

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: P674824

Luminaire Tested: **CCW-SA-1B-735-U-T2**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674824  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1B-735-U-T2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
T2 distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

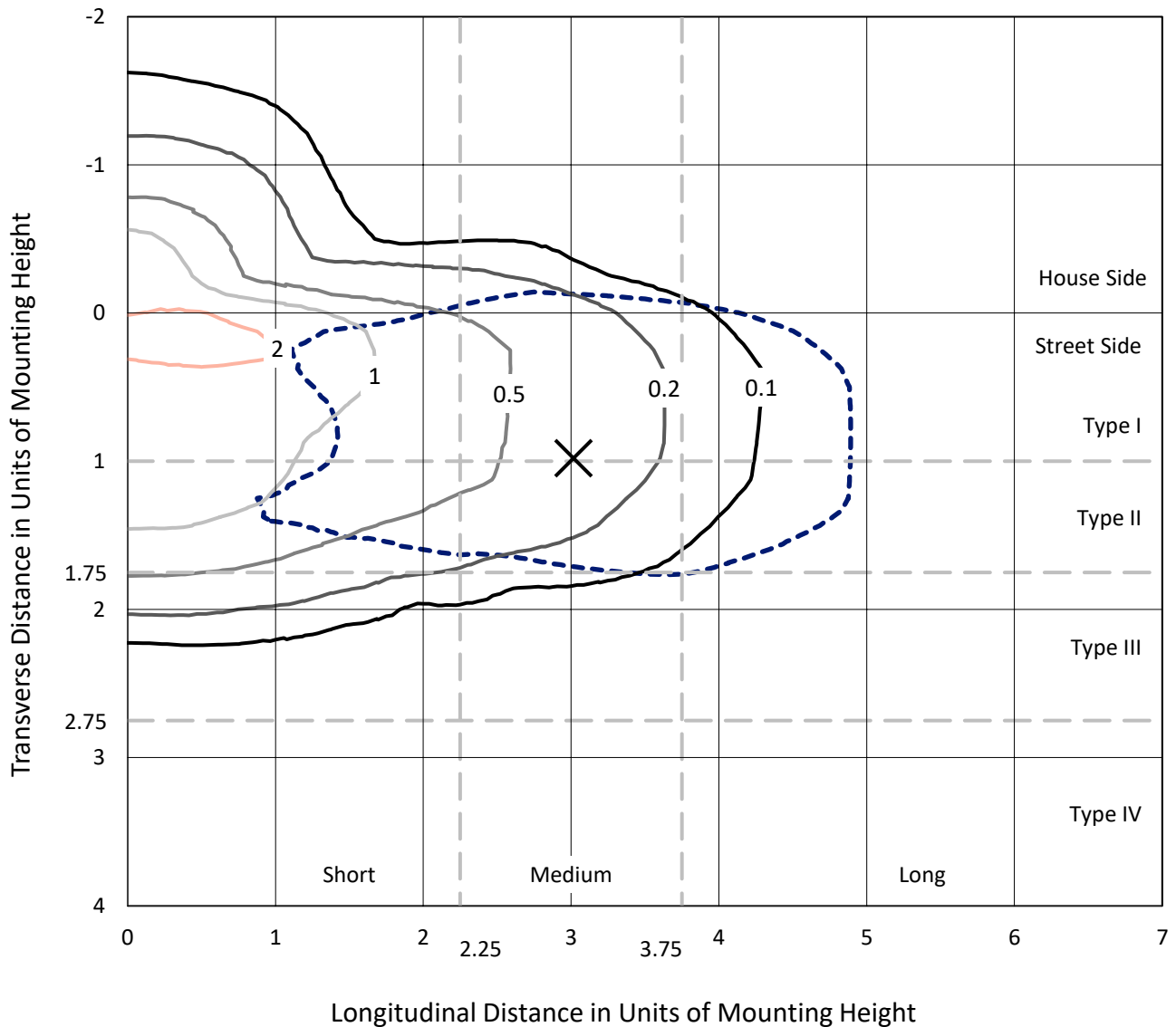
Lumens per Lamp: N/A  
Luminaire Lumens: 3397.8 lumens  
Efficiency: N/A  
Efficacy: 141.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 24  
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: P674824  
 CATALOG NUMBER: CCW-SA-1B-735-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

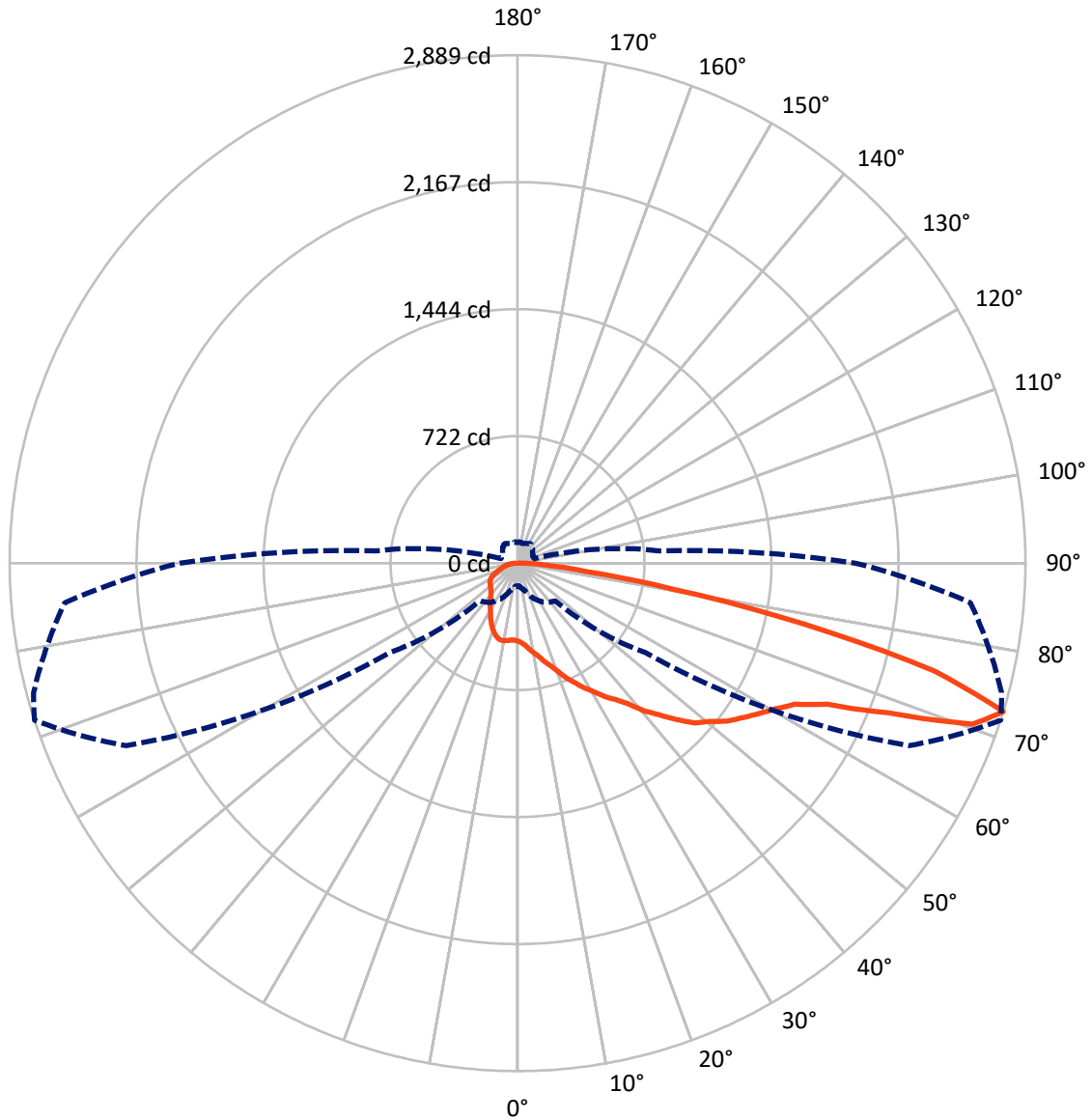
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P674824  
CATALOG NUMBER: CCW-SA-1B-735-U-T2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P674824

CATALOG NUMBER: CCW-SA-1B-735-U-T2

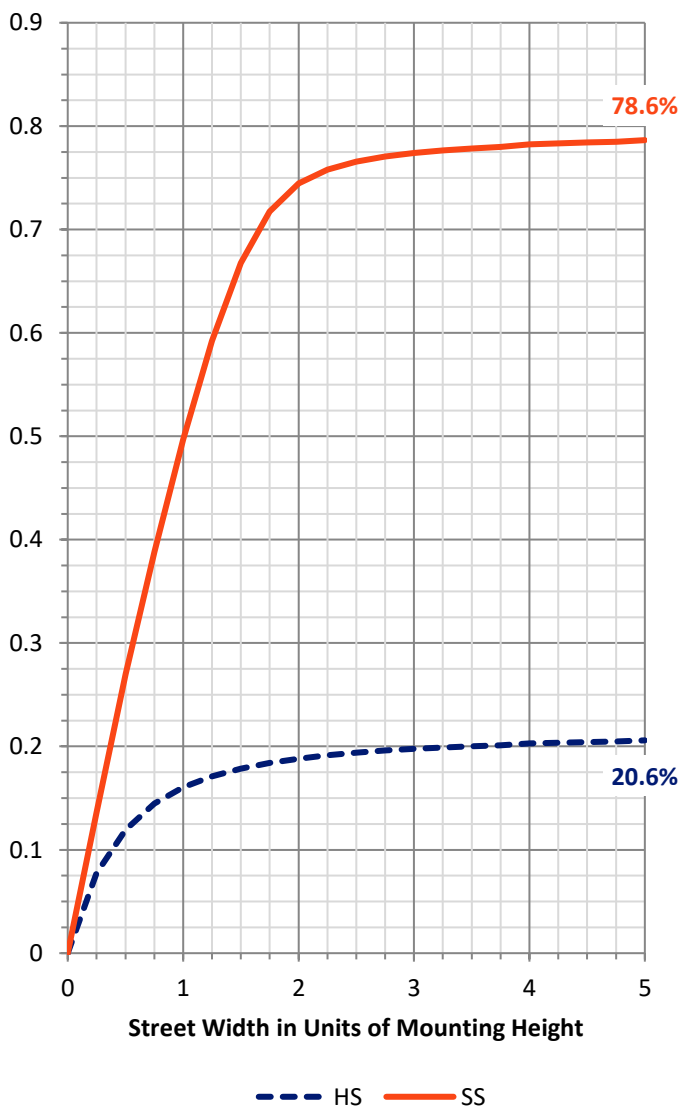
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	715.1	0.0	715.1
	% Fixture	21.0	0.0	21.0
<b>Street Side</b>	Lumens	2682.7	0.0	2682.7
	% Fixture	79.0	0.0	79.0
<b>Total</b>	Lumens	3397.8	0.0	3397.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.9	1.3
