

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: P670705

Luminaire Tested: **CCP-SA-1C-827-U-T2**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670705  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-827-U-T2  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2 distribution lens  
Light Source: (16) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

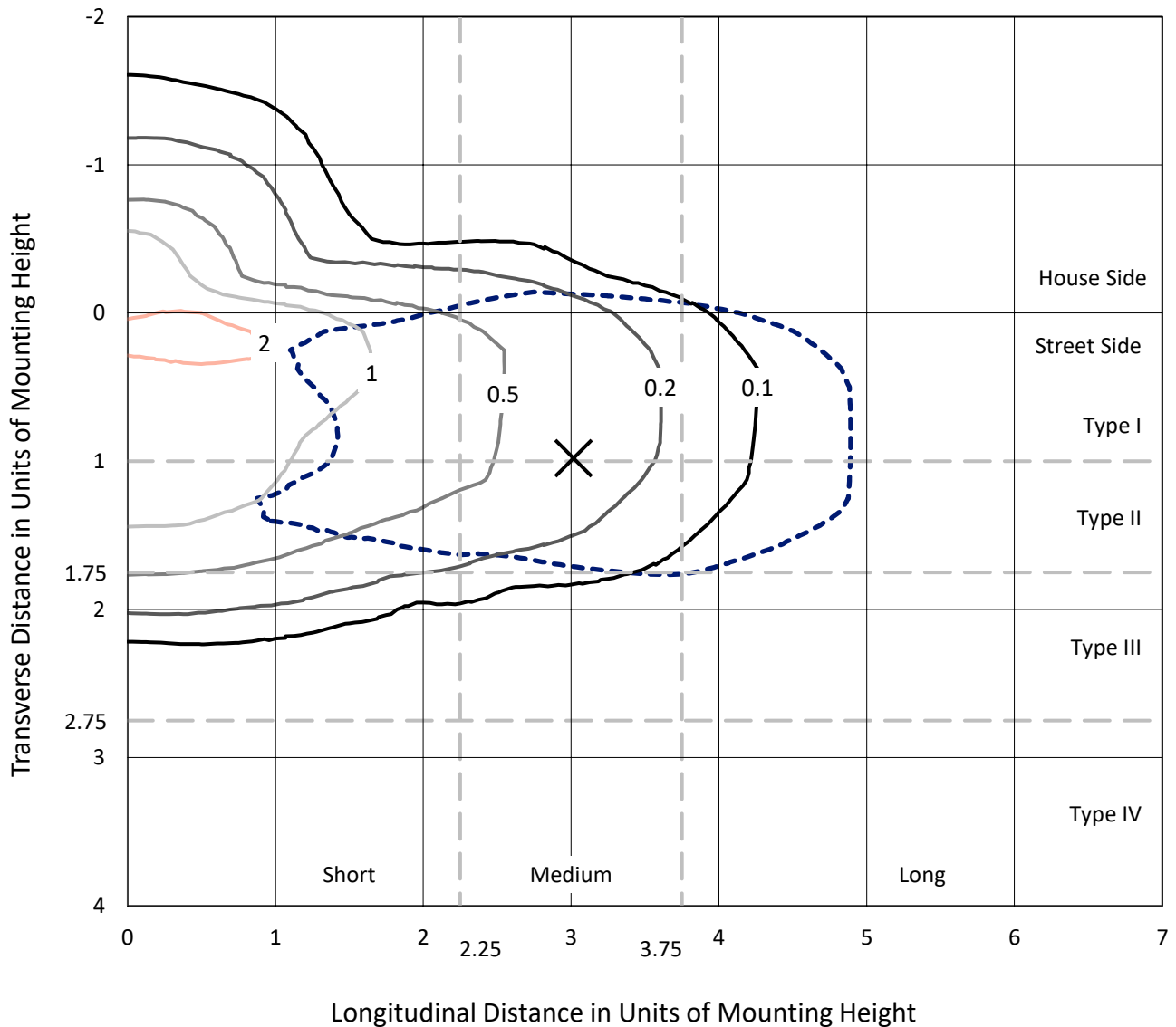
Lumens per Lamp: N/A  
Luminaire Lumens: 3315.3 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

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

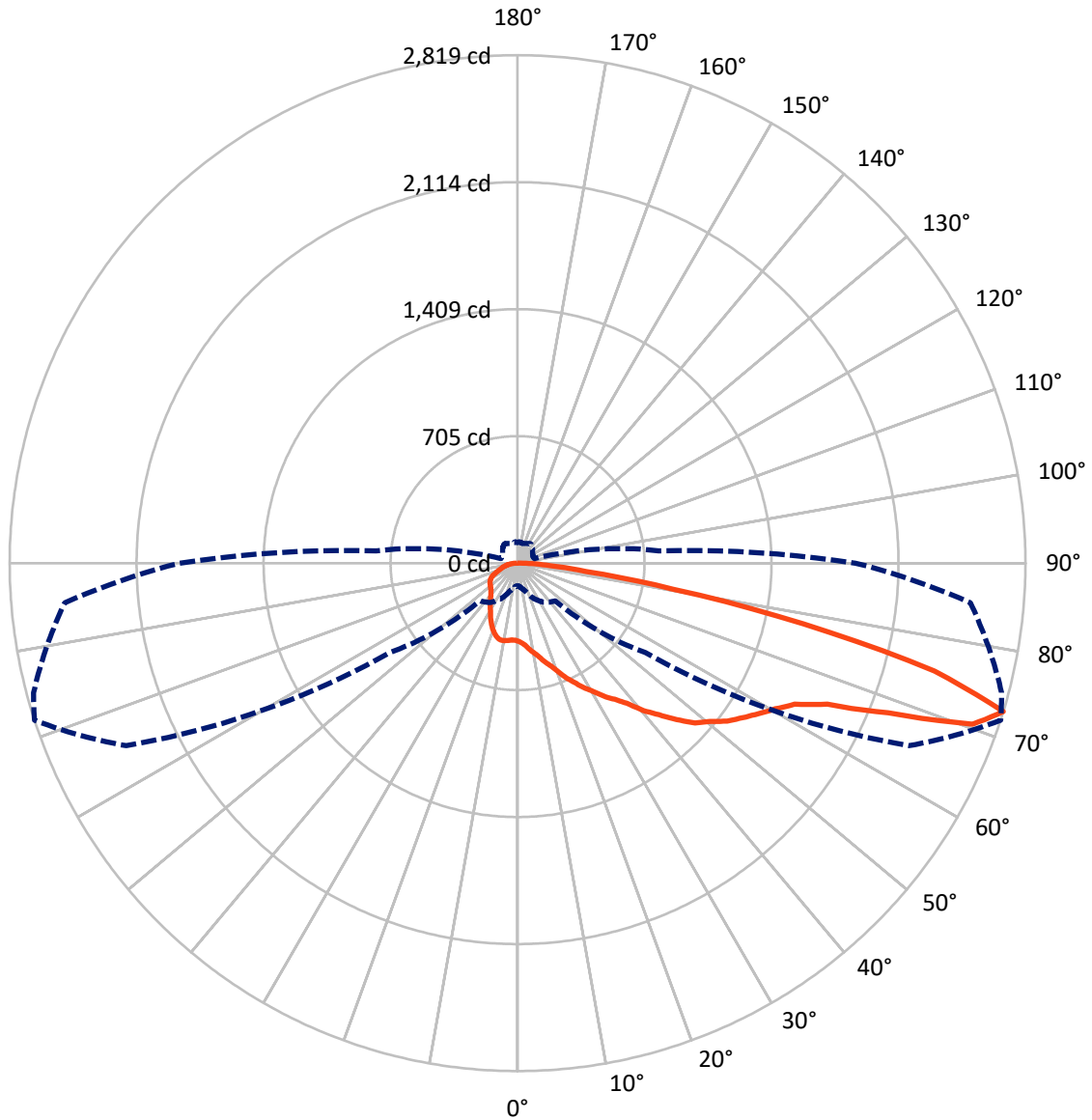
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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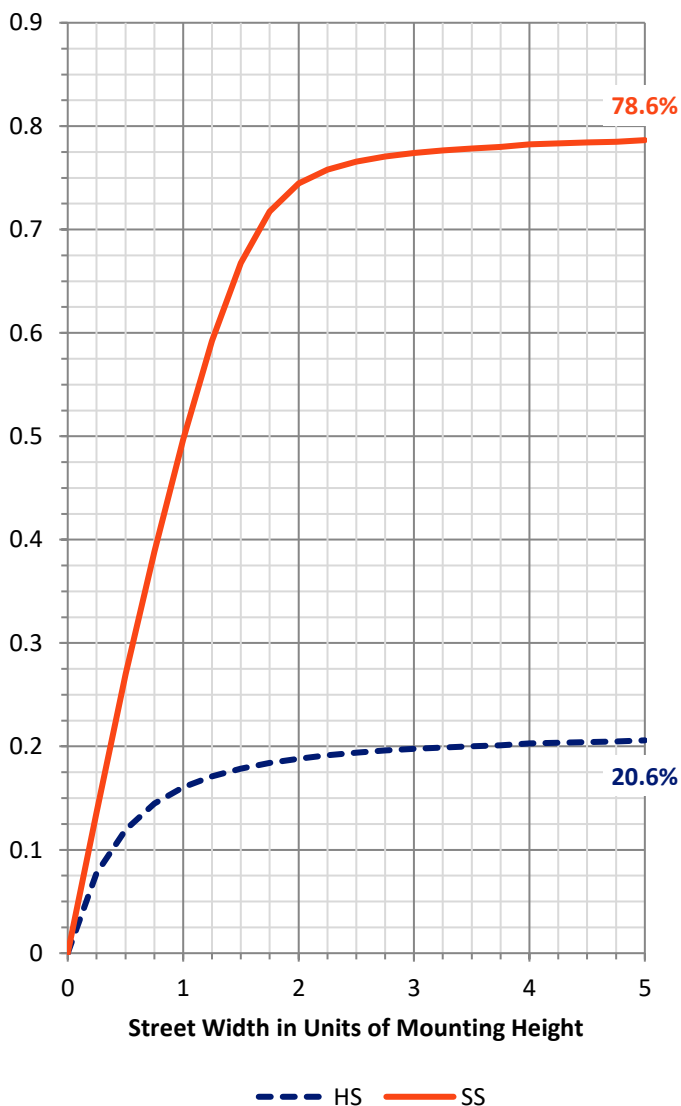
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	697.7	0.0	697.7
	% Fixture	21.0	0.0	21.0
<b>Street Side</b>	Lumens	2617.6	0.0	2617.6
	% Fixture	79.0	0.0	79.0
<b>Total</b>	Lumens	3315.3	0.0	3315.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.8	1.3
10°-20°	133.0	4.0
20°-30°	230.2	6.9
30°-40°	340.1	10.3
40°-50°	505.7	15.3
50°-60°	693.3	20.9
60°-70°	752.0	22.7
