

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: P674967

Luminaire Tested: **CCW-SA-1A-735-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674967  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1A-735-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/  
T3 distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

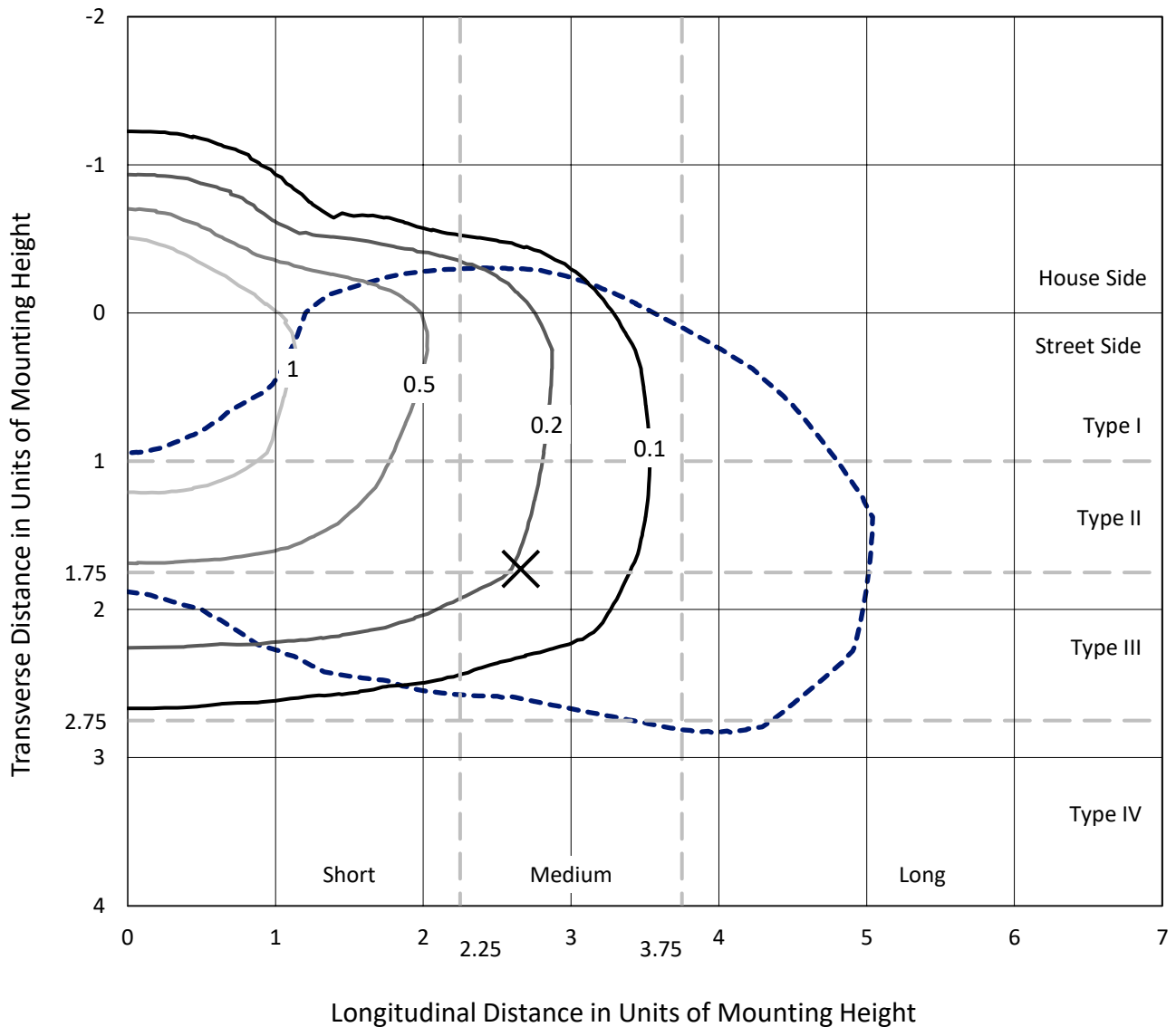
Lumens per Lamp: N/A  
Luminaire Lumens: 2726.4 lumens  
Efficiency: N/A  
Efficacy: 151.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 18  
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

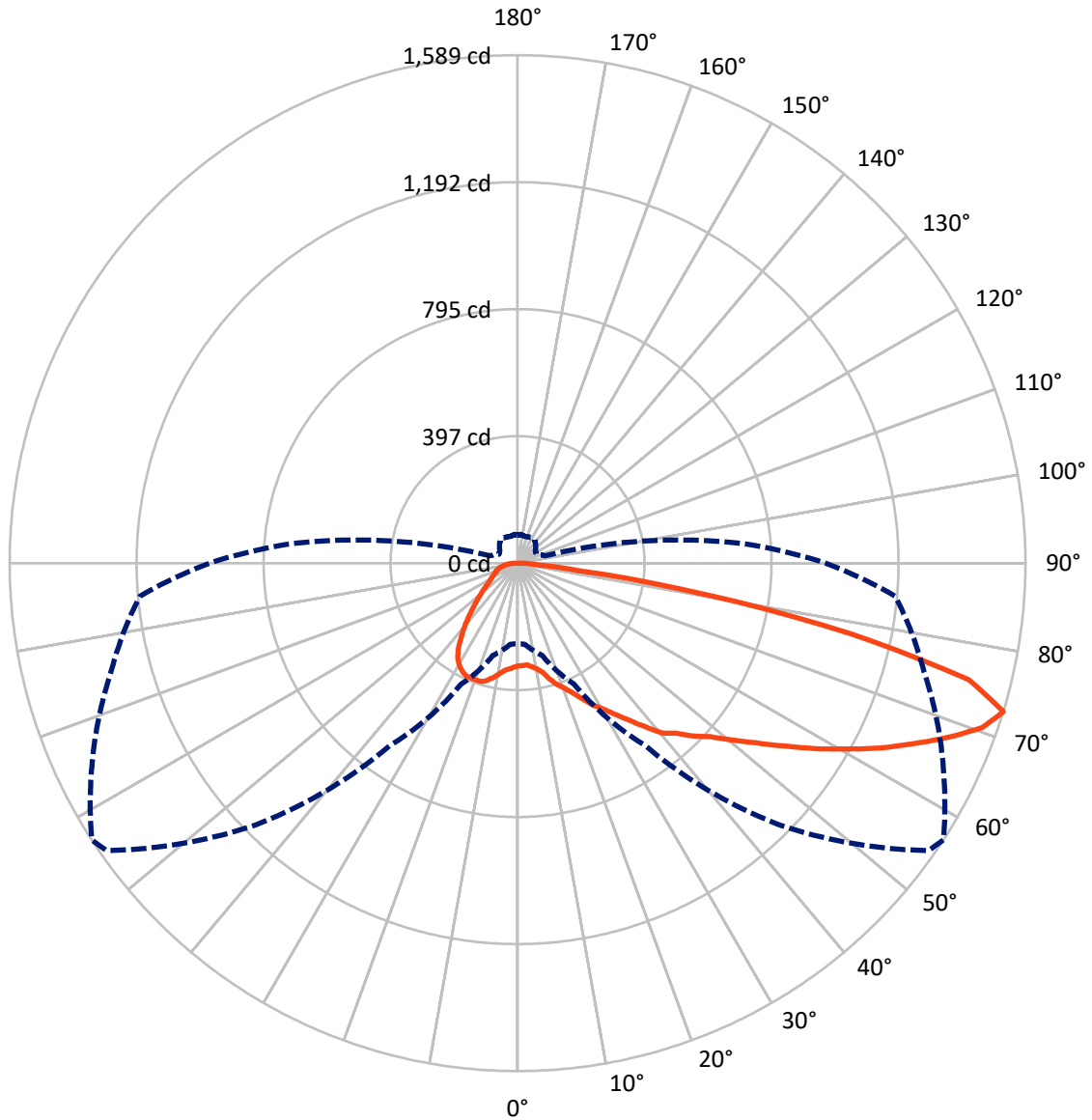
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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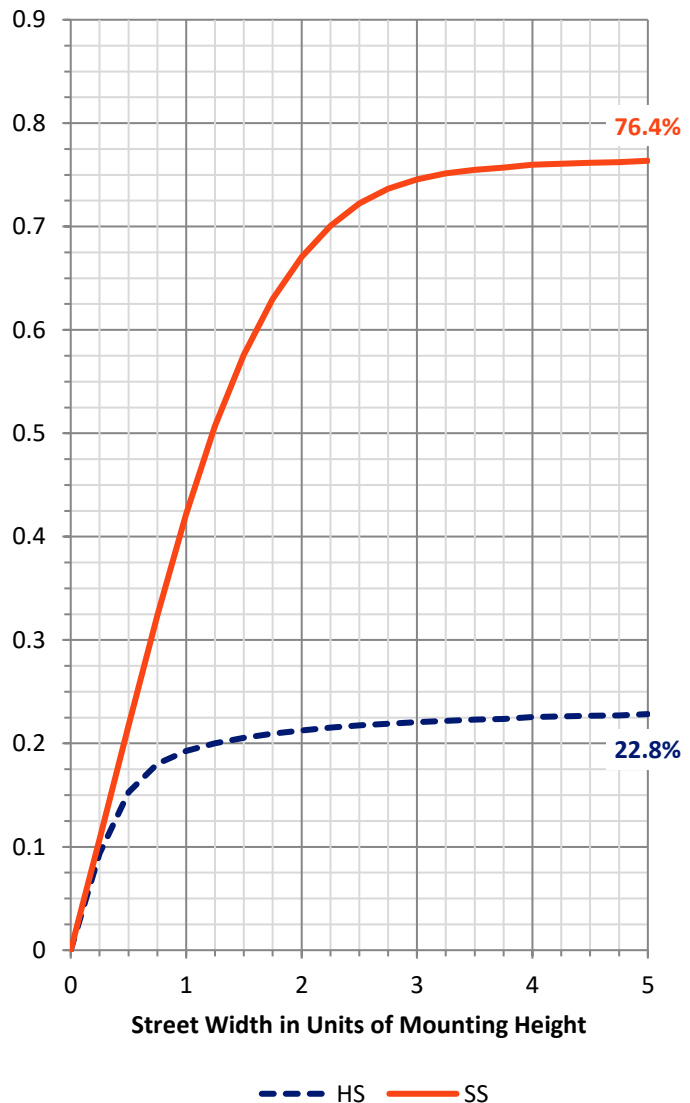
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	636.7	0.0	636.7
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	2089.6	0.0	2089.6
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	2726.4	0.0	2726.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.9	1.2
10°-20°	107.7	3.9
20°-30°	196.8	7.2
30°-40°	288.7	10.6
40°-50°	397.5	14.6
50°-60°	545.1	20.0
