

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: P672337

Luminaire Tested: **CCP-SA-2A-850-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672337  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-850-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens  
Light Source: (32) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

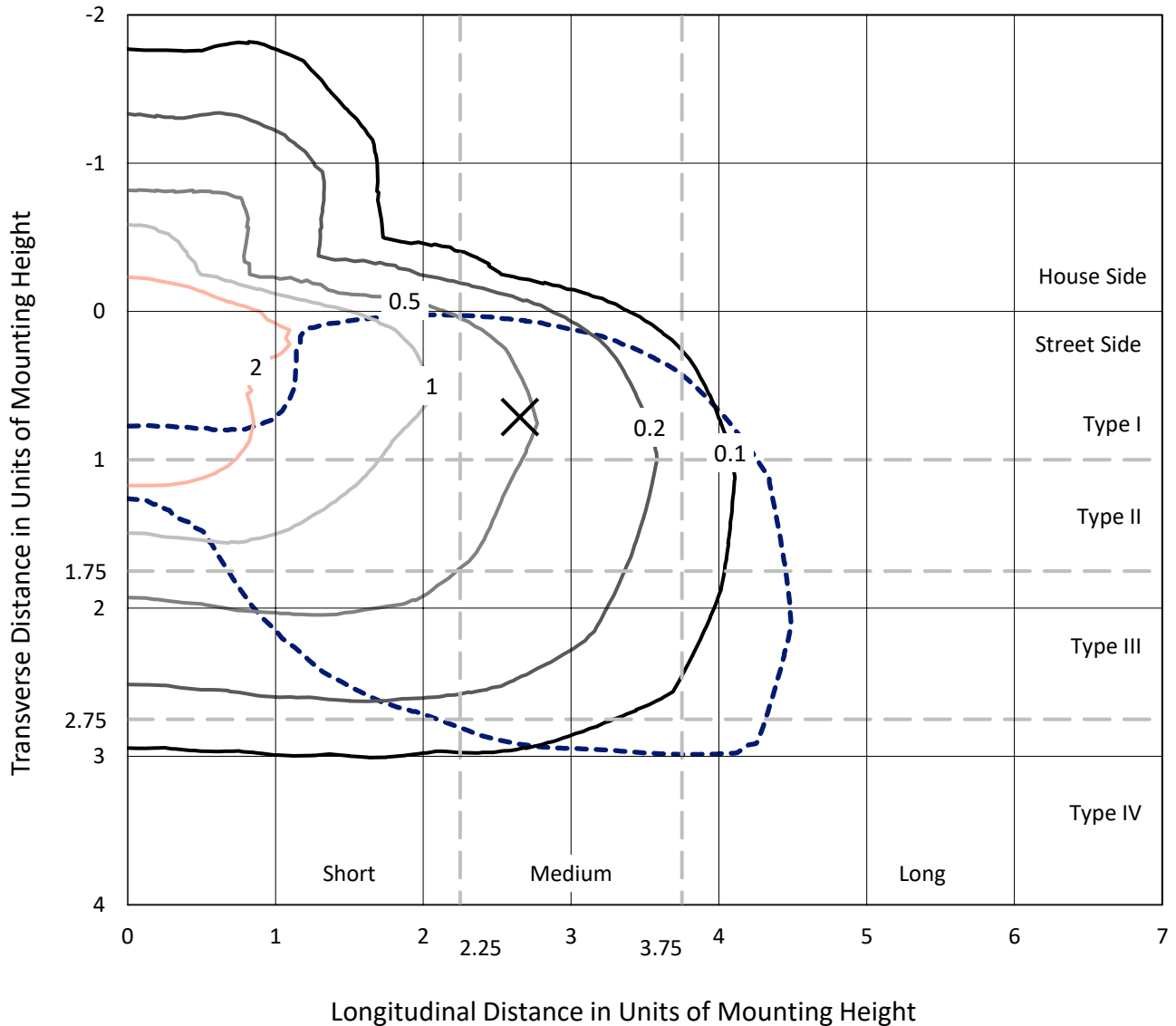
Lumens per Lamp: N/A  
Luminaire Lumens: 4852.7 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