70°-80°	530.2	16.0
80°-90°	88.1	2.7
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°	3315.3	100.0
0°-180°	3315.3	100.0

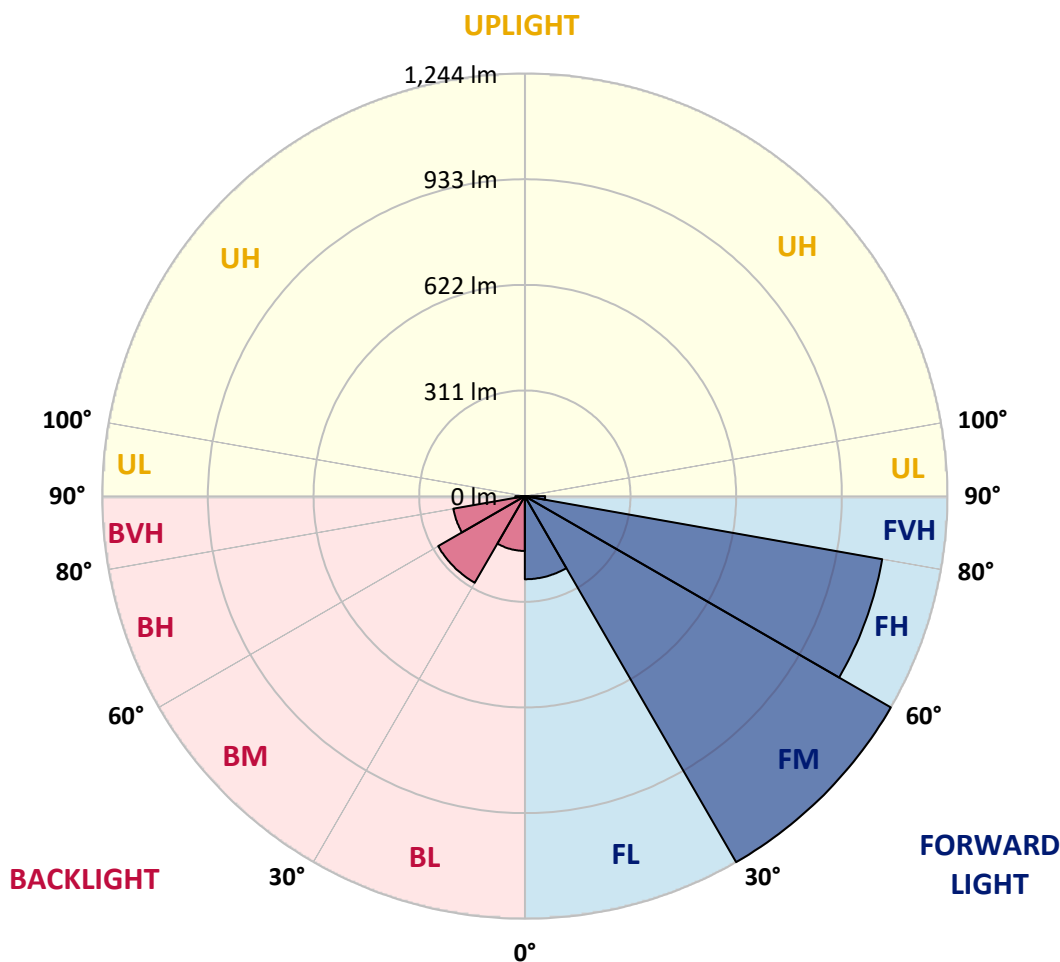


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.8	7.4			
FM (30°-60°)	1244.3	37.5			
FH (60°-80°)	1068.4	32.2			G1/1800
FVH (80°-90°)	60.1	1.8			G1/100
BL (0°-30°)	161.3	4.9	B1/500		
BM (30°-60°)	294.7	8.9	B1/1000		
BH (60°-80°)	213.7	6.4	B1/500		G1/500
BVH (80°-90°)	28.0	0.8			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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	467.3	467.3	463.7	462.4	462.4	452.6	453.9	447.7	442.9	442.9	438.0
5°	491.8	489.3	489.3	489.3	483.2	479.6	478.3	467.3	458.8	460.0	445.3
7.5°	497.9	499.1	500.4	506.5	502.8	505.2	502.8	490.6	484.4	478.3	464.9
10°	501.6	504.0	504.0	512.6	512.6	518.7	522.4	517.5	506.5	500.4	478.3
12.5°	510.1	506.5	511.4	517.5	523.6	534.6	545.6	540.7	533.4	526.0	501.6
15°	510.1	511.4	515.0	524.8	534.6	545.6	565.2	572.5	568.9	555.4	529.7
17.5°	495.5	491.8	508.9	527.3	545.6	559.1	584.8	601.9	599.4	594.6	555.4
20°	496.7	500.4	506.5	522.4	551.7	576.2	608.0	636.1	642.3	639.8	589.7