60°-70°	657.1	24.1
70°-80°	437.7	16.1
80°-90°	63.8	2.3
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°	2726.4	100.0
0°-180°	2726.4	100.0

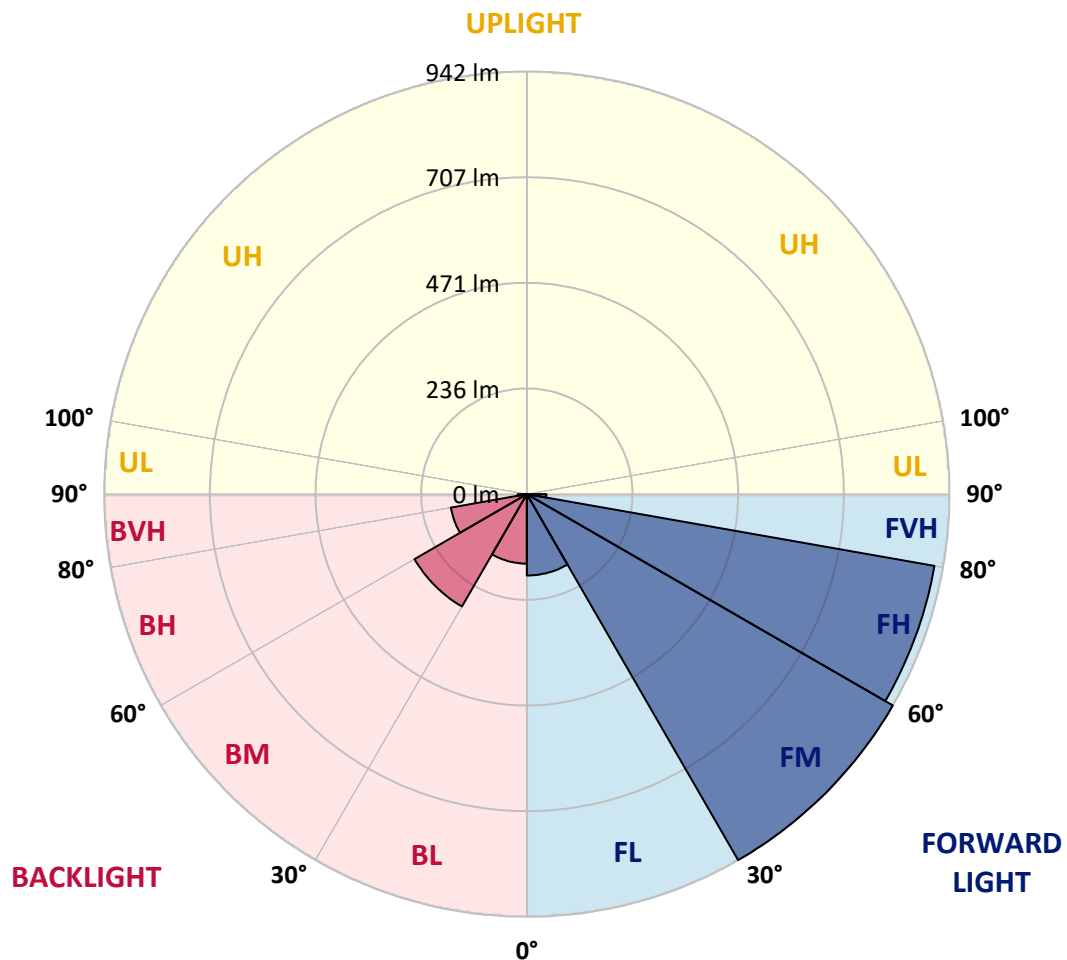


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.4	6.7			
FM (30°-60°)	942.2	34.6			
FH (60°-80°)	922.7	33.8			G1/1800
FVH (80°-90°)	43.4	1.6			G1/100
BL (0°-30°)	155.0	5.7	B1/500		
BM (30°-60°)	289.2	10.6	B1/1000		
BH (60°-80°)	172.1	6.3	B1/500		G1/500
BVH (80°-90°)	20.3	0.7			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	321.8	321.8	321.8	321.8	321.8	321.8	321.8	321.8	321.8	321.8	321.8
2.5°	315.8	316.8	318.8	317.8	317.8	314.8	319.8	320.8	318.8	319.8	321.8
5°	315.8	317.8	320.8	318.8	319.8	318.8	316.8	319.8	319.8	320.8	323.8
7.5°	332.7	331.7	331.7	328.7	327.8	326.8	327.8	327.8	325.8	326.8	326.8
10°	351.6	351.6	349.6	349.6	347.6	342.7	337.7	336.7	333.7	334.7	334.7
12.5°	371.5	373.4	375.4	369.5	367.5	359.5	356.6	350.6	350.6	348.6	347.6
15°	396.3	393.3	395.3	393.3	388.3	380.4	375.4	376.4	369.5	367.5	364.5
17.5°	418.1	419.1	416.2	414.2	405.2	399.3	400.3	399.3	390.3	387.3	382.4
