

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: P674781

Luminaire Tested: **CCP-SA-1C-850-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674781  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-850-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

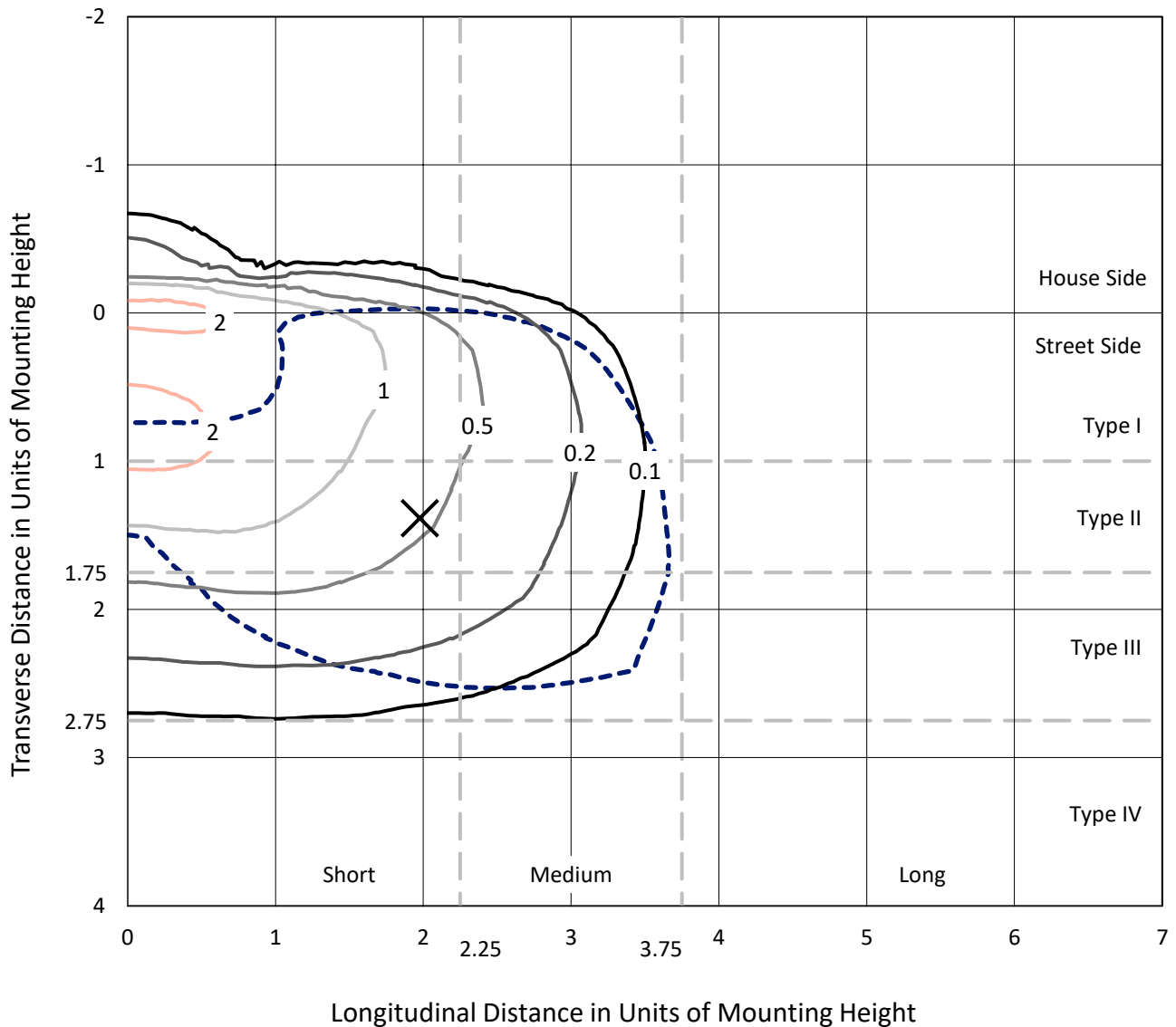
Lumens per Lamp: N/A  
Luminaire Lumens: 3129 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

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

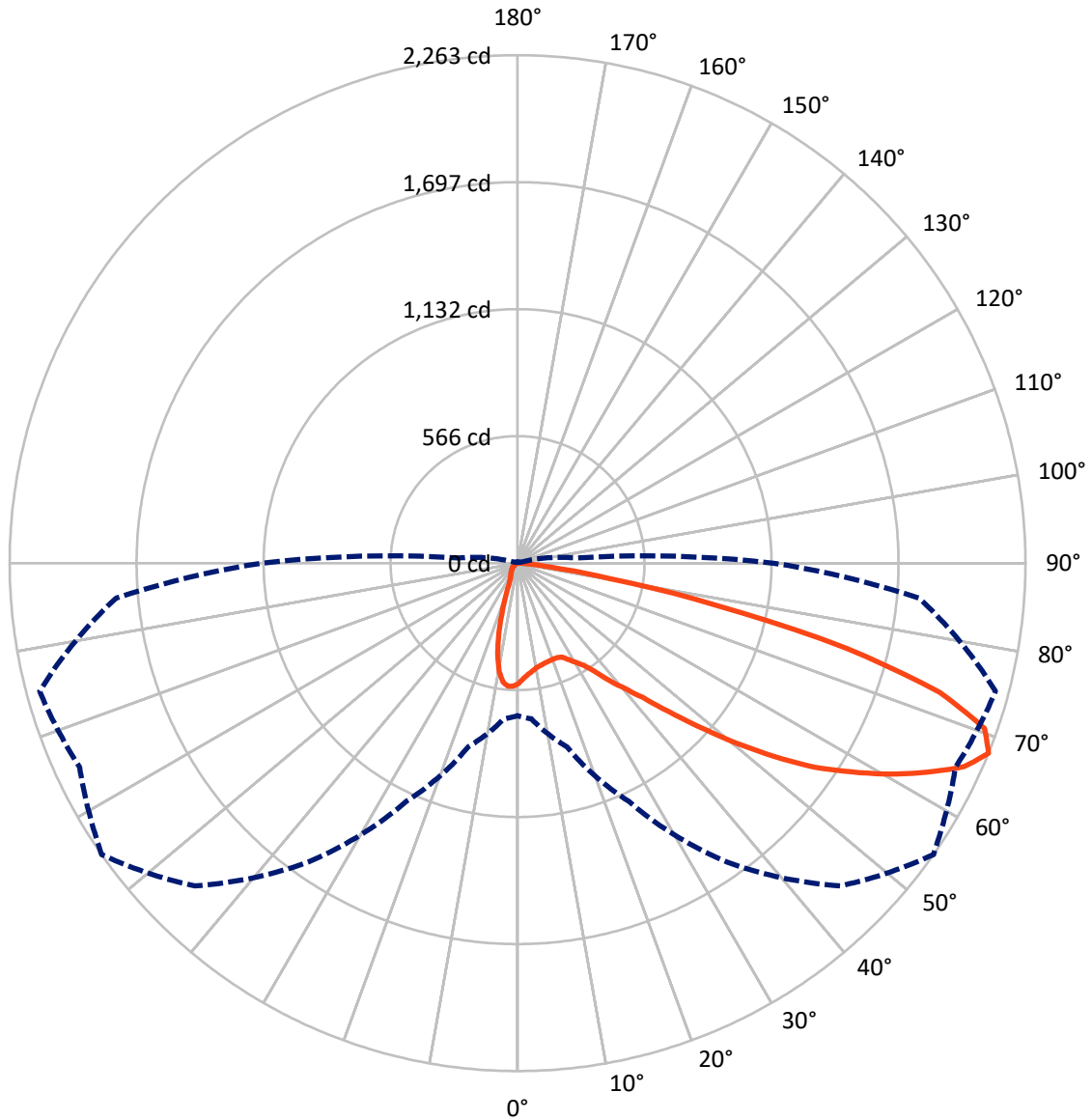
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 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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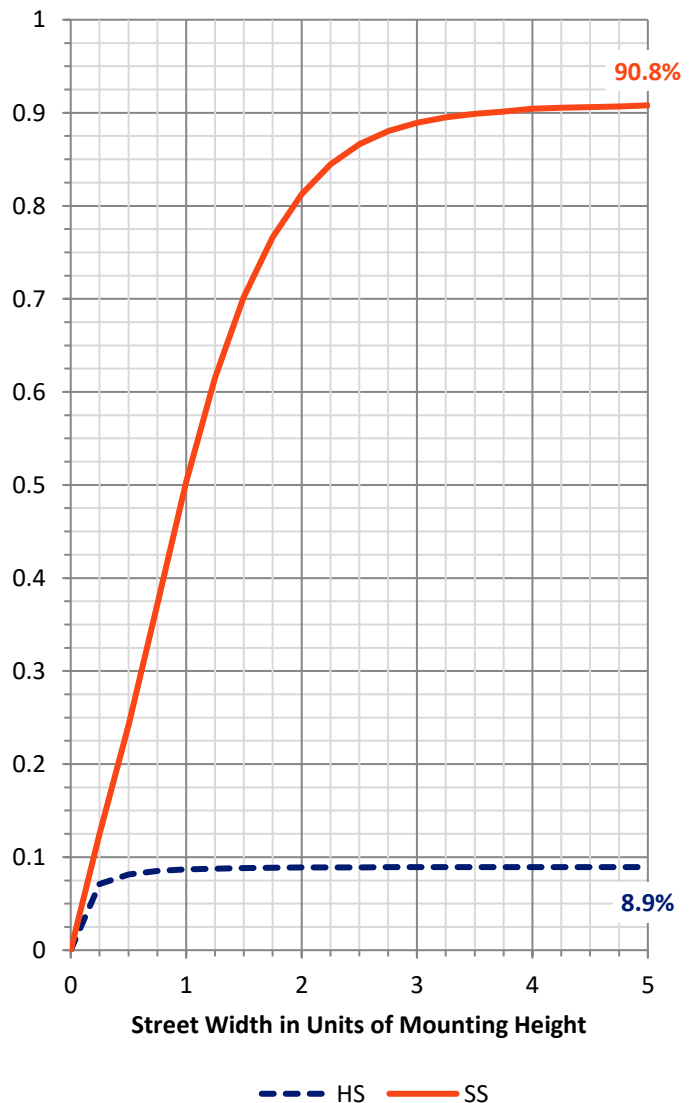
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	281.1	0.0	281.1
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	2847.9	0.0	2847.9
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	3129.0	0.0	3129.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.1	1.5
10°-20°	107.1	3.4
20°-30°	171.9	5.5
30°-40°	298.2	9.5
40°-50°	497.1	15.9
50°-60°	727.0	23.2