10°-20°	136.4	4.0
20°-30°	235.9	6.9
30°-40°	348.5	10.3
40°-50°	518.3	15.3
50°-60°	710.5	20.9
60°-70°	770.7	22.7
70°-80°	543.4	16.0
80°-90°	90.3	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°	3397.8	100.0
0°-180°	3397.8	100.0



REPORT NUMBER: P674824

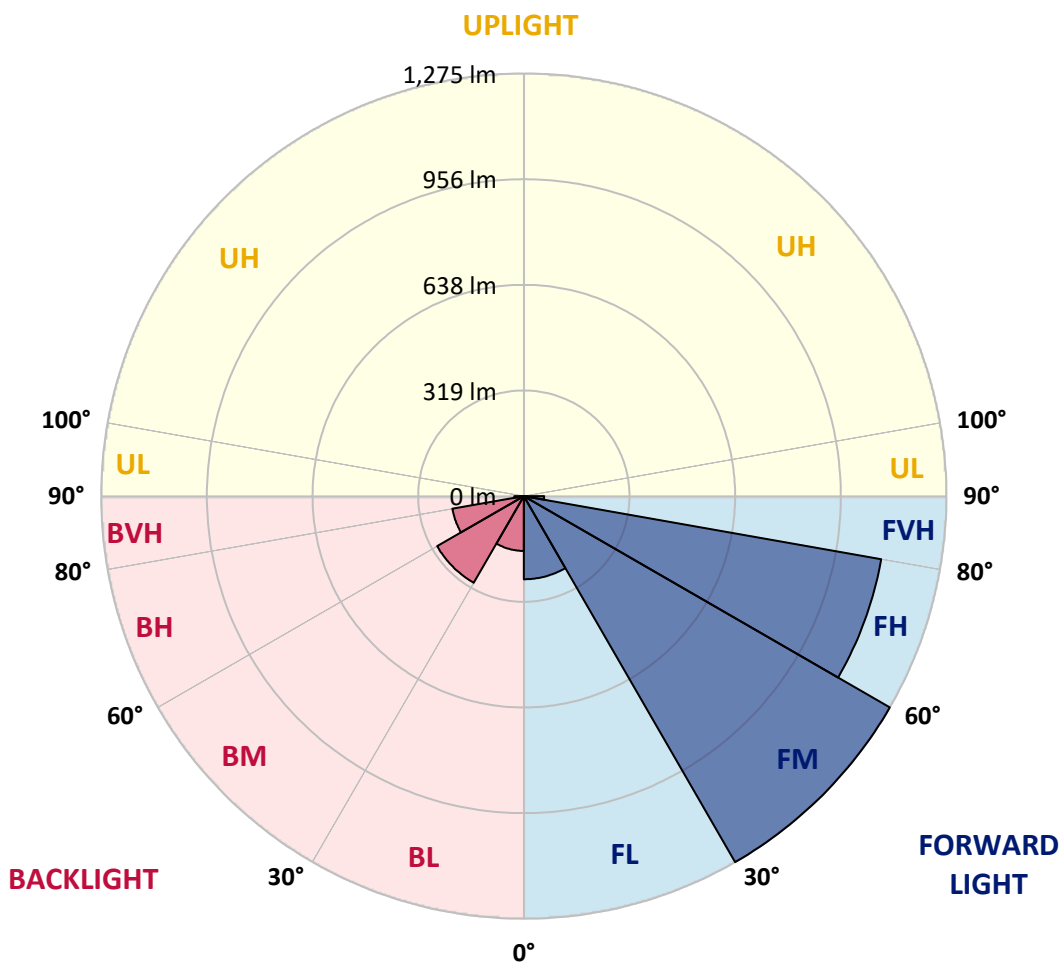
CATALOG NUMBER: CCW-SA-1B-735-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	250.9	7.4			
FM (30°-60°)	1275.3	37.5			
FH (60°-80°)	1095.0	32.2			G1/1800
FVH (80°-90°)	61.5	1.8			G1/100
BL (0°-30°)	165.3	4.9	B1/500		
BM (30°-60°)	302.0	8.9	B1/1000		
BH (60°-80°)	219.0	6.4	B1/500		G1/500
BVH (80°-90°)	28.7	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





REPORT NUMBER: P674824  
 CATALOG NUMBER: CCW-SA-1B-735-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	479.0	479.0	475.2	473.9	473.9	463.9	465.2	458.9	453.9	453.9	448.9
5°	504.0	501.5	501.5	501.5	495.3	491.5	490.2	479.0	470.2	471.4	456.4
7.5°	510.3	511.6	512.8	519.1	515.3	517.8	515.3	502.8	496.5	490.2	476.4
10°	514.1	516.6	516.6	525.3	525.3	531.6	535.4	530.4	519.1	512.8	490.2
12.5°	522.8	519.1	524.1	530.4	536.6	547.9	559.2	554.2	546.7	539.1	514.1
15°	522.8	524.1	527.9	537.9	547.9	559.2	579.3	586.8	583.0	569.2	542.9