22.5°	518.7	519.9	526.0	533.4	556.6	588.4	636.1	681.4	692.4	686.3	627.6
25°	540.7	550.5	550.5	555.4	564.0	597.0	654.5	718.1	734.0	735.2	666.7
27.5°	576.2	578.6	586.0	588.4	595.8	615.3	675.3	745.0	781.7	776.8	702.2
30°	617.8	619.0	623.9	621.5	622.7	647.2	694.9	775.6	825.8	827.0	740.1
32.5°	666.7	676.5	679.0	663.1	665.5	671.6	725.5	812.3	880.8	872.3	773.2
35°	738.9	742.6	735.2	727.9	709.5	705.9	757.3	849.0	928.5	938.3	822.1
37.5°	828.2	838.0	828.2	789.1	769.5	754.8	796.4	889.4	986.0	1019.1	871.0
40°	911.4	910.2	900.4	864.9	830.7	819.7	852.7	945.7	1075.3	1107.1	942.0
42.5°	978.7	975.0	968.9	942.0	910.2	891.8	917.5	1004.4	1150.0	1211.1	1024.0
45°	1037.4	1032.5	1033.7	1003.2	972.6	982.4	982.4	1071.7	1238.0	1313.9	1118.1
47.5°	1092.5	1094.9	1091.2	1068.0	1044.7	1070.4	1057.0	1148.7	1324.9	1409.3	1197.7
50°	1156.1	1161.0	1148.7	1134.1	1113.3	1138.9	1121.8	1220.9	1381.2	1496.2	1293.1
52.5°	1216.0	1220.9	1231.9	1213.6	1192.8	1213.6	1174.4	1288.2	1455.8	1580.6	1366.5
55°	1230.7	1228.3	1289.4	1309.0	1320.0	1257.6	1220.9	1345.7	1514.5	1634.4	1449.7
57.5°	1163.4	1169.5	1252.7	1309.0	1426.4	1372.6	1273.5	1413.0	1575.7	1705.4	1526.8
60°	995.8	999.5	1103.5	1236.8	1408.1	1480.3	1415.4	1499.8	1643.0	1765.3	1613.6