60°-70°	847.7	27.1
70°-80°	411.4	13.1
80°-90°	21.5	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°	3129.0	100.0
0°-180°	3129.0	100.0



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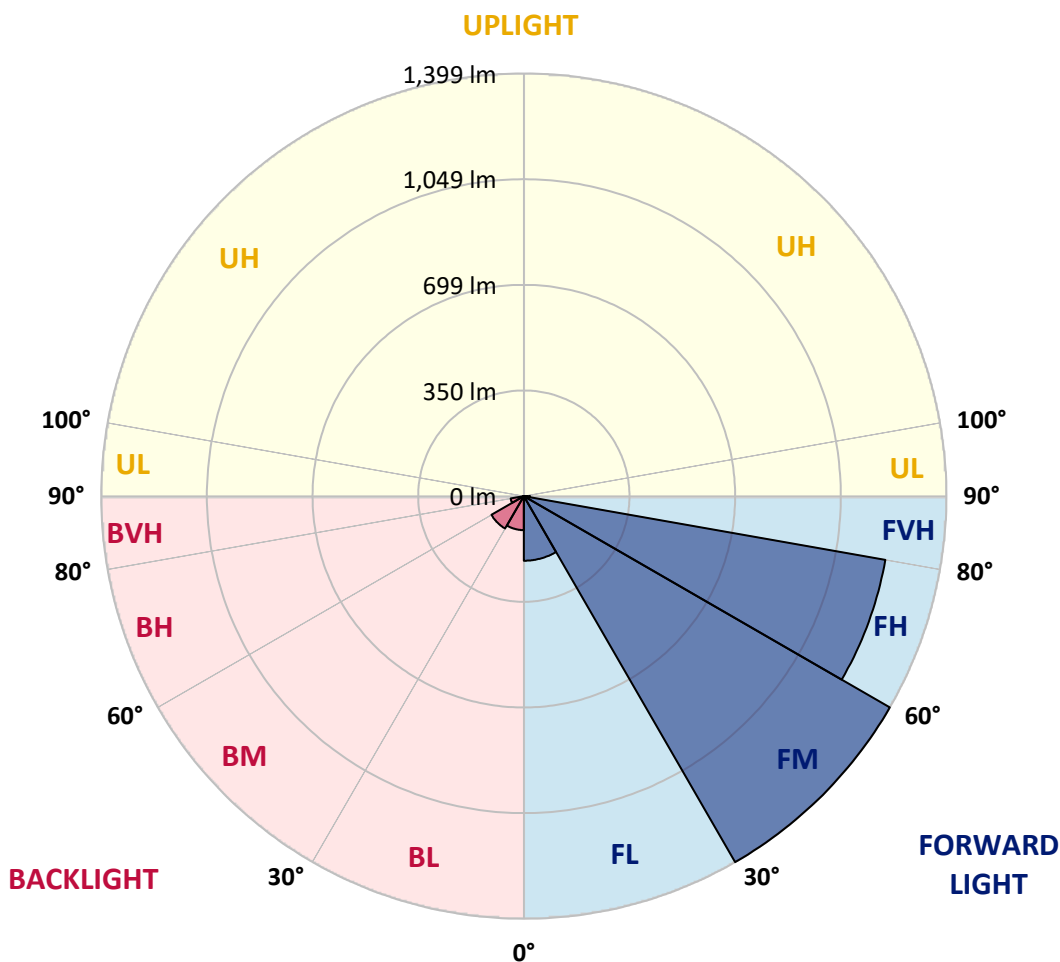
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.7	6.8			
FM (30°-60°)	1398.5	44.7			
FH (60°-80°)	1214.7	38.8			G1/1800
FVH (80°-90°)	20.9	0.7			G1/100
BL (0°-30°)	112.4	3.6	B1/500		
BM (30°-60°)	123.7	4.0	B0/220		
BH (60°-80°)	44.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2
2.5°	495.0	498.2	502.2	503.6	508.5	515.5	513.4	512.0	519.8	530.4	533.9
5°	464.1	464.4	470.8	475.4	483.7	490.4	497.6	497.0	511.1	529.3	540.8
7.5°	433.9	434.4	441.1	448.3	460.4	473.4	484.3	483.7	506.5	530.7	552.6
10°	394.1	397.0	405.0	417.7	436.8	457.2	472.5	473.9	501.3	536.2	568.8
12.5°	362.1	363.5	372.5	388.9	411.4	438.2	466.7	465.9	502.5	546.3	589.8
15°	348.5	347.7	353.2	365.3	390.9	424.6	461.0	463.0	506.5	557.8	611.7
17.5°	351.7	350.8	353.7	358.1	376.2	413.4	457.8	461.3	512.9	569.9	632.2
20°	386.9	380.8	375.6	371.0	373.6	404.2	455.8	459.5	516.6	579.2	653.8
