

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: P672300

Luminaire Tested: **CCP-SA-1C-830-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672300  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-830-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens  
Light Source: (16) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

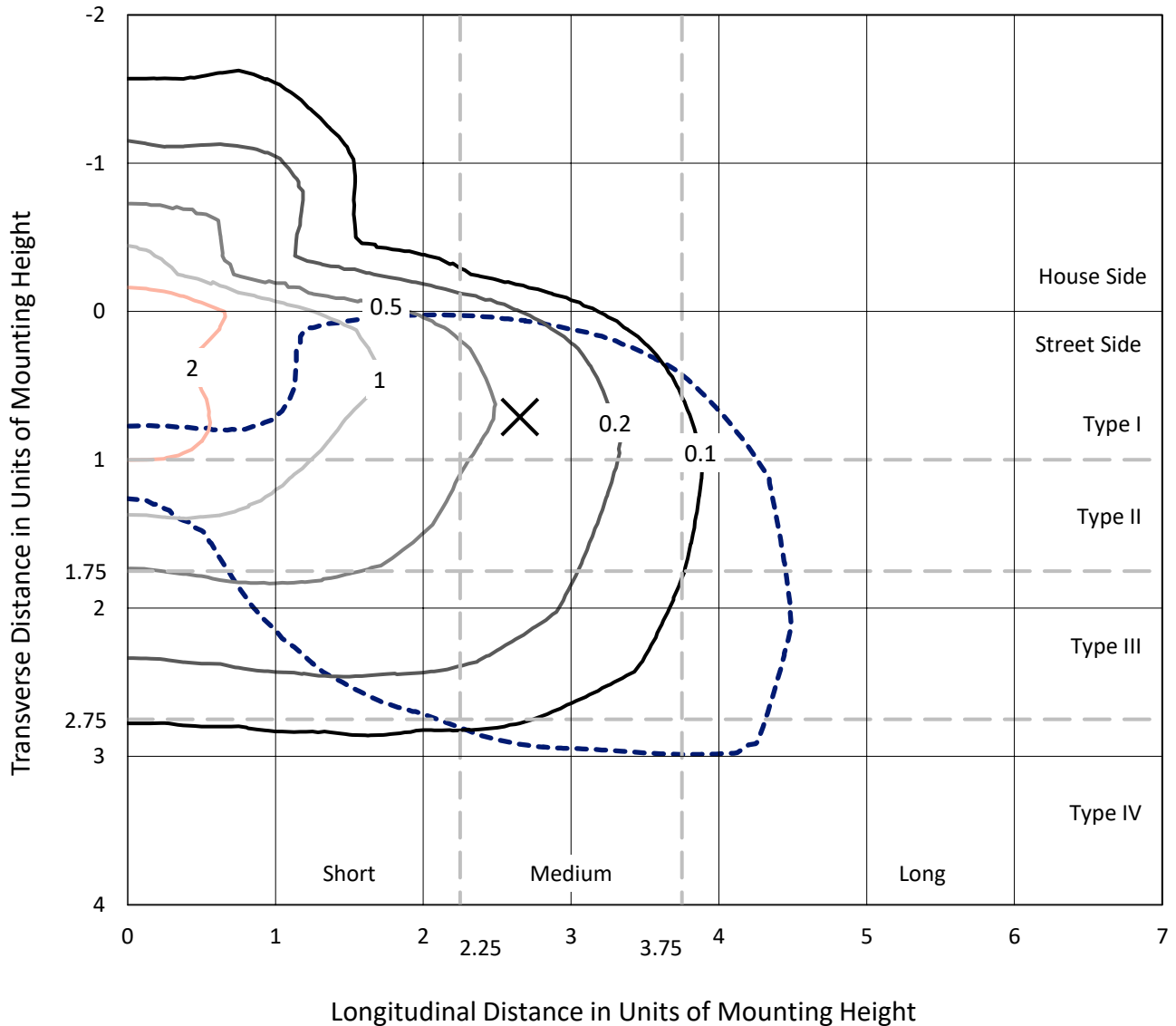
Lumens per Lamp: N/A  
Luminaire Lumens: 3651.4 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

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### Iso-Footcandle Lines of Horizontal Illumination

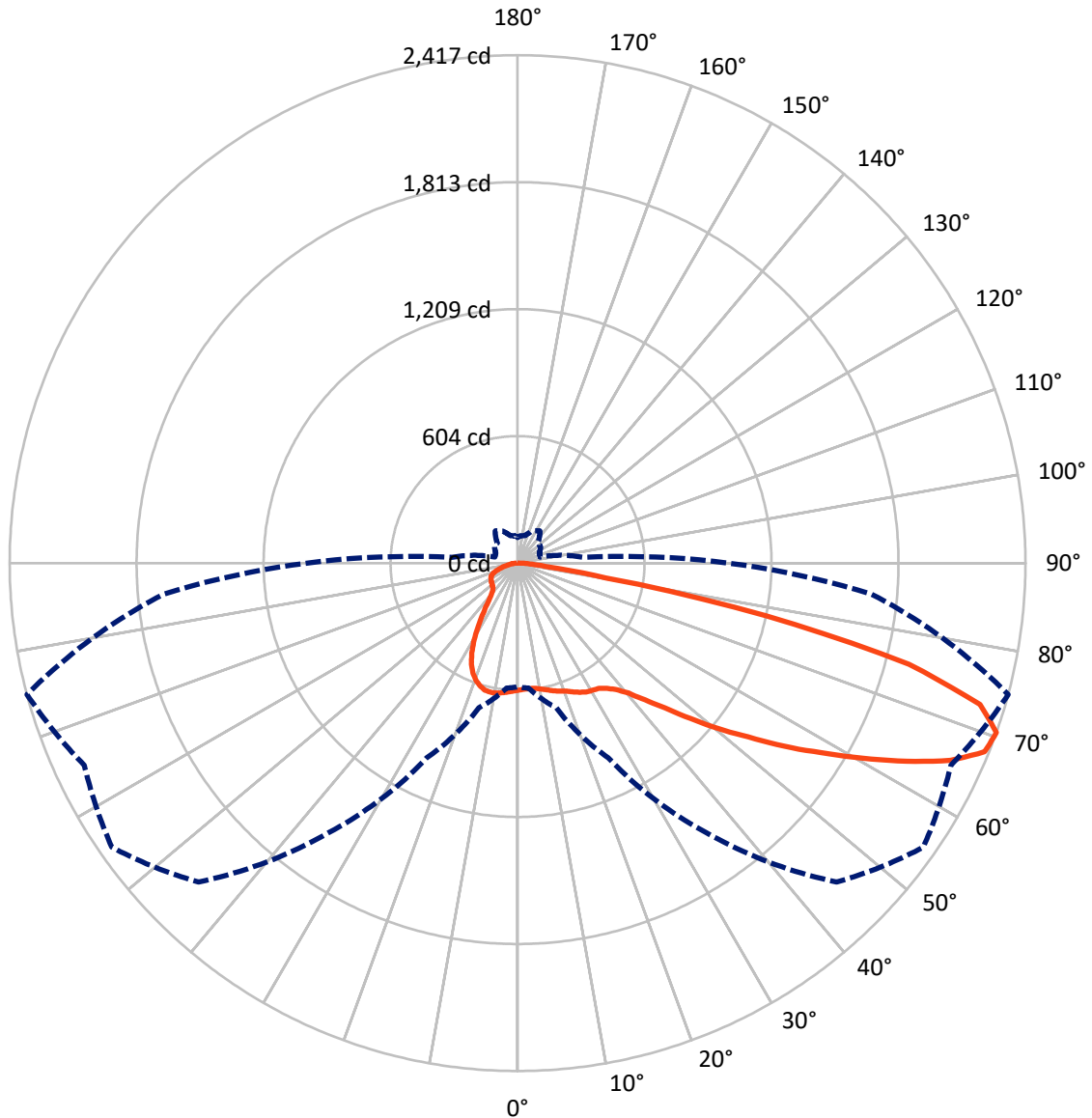
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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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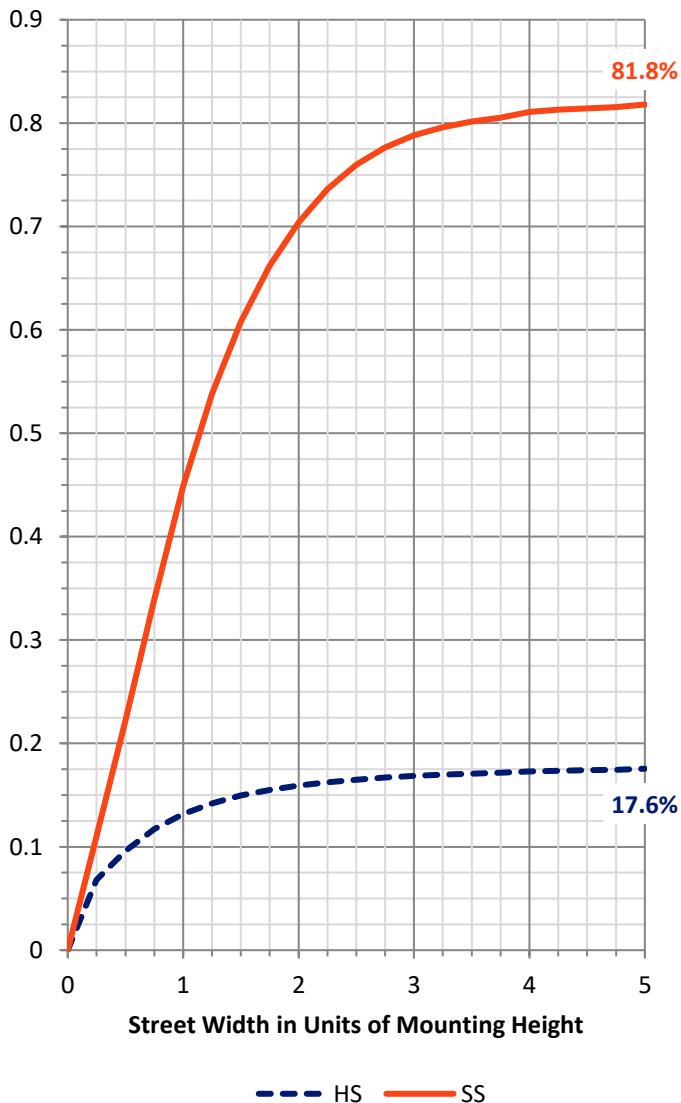
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	649.6	0.0	649.6
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	3001.8	0.0	3001.8
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	3651.4	0.0	3651.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.3	1.5
10°-20°	145.0	4.0
20°-30°	244.3	6.7
30°-40°	371.1	10.2