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: P672337  
 CATALOG NUMBER: CCP-SA-2A-850-U-T3R

### Iso-Footcandle Lines of Horizontal Illumination

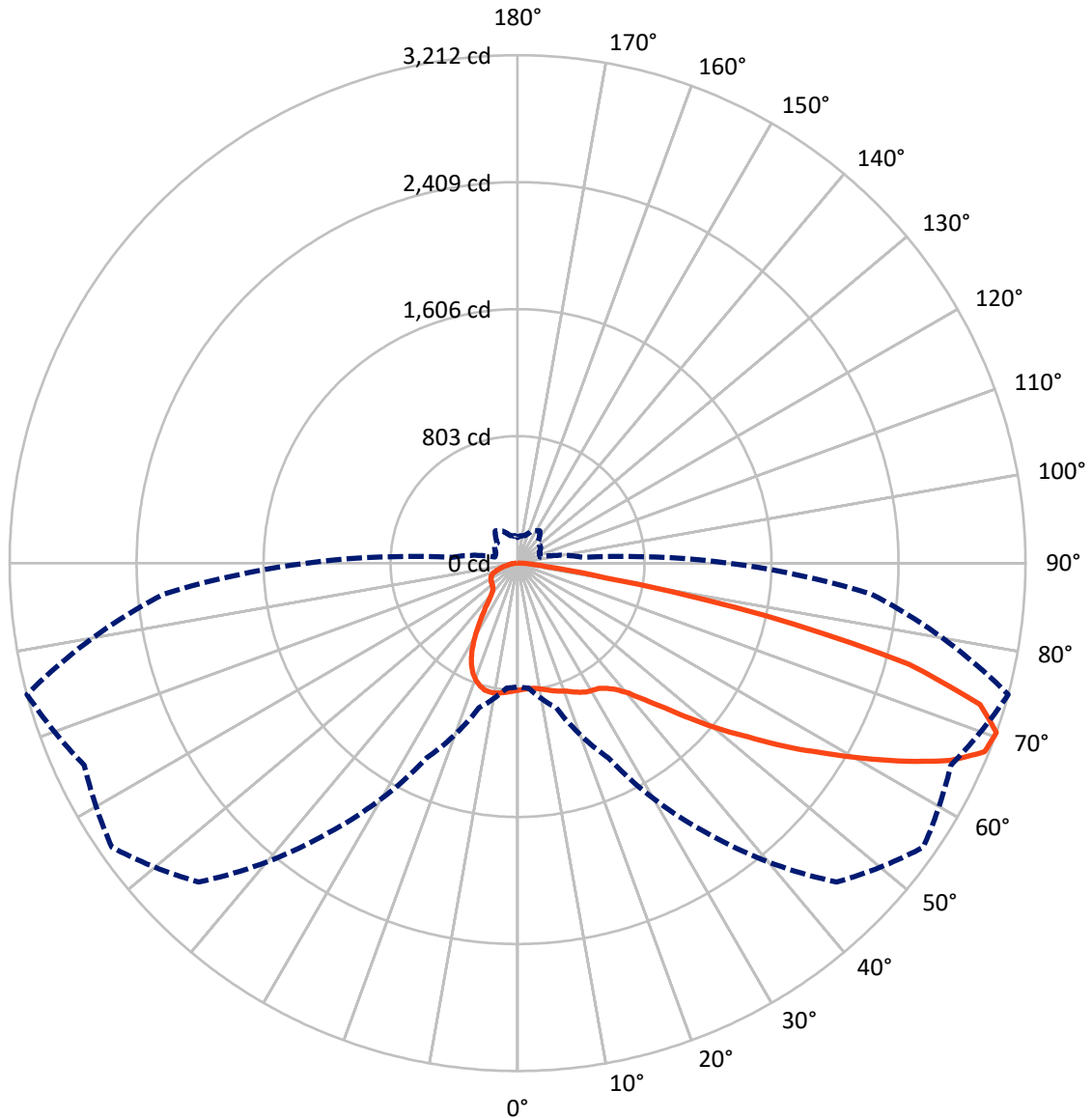
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P672337  
CATALOG NUMBER: CCP-SA-2A-850-U-T3R