62.5°	665.5	693.6	823.3	1032.5	1278.4	1509.6	1641.7	1646.6	1724.9	1841.2	1732.3
65°	351.1	364.6	466.1	634.9	968.9	1408.1	1854.6	1937.8	1888.9	1980.6	1903.5
67.5°	230.0	234.9	289.9	385.4	559.1	1027.6	1879.1	2443.0	2217.9	2246.1	2177.6
70°	171.3	173.7	214.1	285.0	346.2	549.3	1540.2	2679.2	2677.9	2603.3	2503.0
72.5°	126.0	129.7	157.8	217.8	266.7	296.1	866.1	2396.6	2818.6	2780.7	2522.6
75°	99.1	101.5	116.2	168.8	215.3	194.5	439.2	1775.1	2390.4	2572.7	2308.5
77.5°	80.7	83.2	91.8	122.3	172.5	150.5	210.4	1145.1	1620.9	1852.2	1766.5
80°	67.3	67.3	73.4	86.9	133.3	113.8	124.8	643.5	873.5	964.0	801.3
82.5°	57.5	56.3	61.2	63.6	99.1	82.0	80.7	291.2	384.1	407.4	300.9
85°	36.7	37.9	57.5	55.1	64.8	56.3	45.3	138.2	181.1	184.7	112.5
87.5°	14.7	14.7	24.5	30.6	36.7	34.3	22.0	62.4	79.5	79.5	31.8
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°	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1	433.1
2.5°	436.7	431.8	428.2	425.7	419.6	413.5	414.7	413.5	408.6	406.2	406.2
5°	441.6	436.7	430.6	420.8	414.7	407.4	409.8	404.9	400.0	403.7	397.6
7.5°	453.9	445.3	436.7	422.1	412.3	401.3	396.4	393.9	390.3	387.8	387.8