40°-50°	531.6	14.6
50°-60°	704.8	19.3
60°-70°	882.0	24.2
70°-80°	644.1	17.6
80°-90°	74.3	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°	3651.4	100.0
0°-180°	3651.4	100.0



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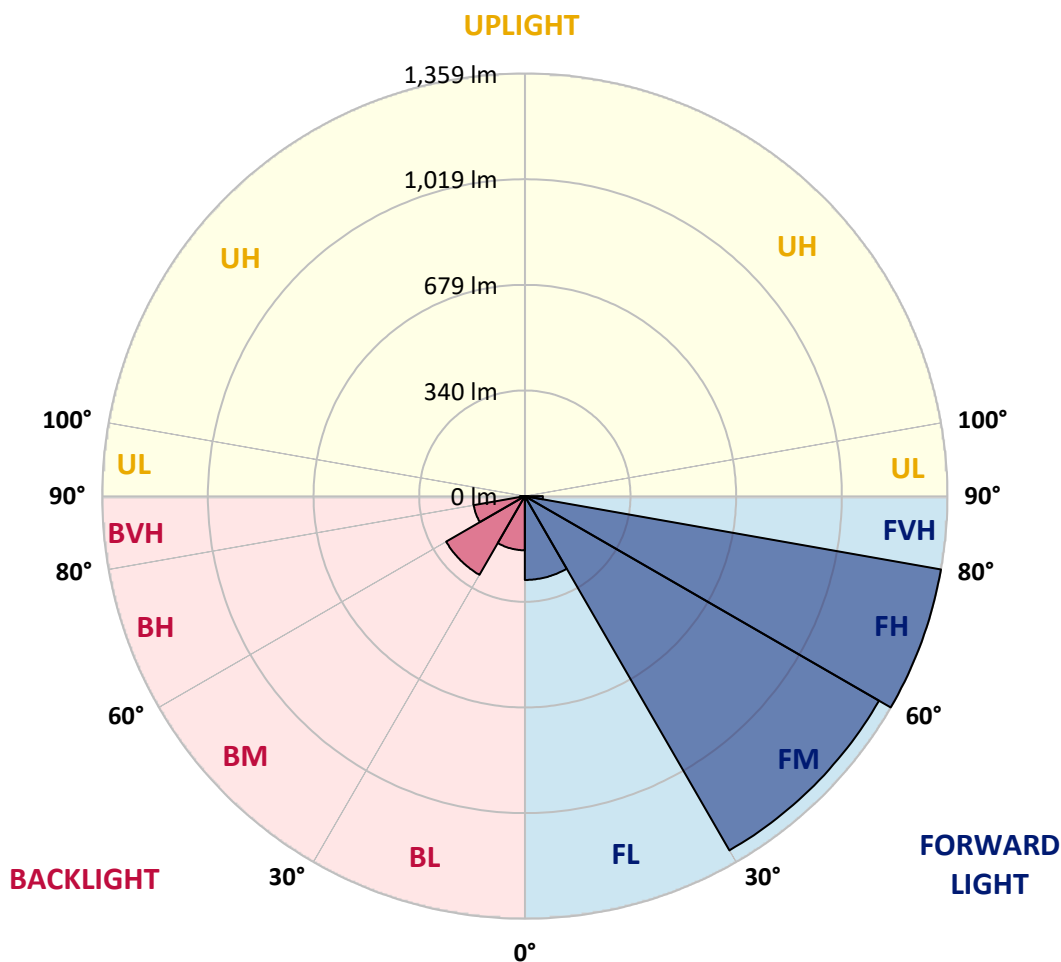
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.5	7.4			
FM (30°-60°)	1315.4	36.0			
FH (60°-80°)	1359.0	37.2			G1/1800
FVH (80°-90°)	58.0	1.6			G1/100
BL (0°-30°)	174.1	4.8	B1/500		
BM (30°-60°)	292.1	8.0	B1/1000		
BH (60°-80°)	167.1	4.6	B1/500		G1/500
BVH (80°-90°)	16.3	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°	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8
2.5°	571.7	574.9	577.8	580.7	583.0	589.3	590.7	597.5	599.3	600.9	603.0
5°	539.7	542.0	544.9	549.7	554.7	566.0	573.8	588.8	597.2	599.8	607.2
7.5°	522.3	523.1	527.1	531.0	536.8	547.8	558.6	582.0	598.8	601.7	617.5
10°	509.7	510.8	514.5	520.0	525.8	536.0	549.4	577.3	604.6	609.0	631.4
12.5°	505.3	504.7	508.9	512.6	520.8	533.6	547.6	577.5	612.5	618.8	651.6
15°	523.1	519.7	522.3	521.0	523.7	536.3	552.8	583.3	622.2	630.1	672.6
17.5°	562.5	559.6	557.8	546.5	539.2	546.2	562.0	591.4	632.4	640.8	691.5