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P672337

CATALOG NUMBER: CCP-SA-2A-850-U-T3R

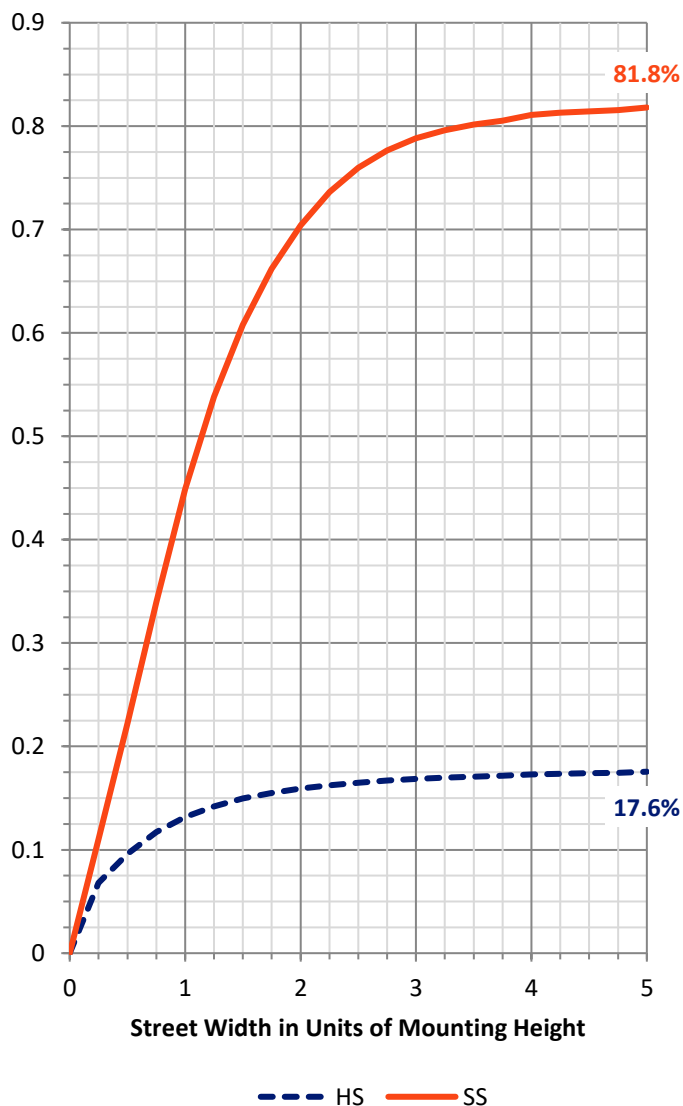
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	863.4	0.0	863.4
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	3989.4	0.0	3989.4
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	4852.7	0.0	4852.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.2	1.5
10°-20°	192.7	4.0
20°-30°	324.7	6.7
30°-40°	493.1	10.2
40°-50°	706.5	14.6
50°-60°	936.7	19.3
60°-70°	1172.2	24.2
70°-80°	856.0	17.6
80°-90°	98.7	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°	4852.7	100.0
0°-180°	4852.7	100.0



