	1582.6	1518.8
52.5°	1531.2	1539.3	1630.3	1734.5	1769.8	1717.4	1624.6	1617.6	1733.9	1758.4	1620.9
55°	1314.1	1348.4	1573.5	1725.1	1788.6	1788.3	1769.5	1792.7	1931.8	1968.4	1734.9
57.5°	1189.4	1207.5	1413.6	1719.7	1823.9	1853.8	1919.0	1968.8	2143.2	2176.1	1860.6
60°	1148.7	1164.9	1333.2	1713.4	1894.2	1956.3	2065.2	2145.9	2370.4	2410.7	2001.0
62.5°	1111.8	1131.3	1300.6	1662.6	1979.2	2118.7	2239.7	2337.5	2610.0	2657.7	2140.8
65°	1036.5	1050.3	1240.8	1619.9	2059.9	2350.2	2491.4	2548.5	2842.3	2896.0	2233.6
67.5°	906.4	919.5	1106.0	1521.8	2112.3	2591.2	2766.6	2767.0	3021.7	3065.8	2253.1
70°	753.5	763.6	911.8	1308.0	2003.1	2745.8	3015.0	2909.8	3072.5	3091.6	2160.3
72.5°	538.7	547.5	667.8	966.9	1642.4	2620.4	3071.5	2903.8	2949.5	2943.4	1896.5
75°	332.1	348.9	409.0	590.2	1020.7	2061.9	2764.3	2631.2	2476.6	2459.8	1428.0
77.5°	216.4	225.2	276.6	348.2	450.4	1183.7	2099.5	1972.8	1563.8	1544.3	767.6
80°	130.1	144.5	181.1	218.8	204.0	452.7	1198.8	980.0	552.5	546.5	235.9
82.5°	69.9	83.0	127.7	135.4	114.6	160.0	434.2	318.6	176.8	174.8	88.4
85°	55.5	61.8	91.8	85.7	64.9	81.0	169.4	132.8	90.7	88.7	33.3
87.5°	33.6	42.3	69.6	57.8	32.3	29.2	77.6	62.8	42.7	39.7	13.1
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°	773.7	773.7	773.7	773.7	773.7	773.7	773.7	773.7	773.7	773.7	773.7
2.5°	776.4	778.0	779.7	776.4	777.7	776.0	776.0	776.0	771.6	770.3	774.3
5°	783.7	786.1	787.4	777.0	770.6	761.2	753.5	741.7	735.0	730.6	730.6
7.5°	798.9	801.6	795.5	772.3	749.8	724.6	698.7	677.2	661.7	655.0	657.0
10°	821.1	822.1	801.9	759.2	711.2	664.4	627.8	599.2	580.1	570.3	569.0
12.5°	846.9	842.6	803.2	730.3	659.1	596.2	551.5	514.5	490.0	480.6	475.9
15°	872.5	862.1	798.2	695.7	599.9	524.3	467.2	432.2	417.1	412.7	411.0
17.5°	895.3	875.8	781.4	646.0	531.3	440.3	398.3	385.8	387.5	391.5	393.2
20°	916.2	886.3	757.2	586.8	445.6	374.7	364.3	375.7	385.2	391.2	392.2
22.5°	939.0	896.3	723.6	514.9	375.4	344.5	356.9	370.0	379.4	385.5	386.5
25°	956.5	896.0	676.2	429.5	331.0	336.4	351.2	363.0	370.0	374.4	374.1
27.5°	967.6	887.9	614.0	359.3	313.6	330.7	344.8	352.6	356.6	359.9	359.6
30°	970.9	872.5	535.7	307.5	305.5	325.3	336.1	340.8	343.8	347.2	347.2
32.5°	977.7	848.6	449.3	278.6	299.5	320.0	326.3	330.0	327.7	319.3	317.6
35°	985.1	822.1	367.7	265.2	293.7	316.3	322.3	312.6	287.0	283.7	282.3
37.5°	999.5	797.5	298.4	255.8	292.4	318.3	323.3	284.3	262.8	252.4	250.7
40°	1024.0	773.0	252.1	249.0	294.1	327.0	309.9	270.9	235.3	215.4	212.1
42.5°	1056.3	743.1	225.8	245.7	298.8	341.1	305.2	251.7	212.7	199.3	197.3
45°	1093.6	703.4	213.4	245.0	304.5	348.2	306.5	236.3	202.7	192.2	191.6
47.5°	1132.3	664.4	208.0	244.3	311.5	345.2	288.0	231.6	198.6	195.6	197.6
50°	1173.9	620.1	203.7	242.7	317.3	345.2	277.9	230.6	200.0	206.7	213.4
52.5°	1212.9	582.8	198.6	237.6	319.6	339.1	274.9	234.2	202.0	200.3	202.3
55°	1260.3	563.6	195.9	230.6	315.2	320.6	271.2	244.3	203.7	189.9	189.9
57.5°	1314.4	559.6	191.9	221.1	301.1	295.1	270.9	250.4	199.3	186.5	184.2
60°	1379.6	568.3	186.9	209.4	284.0	275.3	268.5	250.4	192.2	180.8	181.8
62.5°	1432.4	567.3	183.8	199.0	261.1	254.8	264.2	247.0	189.6	180.1	179.8
65°	1444.8	545.8	175.1	185.5	232.9	229.9	259.5	238.6	185.9	176.4	173.8
67.5°	1402.8	497.1	162.0	167.7	203.0	203.3	251.1	227.5	180.8	174.4	170.1
70°	1283.5	402.0	142.5	146.2	170.7	175.1	238.6	214.4	172.4	165.7	155.3
72.5°	1074.1	289.0	120.0	121.0	135.8	147.2	217.1	196.6	160.0	144.2	133.1
75°	795.2	191.9	97.8	96.5	101.8	119.6	185.5	176.8	143.8	119.6	113.9
77.5°	420.4	113.6	75.3	75.6	72.3	91.8	147.2	153.6	127.7	100.8	95.1
80°	143.8	68.2	54.1	56.5	51.1	65.5	109.2	127.7	109.2	84.0	74.3
82.5°	65.9	41.7	38.6	40.3	36.6	44.4	74.9	96.8	87.0	61.2	49.4
85°	33.3	24.9	24.9	27.2	24.2	22.9	41.3	64.2	63.9	42.0	36.3
87.5°	13.8	12.1	11.4	13.1	11.4	8.7	11.8	23.2	33.6	25.2	16.1
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)