22.5°	454.6	447.1	433.3	407.6	390.6	404.8	456.4	461.3	525.0	594.2	680.1
25°	565.0	557.8	528.1	475.7	430.7	425.5	464.1	469.3	544.3	616.9	708.0
27.5°	711.2	695.1	659.0	583.8	497.0	458.7	487.5	493.3	571.7	634.5	727.1
30°	832.6	828.8	794.2	702.0	588.4	507.4	513.7	516.9	584.1	645.2	746.1
32.5°	958.6	950.8	919.1	829.4	694.5	576.9	543.1	544.6	600.2	661.0	773.8
35°	1068.1	1060.9	1034.4	947.3	818.4	670.3	591.9	588.7	633.7	695.9	811.2
37.5°	1169.6	1168.7	1145.4	1056.6	929.7	767.1	663.6	661.0	685.8	734.3	862.0
40°	1268.7	1266.4	1246.5	1165.5	1039.3	863.7	732.0	725.3	730.2	787.9	928.9
42.5°	1329.6	1334.5	1341.4	1290.1	1169.3	977.0	818.4	814.4	813.5	871.8	1016.8
45°	1362.4	1371.1	1411.7	1407.1	1307.1	1118.0	941.5	931.2	927.7	987.1	1117.4
47.5°	1394.4	1398.2	1464.8	1492.7	1439.1	1265.0	1090.3	1075.9	1061.8	1127.8	1237.6
50°	1396.5	1402.5	1485.0	1553.0	1549.8	1409.7	1257.2	1244.5	1228.4	1299.0	1354.9
52.5°	1368.2	1380.3	1482.4	1591.1	1618.4	1537.4	1430.5	1420.1	1406.8	1459.6	1453.8
55°	1173.0	1193.5	1431.6	1594.5	1666.6	1647.0	1604.6	1590.2	1577.2	1614.7	1550.7