REPORT NUMBER: P672337

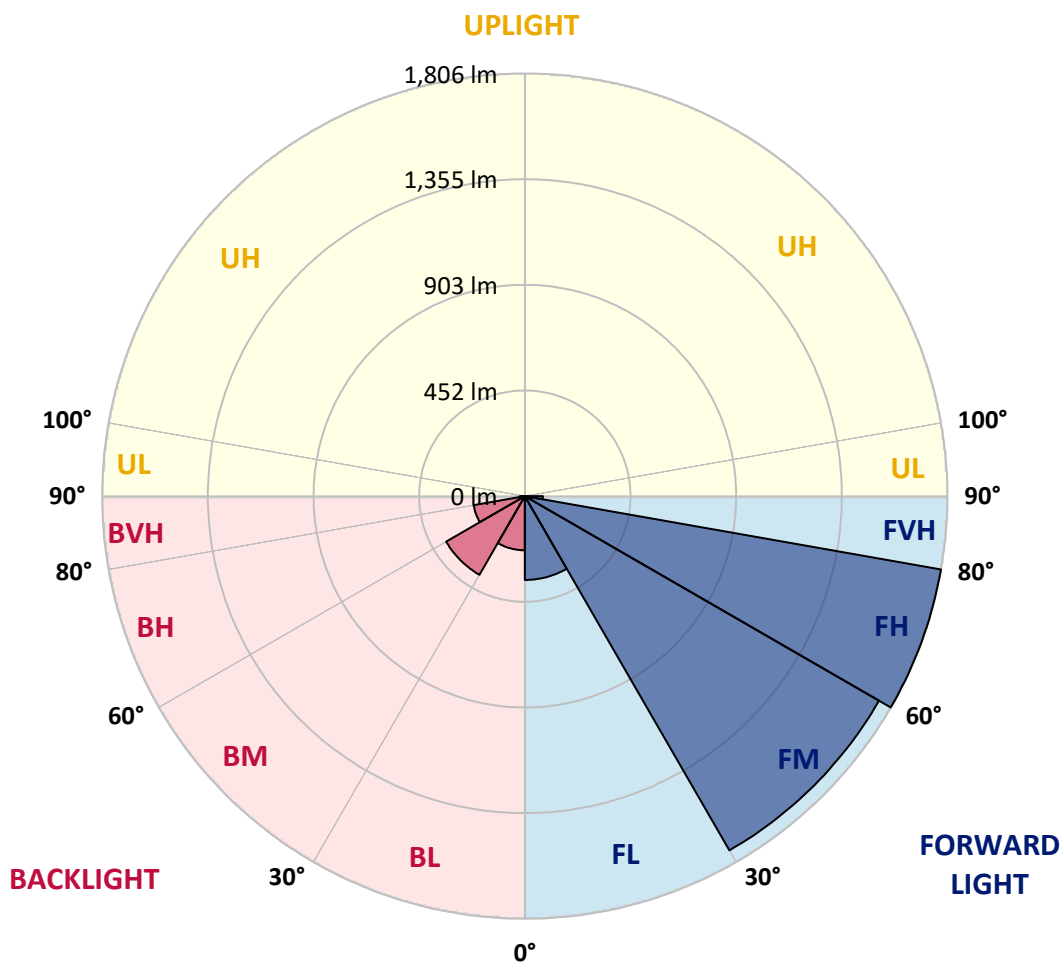
CATALOG NUMBER: CCP-SA-2A-850-U-T3R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.2	7.4			
FM (30°-60°)	1748.1	36.0			
FH (60°-80°)	1806.1	37.2			G2/5000
FVH (80°-90°)	77.0	1.6			G1/100
BL (0°-30°)	231.4	4.8	B1/500		
BM (30°-60°)	388.2	8.0	B1/1000		
BH (60°-80°)	222.1	4.6	B1/500		G1/500
BVH (80°-90°)	21.7	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-G2**