20°	444.0	443.0	443.0	437.0	429.1	421.1	418.1	417.1	419.1	413.2	401.3
22.5°	470.8	466.8	466.8	461.8	450.9	445.9	444.0	440.0	442.0	437.0	419.1
25°	492.6	492.6	499.6	489.6	483.7	473.8	469.8	470.8	471.8	461.8	441.0
27.5°	521.4	516.5	523.4	518.5	515.5	504.5	499.6	502.6	500.6	489.6	460.8
30°	558.2	559.2	555.2	548.2	544.3	536.3	533.3	530.4	533.3	519.4	482.7
32.5°	603.9	606.8	596.9	589.0	582.0	574.1	568.1	565.1	568.1	547.3	499.6
35°	656.5	659.5	651.5	642.6	634.7	614.8	609.8	604.9	593.9	560.2	515.5
37.5°	705.2	701.2	699.2	699.2	684.3	655.5	652.5	649.6	628.7	586.0	537.3
40°	737.9	742.9	740.9	738.9	737.0	710.1	704.2	699.2	664.5	624.7	568.1
42.5°	774.7	771.7	779.7	782.6	775.7	767.7	743.9	727.0	696.2	664.5	613.8
45°	818.4	816.4	819.4	830.3	820.4	823.4	783.6	771.7	733.0	714.1	671.4
47.5°	857.1	862.1	877.0	880.0	872.0	885.9	830.3	811.4	786.6	771.7	731.0
50°	874.0	880.0	913.7	934.6	935.6	957.4	877.0	869.1	835.3	841.2	805.5
52.5°	860.1	879.0	919.7	974.3	1008.1	1029.9	938.6	934.6	903.8	922.7	886.9
55°	873.0	890.9	917.7	994.2	1079.6	1084.6	1024.0	1009.1	978.3	1004.1	971.3
57.5°	879.0	869.1	919.7	1016.0	1132.2	1145.2	1105.4	1094.5	1070.7	1095.5	1076.6