57.5°	1080.2	1091.7	1277.7	1591.9	1728.0	1748.5	1755.7	1749.0	1730.9	1777.6	1651.9
60°	1024.6	1041.3	1204.2	1563.1	1794.3	1863.2	1908.5	1895.2	1873.0	1937.3	1760.3
62.5°	958.0	970.1	1130.9	1480.1	1833.8	1979.9	2051.7	2039.6	1993.8	2084.6	1847.9
65°	835.2	853.3	1014.5	1349.5	1780.7	2065.6	2186.6	2182.6	2103.0	2195.9	1871.8
67.5°	679.8	696.2	846.4	1170.4	1625.6	2033.6	2263.0	2250.4	2152.6	2204.2	1796.0
70°	510.3	519.2	632.5	894.3	1331.9	1862.6	2207.7	2205.1	2077.4	2080.3	1563.4
72.5°	273.9	298.7	420.6	598.5	936.6	1508.6	1967.6	1957.2	1853.4	1703.8	1124.3
75°	95.7	102.9	224.0	336.1	508.8	1005.0	1512.9	1488.7	1386.1	1108.2	612.6
77.5°	58.8	64.6	99.5	171.8	198.1	436.2	909.0	877.5	811.2	479.1	209.3
80°	40.6	45.8	66.6	89.9	67.5	141.3	418.3	406.5	312.8	114.2	48.1
82.5°	22.8	27.4	50.5	44.1	27.1	36.6	145.0	134.3	83.3	30.8	16.1
85°	13.3	15.9	35.5	31.1	13.8	13.0	37.8	33.7	21.6	11.5	7.8
87.5°	6.9	8.9	25.9	20.8	8.4	4.6	8.6	8.4	5.5	4.0	5.2
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°	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2