17.5°	507.8	504.0	521.6	540.4	559.2	573.0	599.3	616.9	614.4	609.3	569.2
20°	509.0	512.8	519.1	535.4	565.5	590.5	623.1	652.0	658.2	655.7	604.3
22.5°	531.6	532.9	539.1	546.7	570.5	603.1	652.0	698.4	709.7	703.4	643.2
25°	554.2	564.2	564.2	569.2	578.0	611.9	670.8	736.0	752.3	753.5	683.3
27.5°	590.5	593.0	600.6	603.1	610.6	630.7	692.1	763.6	801.2	796.2	719.7
30°	633.2	634.4	639.4	636.9	638.2	663.3	712.2	794.9	846.3	847.6	758.6
32.5°	683.3	693.4	695.9	679.6	682.1	688.3	743.5	832.5	902.7	894.0	792.4
35°	757.3	761.1	753.5	746.0	727.2	723.4	776.1	870.1	951.6	961.7	842.6
37.5°	848.8	858.9	848.8	808.7	788.6	773.6	816.2	911.5	1010.6	1044.4	892.7
40°	934.1	932.8	922.8	886.4	851.3	840.0	873.9	969.2	1102.1	1134.7	965.4
42.5°	1003.0	999.3	993.0	965.4	932.8	914.0	940.4	1029.4	1178.6	1241.3	1049.4
45°	1063.2	1058.2	1059.5	1028.1	996.8	1006.8	1006.8	1098.3	1268.8	1346.6	1146.0
47.5°	1119.6	1122.2	1118.4	1094.6	1070.7	1097.1	1083.3	1177.3	1357.9	1444.4	1227.5
50°	1184.8	1189.9	1177.3	1162.3	1141.0	1167.3	1149.7	1251.3	1415.5	1533.4	1325.3
52.5°	1246.3	1251.3	1262.6	1243.8	1222.5	1243.8	1203.6	1320.3	1492.0	1619.9	1400.5
55°	1261.3	1258.8	1321.5	1341.6	1352.9	1288.9	1251.3	1379.2	1552.2	1675.1	1485.8