10°	471.0	458.8	442.9	420.8	404.9	387.8	385.4	380.5	376.8	376.8	375.6
12.5°	488.1	474.7	447.7	412.3	385.4	373.1	371.9	373.1	375.6	376.8	378.0
15°	510.1	488.1	446.5	396.4	369.5	364.6	370.7	375.6	380.5	385.4	384.1
17.5°	530.9	505.2	435.5	376.8	356.0	357.2	368.2	378.0	387.8	392.7	393.9
20°	559.1	521.2	419.6	353.6	342.5	353.6	368.2	380.5	391.5	397.6	398.8
22.5°	590.9	539.5	398.8	332.8	331.5	342.5	357.2	375.6	387.8	398.8	397.6
25°	619.0	551.7	371.9	315.6	318.1	325.4	342.5	362.1	374.3	386.6	382.9
27.5°	637.4	554.2	343.8	303.4	303.4	310.7	326.6	338.9	349.9	359.7	360.9
30°	658.2	549.3	312.0	287.5	287.5	297.3	303.4	310.7	316.8	319.3	321.7
32.5°	682.6	538.3	292.4	275.3	275.3	282.6	286.3	283.8	282.6	276.5	280.1
35°	705.9	522.4	270.4	259.4	264.2	267.9	266.7	259.4	252.0	241.0	237.3
37.5°	734.0	506.5	250.8	242.2	250.8	252.0	252.0	243.4	233.7	220.2	220.2
40°	776.8	494.2	234.9	231.2	239.8	238.6	232.4	226.3	230.0	222.7	222.7
42.5°	822.1	489.3	220.2	221.4	225.1	226.3	220.2	212.9	227.5	219.0	220.2
45°	878.4	493.0	210.4	209.2	217.8	216.5	212.9	206.7	211.6	189.6	183.5
47.5°	931.0	500.4	205.5	200.6	210.4	212.9	208.0	194.5	187.2	173.7	171.3