2.5°	540.2	538.8	546.3	548.9	548.3	547.2	550.0	546.3	546.0	545.1	544.3
5°	550.0	552.4	558.4	558.4	550.3	537.1	529.0	518.1	508.8	503.3	502.5
7.5°	564.8	569.4	573.4	561.0	533.3	500.5	465.6	438.2	414.3	401.9	400.7
10°	585.5	589.8	586.7	551.2	491.8	423.8	367.0	309.9	281.4	265.8	265.8
12.5°	610.3	613.8	594.4	526.7	423.5	324.9	249.1	189.1	160.6	142.1	141.0
15°	637.1	638.0	593.3	484.0	339.0	218.2	143.0	104.9	92.8	90.2	89.7
17.5°	660.5	657.0	581.2	420.9	244.2	130.0	90.8	82.2	79.9	79.9	79.9
20°	682.4	670.8	557.0	347.4	156.5	88.5	78.1	75.8	75.8	76.1	76.1
22.5°	706.6	683.8	522.4	265.8	100.6	75.8	73.2	72.1	71.8	72.6	72.4
25°	735.1	696.5	472.8	183.6	77.8	70.6	69.5	68.3	68.3	68.3	68.3
27.5°	751.0	694.8	416.3	115.9	68.0	65.4	64.3	63.1	62.3	62.0	62.3
30°	764.8	684.7	342.5	81.0	61.4	58.5	57.7	56.2	54.5	53.9	53.9
32.5°	783.0	676.3	265.2	65.2	55.6	52.5	49.9	47.6	44.7	43.5	43.2
35°	803.2	661.0	194.3	57.4	50.5	46.4	42.4	38.6	34.9	33.7	33.4
37.5°	828.2	647.2	131.7	53.0	46.1	41.2	35.7	30.6	27.1	26.5	26.5
40°	862.3	635.7	91.1	49.3	42.1	36.3	29.7	24.2	21.9	21.3	21.3
42.5°	908.7	626.2	68.9	46.1	38.6	31.4	23.9	19.9	18.2	17.6	17.6