57.5°	1192.4	1198.6	1283.9	1341.6	1461.9	1406.8	1305.2	1448.1	1614.9	1747.8	1564.7
60°	1020.6	1024.4	1130.9	1267.6	1443.1	1517.1	1450.6	1537.2	1683.9	1809.2	1653.8
62.5°	682.1	710.9	843.8	1058.2	1310.2	1547.2	1682.6	1687.6	1767.9	1887.0	1775.4
65°	359.8	373.6	477.7	650.7	993.0	1443.1	1900.8	1986.0	1935.9	2029.9	1950.9
67.5°	235.7	240.7	297.2	394.9	573.0	1053.2	1925.8	2503.8	2273.1	2302.0	2231.8
70°	175.5	178.0	219.4	292.1	354.8	563.0	1578.5	2745.8	2744.6	2668.1	2565.3
72.5°	129.1	132.9	161.7	223.2	273.3	303.4	887.7	2456.2	2888.8	2849.9	2585.3
75°	101.6	104.1	119.1	173.0	220.7	199.4	450.1	1819.3	2449.9	2636.7	2365.9
77.5°	82.8	85.3	94.0	125.4	176.8	154.2	215.7	1173.6	1661.3	1898.3	1810.5
80°	69.0	69.0	75.2	89.0	136.7	116.6	127.9	659.5	895.2	988.0	821.2
82.5°	58.9	57.7	62.7	65.2	101.6	84.0	82.8	298.4	393.7	417.5	308.4
85°	37.6	38.9	58.9	56.4	66.5	57.7	46.4	141.7	185.6	189.3	115.3
87.5°	15.0	15.0	25.1	31.3	37.6	35.1	22.6	63.9	81.5	81.5	32.6
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: P674824  
 CATALOG NUMBER: CCW-SA-1B-735-U-T2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8	443.8
2.5°	447.6	442.6	438.8	436.3	430.1	423.8	425.0	423.8	418.8	416.3	416.3