Type IV Medium





REPORT NUMBER: P672337

CATALOG NUMBER: CCP-SA-2A-850-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	803.8	803.8	803.8	803.8	803.8	803.8	803.8	803.8	803.8	803.8	803.8
2.5°	759.8	764.0	767.9	771.7	774.8	783.2	785.0	794.1	796.5	798.6	801.4
5°	717.2	720.4	724.2	730.5	737.1	752.2	762.6	782.5	793.7	797.2	807.0
7.5°	694.2	695.2	700.5	705.7	713.4	728.1	742.4	773.5	795.8	799.6	820.6
10°	677.4	678.8	683.7	691.0	698.7	712.3	730.2	767.2	803.5	809.4	839.1
12.5°	671.5	670.8	676.4	681.3	692.1	709.2	727.7	767.5	814.0	822.3	866.0
15°	695.2	690.7	694.2	692.4	695.9	712.7	734.7	775.2	826.9	837.4	893.9
17.5°	747.6	743.8	741.3	726.3	716.5	726.0	746.9	786.0	840.5	851.7	919.1
20°	825.8	815.0	805.9	780.8	753.5	750.4	765.1	796.8	853.4	864.2	945.6
22.5°	914.9	906.1	891.5	847.5	805.2	784.3	788.1	816.8	872.3	884.1	976.0
25°	1027.3	1027.0	996.9	937.6	873.7	831.4	823.4	848.5	893.6	905.1	1001.1
27.5°	1155.5	1146.7	1111.1	1034.6	954.3	889.7	870.9	881.0	910.7	922.6	1021.4
30°	1265.1	1266.2	1229.8	1146.4	1040.2	946.6	911.0	904.4	921.9	933.7	1040.2
32.5°	1382.4	1376.5	1343.3	1257.4	1133.1	1007.8	936.9	921.2	933.4	944.6	1066.4
35°	1492.8	1486.1	1457.5	1365.0	1235.4	1075.1	971.8	947.3	960.6	972.8	1098.5
37.5°	1597.9	1598.9	1566.5	1478.1	1334.6	1154.8	1023.5	986.8	1001.1	1014.7	1147.4
40°	1689.7	1684.5	1659.3	1579.7	1437.6	1235.8	1081.8	1040.6	1068.5	1081.1	1209.2
42.5°	1719.1	1718.7	1728.5	1679.6	1545.9	1332.2	1154.4	1124.4	1163.8	1182.7	1285.0
45°	1693.6	1701.2	1757.8	1756.4	1654.1	1442.8	1253.6	1226.3	1283.3	1304.6	1377.5
47.5°	1668.4	1679.9	1756.8	1800.4	1751.2	1564.7	1375.5	1355.2	1436.9	1467.6	1473.6
50°	1631.8	1642.6	1734.1	1806.7	1810.5	1688.0	1533.3	1507.8	1612.9	1644.3	1578.0
52.5°	1590.9	1599.3	1693.9	1802.2	1838.8	1784.4	1688.0	1680.6	1801.5	1827.0	1684.1
55°	1365.3	1400.9	1634.9	1792.4	1858.4	1858.0	1838.5	1862.6	2007.1	2045.2	1802.5
57.5°	1235.8	1254.6	1468.7	1786.8	1895.0	1926.1	1993.9	2045.5	2226.8	2261.0	1933.1
60°	1193.5	1210.3	1385.2	1780.2	1968.0	2032.6	2145.8	2229.6	2462.8	2504.7	2079.1
62.5°	1155.1	1175.4	1351.4	1727.4	2056.4	2201.3	2327.0	2428.6	2711.8	2761.4	2224.3
65°	1076.9	1091.2	1289.2	1683.1	2140.2	2441.9	2588.5	2647.9	2953.1	3009.0	2320.7
67.5°	941.8	955.4	1149.2	1581.1	2194.6	2692.2	2874.5	2874.9	3139.5	3185.3	2341.0
70°	782.9	793.4	947.3	1359.0	2081.2	2852.9	3132.6	3023.3	3192.3	3212.2	2244.6
72.5°	559.7	568.8	693.8	1004.6	1706.5	2722.6	3191.2	3017.0	3064.5	3058.2	1970.5
75°	345.0	362.5	425.0	613.2	1060.5	2142.3	2872.1	2733.8	2573.2	2555.7	1483.7
77.5°	224.9	234.0	287.4	361.8	467.9	1229.8	2181.4	2049.7	1624.8	1604.5	797.5
80°	135.1	150.2	188.2	227.3	212.0	470.4	1245.6	1018.2	574.1	567.8	245.1
82.5°	72.6	86.2	132.7	140.7	119.1	166.2	451.2	331.0	183.7	181.6	91.8
85°	57.6	64.3	95.3	89.0	67.4	84.2	176.0	137.9	94.3	92.2	34.6
87.5°	34.9	44.0	72.3	60.1	33.5	30.4	80.7	65.3	44.3	41.2	13.6
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: P672337