20°	621.4	613.2	606.4	587.5	567.0	564.6	575.7	599.6	642.2	650.3	711.5
22.5°	688.4	681.8	670.8	637.7	605.9	590.1	593.0	614.6	656.3	665.3	734.4
25°	773.0	772.7	750.1	705.5	657.4	625.6	619.6	638.5	672.4	681.0	753.3
27.5°	869.4	862.9	836.1	778.5	718.1	669.5	655.3	662.9	685.2	694.2	768.5
30°	951.9	952.7	925.4	862.6	782.7	712.3	685.5	680.5	693.6	702.6	782.7
32.5°	1040.2	1035.7	1010.8	946.1	852.6	758.3	704.9	693.1	702.3	710.7	802.4
35°	1123.2	1118.2	1096.7	1027.1	929.6	809.0	731.2	712.8	722.8	732.0	826.6
37.5°	1202.3	1203.1	1178.7	1112.2	1004.2	868.9	770.1	742.5	753.3	763.5	863.4
40°	1271.4	1267.5	1248.6	1188.7	1081.7	929.9	814.0	783.0	804.0	813.5	909.9
42.5°	1293.5	1293.2	1300.6	1263.8	1163.2	1002.4	868.6	846.0	875.7	889.9	966.9
45°	1274.3	1280.1	1322.7	1321.6	1244.6	1085.7	943.3	922.8	965.6	981.6	1036.5
47.5°	1255.4	1264.1	1321.9	1354.7	1317.7	1177.4	1035.0	1019.7	1081.2	1104.3	1108.8
50°	1227.8	1236.0	1304.8	1359.4	1362.3	1270.1	1153.7	1134.5	1213.6	1237.3	1187.3
52.5°	1197.1	1203.4	1274.6	1356.0	1383.6	1342.6	1270.1	1264.6	1355.5	1374.7	1267.2
55°	1027.3	1054.1	1230.2	1348.7	1398.3	1398.1	1383.4	1401.5	1510.3	1538.9	1356.3
57.5°	929.9	944.0	1105.1	1344.5	1425.9	1449.3	1500.3	1539.2	1675.5	1701.3	1454.6