5°	452.6	447.6	441.3	431.3	425.0	417.5	420.0	415.0	410.0	413.8	407.5
7.5°	465.2	456.4	447.6	432.6	422.5	411.2	406.2	403.7	400.0	397.5	397.5
10°	482.7	470.2	453.9	431.3	415.0	397.5	394.9	389.9	386.2	386.2	384.9
12.5°	500.3	486.5	458.9	422.5	394.9	382.4	381.2	382.4	384.9	386.2	387.4
15°	522.8	500.3	457.6	406.2	378.6	373.6	379.9	384.9	389.9	394.9	393.7
17.5°	544.2	517.8	446.4	386.2	364.9	366.1	377.4	387.4	397.5	402.5	403.7
20°	573.0	534.1	430.1	362.3	351.1	362.3	377.4	389.9	401.2	407.5	408.7
22.5°	605.6	552.9	408.7	341.0	339.8	351.1	366.1	384.9	397.5	408.7	407.5
25°	634.4	565.5	381.2	323.5	326.0	333.5	351.1	371.1	383.7	396.2	392.4
27.5°	653.2	568.0	352.3	310.9	310.9	318.5	334.8	347.3	358.6	368.6	369.9
30°	674.5	563.0	319.7	294.6	294.6	304.7	310.9	318.5	324.7	327.2	329.7
32.5°	699.6	551.7	299.7	282.1	282.1	289.6	293.4	290.9	289.6	283.4	287.1
35°	723.4	535.4	277.1	265.8	270.8	274.6	273.3	265.8	258.3	247.0	243.2
37.5°	752.3	519.1	257.0	248.3	257.0	258.3	258.3	249.5	239.5	225.7	225.7
40°	796.2	506.5	240.7	237.0	245.7	244.5	238.2	232.0	235.7	228.2	228.2
42.5°	842.6	501.5	225.7	226.9	230.7	232.0	225.7	218.2	233.2	224.4	225.7
45°	900.2	505.3	215.7	214.4	223.2	221.9	218.2	211.9	216.9	194.3	188.1