50°	978.7	516.3	200.6	190.8	200.6	205.5	197.0	182.3	173.7	165.2	165.2
52.5°	1024.0	539.5	198.2	179.8	188.4	194.5	189.6	174.9	165.2	161.5	157.8
55°	1070.4	560.3	194.5	172.5	174.9	187.2	186.0	166.4	156.6	156.6	155.4
57.5°	1136.5	588.4	189.6	160.3	165.2	178.6	178.6	162.7	151.7	152.9	154.1
60°	1203.8	621.5	184.7	148.0	151.7	170.0	172.5	157.8	148.0	149.2	148.0
62.5°	1311.4	682.6	174.9	133.3	140.7	159.0	165.2	151.7	143.1	145.6	145.6
65°	1474.1	787.8	154.1	121.1	129.7	149.2	157.8	145.6	135.8	143.1	140.7
67.5°	1735.9	932.2	129.7	111.3	122.3	139.5	149.2	138.2	129.7	140.7	137.0
70°	1970.8	1003.2	111.3	102.8	111.3	128.5	139.5	130.9	122.3	133.3	128.5
72.5°	1875.4	786.6	96.6	93.0	101.5	116.2	129.7	121.1	112.5	118.7	113.8
75°	1618.5	626.4	84.4	83.2	90.5	105.2	118.7	112.5	104.0	106.4	104.0
77.5°	1227.0	517.5	72.2	71.0	77.1	94.2	106.4	101.5	93.0	91.8	91.8
80°	548.1	254.5	59.9	59.9	63.6	80.7	90.5	88.1	79.5	78.3	77.1
82.5°	179.8	96.6	48.9	46.5	51.4	67.3	80.7	78.3	69.7	67.3	64.8
85°	72.2	46.5	35.5	35.5	40.4	56.3	72.2	67.3	56.3	50.2	50.2
87.5°	24.5	19.6	18.4	18.4	25.7	37.9	53.8	45.3	40.4	35.5	36.7
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)