60°	898.1	910.7	1042.3	1339.5	1480.8	1529.4	1614.6	1677.6	1853.1	1884.7	1564.4
62.5°	869.2	884.4	1016.8	1299.8	1547.3	1656.3	1750.9	1827.4	2040.5	2077.8	1673.7
65°	810.3	821.1	970.1	1266.4	1610.4	1837.4	1947.7	1992.4	2222.0	2264.1	1746.2
67.5°	708.6	718.9	864.7	1189.7	1651.4	2025.8	2162.9	2163.2	2362.3	2396.8	1761.4
70°	589.1	597.0	712.8	1022.6	1566.0	2146.6	2357.1	2274.9	2402.0	2417.0	1688.9
72.5°	421.2	428.0	522.1	755.9	1284.0	2048.6	2401.2	2270.1	2305.9	2301.1	1482.7
75°	259.6	272.7	319.8	461.4	798.0	1611.9	2161.1	2057.0	1936.2	1923.0	1116.4
77.5°	169.2	176.0	216.2	272.2	352.1	925.4	1641.4	1542.3	1222.6	1207.3	600.1
80°	101.7	113.0	141.6	171.0	159.5	353.9	937.2	766.2	432.0	427.2	184.4
82.5°	54.7	64.9	99.8	105.9	89.6	125.1	339.5	249.1	138.2	136.6	69.1
85°	43.4	48.3	71.7	67.0	50.7	63.3	132.4	103.8	70.9	69.4	26.0
87.5°	26.3	33.1	54.4	45.2	25.2	22.9	60.7	49.1	33.4	31.0	10.2
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°	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8
2.5°	606.9	608.3	609.6	606.9	608.0	606.7	606.7	606.7	603.3	602.2	605.4
5°	612.7	614.6	615.6	607.5	602.5	595.1	589.1	579.9	574.6	571.2	571.2