47.5°	954.1	512.8	210.6	205.6	215.7	218.2	213.1	199.4	191.8	178.0	175.5
50°	1003.0	529.1	205.6	195.6	205.6	210.6	201.9	186.8	178.0	169.3	169.3
52.5°	1049.4	552.9	203.1	184.3	193.1	199.4	194.3	179.3	169.3	165.5	161.7
55°	1097.1	574.2	199.4	176.8	179.3	191.8	190.6	170.5	160.5	160.5	159.2
57.5°	1164.8	603.1	194.3	164.2	169.3	183.1	183.1	166.8	155.5	156.7	158.0
60°	1233.7	636.9	189.3	151.7	155.5	174.3	176.8	161.7	151.7	153.0	151.7
62.5°	1344.1	699.6	179.3	136.7	144.2	163.0	169.3	155.5	146.7	149.2	149.2
65°	1510.8	807.4	158.0	124.1	132.9	153.0	161.7	149.2	139.2	146.7	144.2
67.5°	1779.1	955.4	132.9	114.1	125.4	142.9	153.0	141.7	132.9	144.2	140.4
70°	2019.9	1028.1	114.1	105.3	114.1	131.6	142.9	134.2	125.4	136.7	131.6
72.5°	1922.1	806.2	99.1	95.3	104.1	119.1	132.9	124.1	115.3	121.6	116.6
75°	1658.8	641.9	86.5	85.3	92.8	107.8	121.6	115.3	106.6	109.1	106.6
77.5°	1257.6	530.4	74.0	72.7	79.0	96.5	109.1	104.1	95.3	94.0	94.0
80°	561.7	260.8	61.4	61.4	65.2	82.8	92.8	90.3	81.5	80.2	79.0
82.5°	184.3	99.1	50.2	47.6	52.7	69.0	82.8	80.2	71.5	69.0	66.5
85°	74.0	47.6	36.4	36.4	41.4	57.7	74.0	69.0	57.7	51.4	51.4
87.5°	25.1	20.1	18.8	18.8	26.3	38.9	55.2	46.4	41.4	36.4	37.6
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)