CATALOG NUMBER: CCP-SA-2A-850-U-T3R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	803.8	803.8	803.8	803.8	803.8	803.8	803.8	803.8	803.8	803.8	803.8
2.5°	806.6	808.4	810.1	806.6	808.0	806.3	806.3	806.3	801.7	800.3	804.5
5°	814.3	816.8	818.1	807.3	800.7	790.9	782.9	770.7	763.7	759.1	759.1
7.5°	830.0	832.8	826.5	802.4	779.0	752.8	726.0	703.6	687.6	680.6	682.7
10°	853.1	854.1	833.2	788.8	738.9	690.3	652.3	622.6	602.7	592.6	591.2
12.5°	880.0	875.4	834.6	758.8	684.8	619.5	573.0	534.6	509.1	499.3	494.5
15°	906.5	895.7	829.3	722.8	623.3	544.7	485.4	449.1	433.3	428.8	427.1
17.5°	930.2	910.0	811.9	671.1	552.1	457.4	413.8	400.9	402.6	406.8	408.5
20°	951.9	920.8	786.7	609.7	463.0	389.3	378.5	390.4	400.2	406.5	407.5
22.5°	975.6	931.3	751.8	535.0	390.0	357.9	370.8	384.5	394.2	400.5	401.6
25°	993.8	930.9	702.6	446.3	344.0	349.5	364.9	377.1	384.5	389.0	388.6
27.5°	1005.3	922.6	638.0	373.3	325.8	343.6	358.3	366.3	370.5	374.0	373.6
30°	1008.8	906.5	556.6	319.5	317.4	338.0	349.2	354.1	357.2	360.7	360.7
32.5°	1015.8	881.7	466.9	289.5	311.1	332.4	339.1	342.9	340.5	331.7	330.0
35°	1023.5	854.1	382.0	275.5	305.2	328.6	334.9	324.7	298.2	294.7	293.3
37.5°	1038.5	828.6	310.1	265.7	303.8	330.7	335.9	295.4	273.1	262.2	260.5
40°	1064.0	803.1	261.9	258.7	305.5	339.8	322.0	281.4	244.4	223.8	220.3
42.5°	1097.5	772.1	234.7	255.3	310.4	354.4	317.1	261.5	221.0	207.1	205.0
45°	1136.3	730.9	221.7	254.6	316.4	361.8	318.5	245.5	210.6	199.7	199.0
47.5°	1176.4	690.3	216.1	253.9	323.7	358.6	299.3	240.6	206.4	203.2	205.3
50°	1219.7	644.3	211.6	252.1	329.6	358.6	288.8	239.5	207.8	214.8	221.7
52.5°	1260.2	605.5	206.4	246.9	332.1	352.3	285.6	243.4	209.9	208.1	210.2
55°	1309.5	585.6	203.6	239.5	327.5	333.1	281.8	253.9	211.6	197.3	197.3
57.5°	1365.7	581.4	199.4	229.8	312.9	306.6	281.4	260.1	207.1	193.8	191.4
60°	1433.4	590.5	194.1	217.5	295.1	286.0	279.0	260.1	199.7	187.9	188.9
62.5°	1488.2	589.4	191.0	206.7	271.3	264.7	274.5	256.7	196.9	187.2	186.8
65°	1501.2	567.1	181.9	192.8	242.0	238.8	269.6	247.9	193.1	183.3	180.5
67.5°	1457.5	516.4	168.3	174.2	210.9	211.3	260.8	236.4	187.9	181.2	176.7
70°	1333.5	417.6	148.1	151.9	177.4	181.9	247.9	222.8	179.1	172.1	161.3
72.5°	1116.0	300.3	124.7	125.7	141.1	152.9	225.6	204.3	166.2	149.8	138.3
75°	826.2	199.4	101.6	100.2	105.8	124.3	192.8	183.7	149.5	124.3	118.4
77.5°	436.8	118.0	78.2	78.6	75.1	95.3	152.9	159.6	132.7	104.8	98.8
80°	149.5	70.9	56.2	58.7	53.1	68.1	113.5	132.7	113.5	87.3	77.2
82.5°	68.4	43.3	40.2	41.9	38.1	46.1	77.9	100.6	90.4	63.6	51.3
85°	34.6	25.8	25.8	28.3	25.1	23.7	43.0	66.7	66.3	43.6	37.7
87.5°	14.3	12.6	11.9	13.6	11.9	9.1	12.2	24.1	34.9	26.2	16.8
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)