7.5°	624.5	626.6	621.9	603.8	586.2	566.5	546.2	529.4	517.3	512.1	513.7
10°	641.9	642.7	626.9	593.5	556.0	519.4	490.8	468.5	453.5	445.9	444.8
12.5°	662.1	658.7	628.0	570.9	515.2	466.1	431.2	402.3	383.1	375.7	372.0
15°	682.1	673.9	624.0	543.9	469.0	409.9	365.2	337.9	326.1	322.7	321.3
17.5°	700.0	684.7	610.9	505.0	415.4	344.2	311.4	301.6	302.9	306.1	307.4
20°	716.2	692.9	592.0	458.8	348.4	293.0	284.8	293.7	301.1	305.8	306.6
22.5°	734.1	700.7	565.7	402.5	293.5	269.3	279.0	289.3	296.6	301.4	302.2
25°	747.8	700.5	528.6	335.8	258.8	263.0	274.6	283.8	289.3	292.7	292.4
27.5°	756.4	694.2	480.0	280.9	245.1	258.5	269.6	275.6	278.8	281.4	281.1
30°	759.1	682.1	418.8	240.4	238.8	254.3	262.7	266.4	268.8	271.4	271.4
32.5°	764.3	663.4	351.3	217.8	234.1	250.1	255.1	258.0	256.2	249.6	248.3
35°	770.1	642.7	287.4	207.3	229.6	247.2	252.0	244.4	224.4	221.8	220.7
37.5°	781.4	623.5	233.3	199.9	228.6	248.8	252.8	222.3	205.5	197.3	196.0
40°	800.6	604.3	197.1	194.7	229.9	255.7	242.3	211.8	183.9	168.4	165.8
42.5°	825.8	580.9	176.6	192.1	233.6	266.7	238.6	196.8	166.3	155.8	154.2
45°	855.0	549.9	166.8	191.5	238.0	272.2	239.6	184.7	158.4	150.3	149.8