60°	832.3	844.2	891.9	1010.1	1135.2	1209.7	1196.8	1180.9	1159.1	1181.9	1171.0
62.5°	779.7	787.6	839.3	974.3	1152.1	1256.4	1285.2	1273.3	1242.5	1262.4	1281.2
65°	713.1	714.1	771.7	910.8	1119.3	1283.2	1362.7	1361.7	1339.8	1334.9	1364.7
67.5°	631.7	639.6	685.3	843.2	1074.6	1313.0	1439.1	1454.0	1410.3	1371.6	1382.5
70°	484.7	492.6	536.3	691.3	983.3	1304.1	1533.5	1541.4	1456.0	1357.7	1329.9
72.5°	252.3	254.3	299.0	417.1	697.2	1158.1	1568.3	1589.1	1467.9	1317.0	1185.9
75°	83.4	83.4	102.3	158.9	328.7	740.9	1420.3	1458.0	1409.4	1215.7	970.4
77.5°	49.7	50.7	60.6	79.5	131.1	296.0	1001.1	1067.7	1153.1	1033.9	709.1
80°	35.8	36.7	45.7	54.6	78.5	95.3	502.6	594.9	708.2	665.4	378.4
82.5°	26.8	26.8	35.8	40.7	53.6	56.6	140.0	191.7	305.9	238.4	104.3
85°	27.8	27.8	27.8	28.8	36.7	32.8	58.6	62.6	89.4	78.5	28.8
87.5°	9.9	10.9	27.8	18.9	18.9	13.9	22.8	24.8	31.8	32.8	10.9
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°	321.8	321.8	321.8	321.8	321.8	321.8	321.8	321.8	321.8	321.8	321.8
2.5°	322.8	322.8	323.8	323.8	325.8	327.8	330.7	328.7	328.7	329.7	328.7
5°	321.8	322.8	325.8	330.7	332.7	333.7	339.7	339.7	339.7	341.7	341.7