45°	963.5	611.5	58.2	43.2	35.2	26.5	19.9	16.7	15.9	15.9	15.9
47.5°	1026.3	593.0	53.0	40.4	31.4	21.6	16.7	15.3	15.0	15.0	15.3
50°	1089.7	571.1	49.3	36.9	27.1	18.5	15.3	14.4	14.4	14.7	14.7
52.5°	1132.7	536.8	45.5	33.2	22.8	16.1	14.4	14.1	13.8	13.8	13.8
55°	1174.5	506.8	40.4	29.1	19.0	15.0	13.8	13.5	13.5	13.3	13.3
57.5°	1218.0	483.2	33.7	24.2	16.1	14.1	13.3	13.3	12.7	12.4	12.4
60°	1268.5	462.4	25.9	19.0	14.1	13.3	12.4	12.1	11.5	11.0	11.0
62.5°	1283.2	418.6	19.6	15.3	12.1	11.5	11.2	10.7	9.2	8.1	8.4
65°	1244.8	349.7	15.6	12.1	9.8	9.8	8.9	7.5	6.1	5.2	5.2
67.5°	1139.0	261.2	12.7	9.5	7.8	7.5	6.3	5.5	3.7	3.2	3.2
70°	938.7	172.7	10.4	7.5	6.3	5.2	4.3	4.0	2.9	2.3	2.3
72.5°	657.9	93.7	8.6	6.1	4.6	3.5	2.9	2.6	2.0	1.7	1.4
75°	347.4	36.0	6.9	4.6	2.9	2.3	1.7	1.7	1.4	1.2	1.2
77.5°	119.1	15.3	4.9	2.6	2.0	1.4	1.2	0.9	1.2	0.9	0.9
80°	28.3	8.9	3.2	1.7	1.2	0.9	0.9	0.6	0.6	0.6	0.6
82.5°	12.4	5.2	2.0	1.2	1.2	0.9	0.6	0.3	0.3	0.3	0.3
85°	8.4	3.2	1.4	1.2	0.9	0.6	0.3	0.3	0.0	0.0	0.0
87.5°	6.6	2.0	1.2	1.2	0.9	0.6	0.3	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)