47.5°	885.2	519.4	162.6	191.0	243.6	269.8	225.2	181.0	155.3	152.9	154.5
50°	917.8	484.8	159.2	189.7	248.0	269.8	217.3	180.2	156.3	161.6	166.8
52.5°	948.2	455.6	155.3	185.8	249.9	265.1	214.9	183.1	157.9	156.6	158.2
55°	985.3	440.6	153.2	180.2	246.5	250.7	212.0	191.0	159.2	148.5	148.5
57.5°	1027.6	437.5	150.0	172.9	235.4	230.7	211.8	195.7	155.8	145.8	144.0
60°	1078.6	444.3	146.1	163.7	222.0	215.2	209.9	195.7	150.3	141.4	142.1
62.5°	1119.8	443.5	143.7	155.5	204.2	199.2	206.5	193.1	148.2	140.8	140.6
65°	1129.5	426.7	136.9	145.0	182.1	179.7	202.8	186.5	145.3	137.9	135.8
67.5°	1096.7	388.6	126.6	131.1	158.7	159.0	196.3	177.9	141.4	136.4	132.9
70°	1003.4	314.2	111.4	114.3	133.5	136.9	186.5	167.6	134.8	129.5	121.4
72.5°	839.7	226.0	93.8	94.6	106.1	115.1	169.7	153.7	125.1	112.7	104.0
75°	621.7	150.0	76.5	75.4	79.6	93.5	145.0	138.2	112.5	93.5	89.1
77.5°	328.7	88.8	58.9	59.1	56.5	71.7	115.1	120.1	99.8	78.8	74.4
80°	112.5	53.3	42.3	44.1	39.9	51.2	85.4	99.8	85.4	65.7	58.1
82.5°	51.5	32.6	30.2	31.5	28.6	34.7	58.6	75.7	68.1	47.8	38.6
85°	26.0	19.4	19.4	21.3	18.9	17.9	32.3	50.2	49.9	32.8	28.4
87.5°	10.8	9.5	8.9	10.2	8.9	6.8	9.2	18.1	26.3	19.7	12.6
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)