7.5°	325.8	327.8	332.7	337.7	338.7	341.7	349.6	351.6	356.6	358.5	359.5
10°	335.7	338.7	342.7	348.6	352.6	356.6	362.5	369.5	368.5	374.4	375.4
12.5°	350.6	349.6	356.6	362.5	366.5	372.5	374.4	374.4	374.4	374.4	376.4
15°	362.5	364.5	370.5	374.4	379.4	378.4	374.4	370.5	371.5	370.5	370.5
17.5°	380.4	380.4	385.4	386.4	388.3	378.4	372.5	372.5	375.4	375.4	373.4
20°	398.3	397.3	399.3	398.3	385.4	373.4	372.5	373.4	374.4	373.4	372.5
22.5°	415.2	413.2	410.2	406.2	383.4	372.5	370.5	365.5	360.5	360.5	357.6
25°	430.1	428.1	420.1	408.2	382.4	366.5	356.6	344.6	338.7	335.7	339.7
27.5°	444.0	440.0	429.1	408.2	373.4	350.6	331.7	316.8	311.9	307.9	311.9
30°	462.8	455.9	441.0	405.2	359.5	325.8	299.9	282.1	277.1	271.1	273.1
32.5°	479.7	463.8	450.9	396.3	341.7	298.0	268.2	250.3	241.3	236.4	240.4
35°	497.6	481.7	454.9	382.4	313.9	264.2	234.4	217.5	210.6	203.6	203.6
37.5°	515.5	506.5	460.8	356.6	280.1	232.4	205.6	192.7	180.8	167.9	167.9
40°	553.2	541.3	467.8	326.8	246.3	201.6	182.7	165.9	153.9	136.1	135.1
42.5°	592.9	567.1	467.8	291.0	216.5	179.8	161.9	144.0	122.2	111.2	112.2
45°	643.6	613.8	454.9	259.2	186.7	161.9	142.0	119.2	109.3	102.3	102.3
47.5°	707.2	660.5	439.0	224.5	162.9	146.0	121.2	107.3	100.3	94.4	93.4
50°	782.6	703.2	419.1	194.7	143.0	131.1	110.2	99.3	93.4	89.4	89.4
52.5°	862.1	765.8	405.2	167.9	127.1	111.2	102.3	95.3	90.4	87.4	86.4
55°	942.5	828.3	395.3	139.0	112.2	102.3	100.3	94.4	92.4	89.4	87.4
57.5°	1032.9	880.0	393.3	119.2	100.3	98.3	102.3	97.3	94.4	91.4	88.4
60°	1130.3	949.5	375.4	103.3	94.4	96.3	99.3	94.4	92.4	89.4	87.4
62.5°	1226.6	1001.1	326.8	91.4	88.4	90.4	94.4	90.4	87.4	88.4	89.4
65°	1266.3	1005.1	253.3	82.4	81.4	82.4	88.4	87.4	84.4	90.4	90.4
67.5°	1226.6	969.4	178.8	74.5	74.5	79.5	89.4	91.4	88.4	96.3	95.3
70°	1136.2	881.0	121.2	69.5	71.5	84.4	92.4	90.4	86.4	96.3	94.4
72.5°	964.4	705.2	88.4	64.6	67.5	80.4	91.4	89.4	86.4	90.4	86.4
75°	724.0	501.6	69.5	58.6	59.6	72.5	94.4	89.4	81.4	79.5	76.5
77.5°	483.7	309.9	53.6	51.6	51.6	63.6	90.4	83.4	73.5	70.5	69.5
80°	230.4	124.2	42.7	43.7	44.7	54.6	82.4	74.5	66.5	62.6	62.6
82.5°	73.5	46.7	35.8	35.8	35.8	44.7	68.5	62.6	57.6	54.6	49.7
85°	25.8	25.8	30.8	31.8	28.8	32.8	56.6	53.6	47.7	39.7	38.7
87.5°	9.9	14.9	20.9	24.8	17.9	22.8	40.7	37.7	34.8	25.8	24.8
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)