

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: P675471

Luminaire Tested: **CCW-SA-2A-835-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675471
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-835-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL2 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

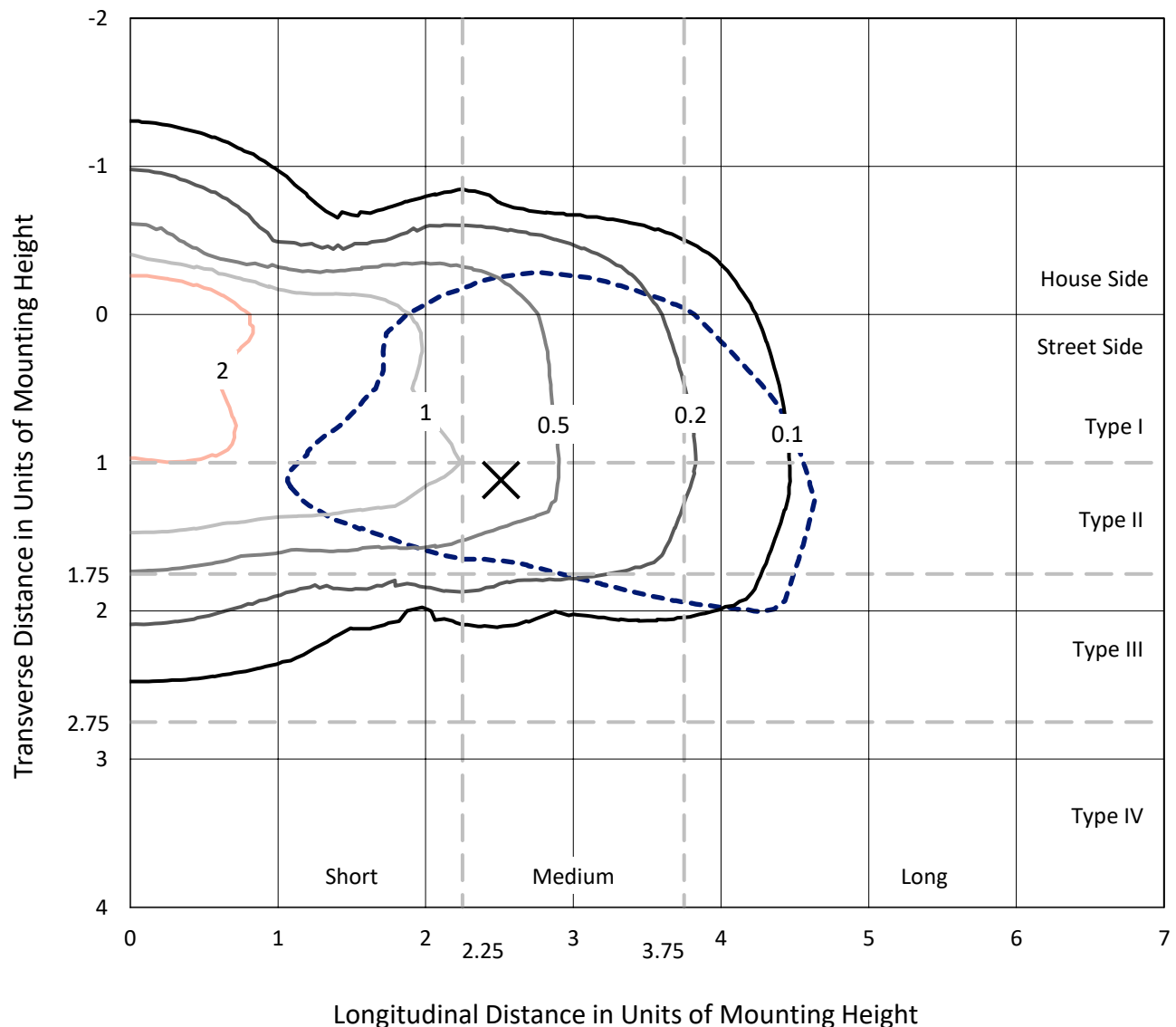
Lumens per Lamp: N/A
Luminaire Lumens: 4462.1 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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: P675471
 CATALOG NUMBER: CCW-SA-2A-835-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

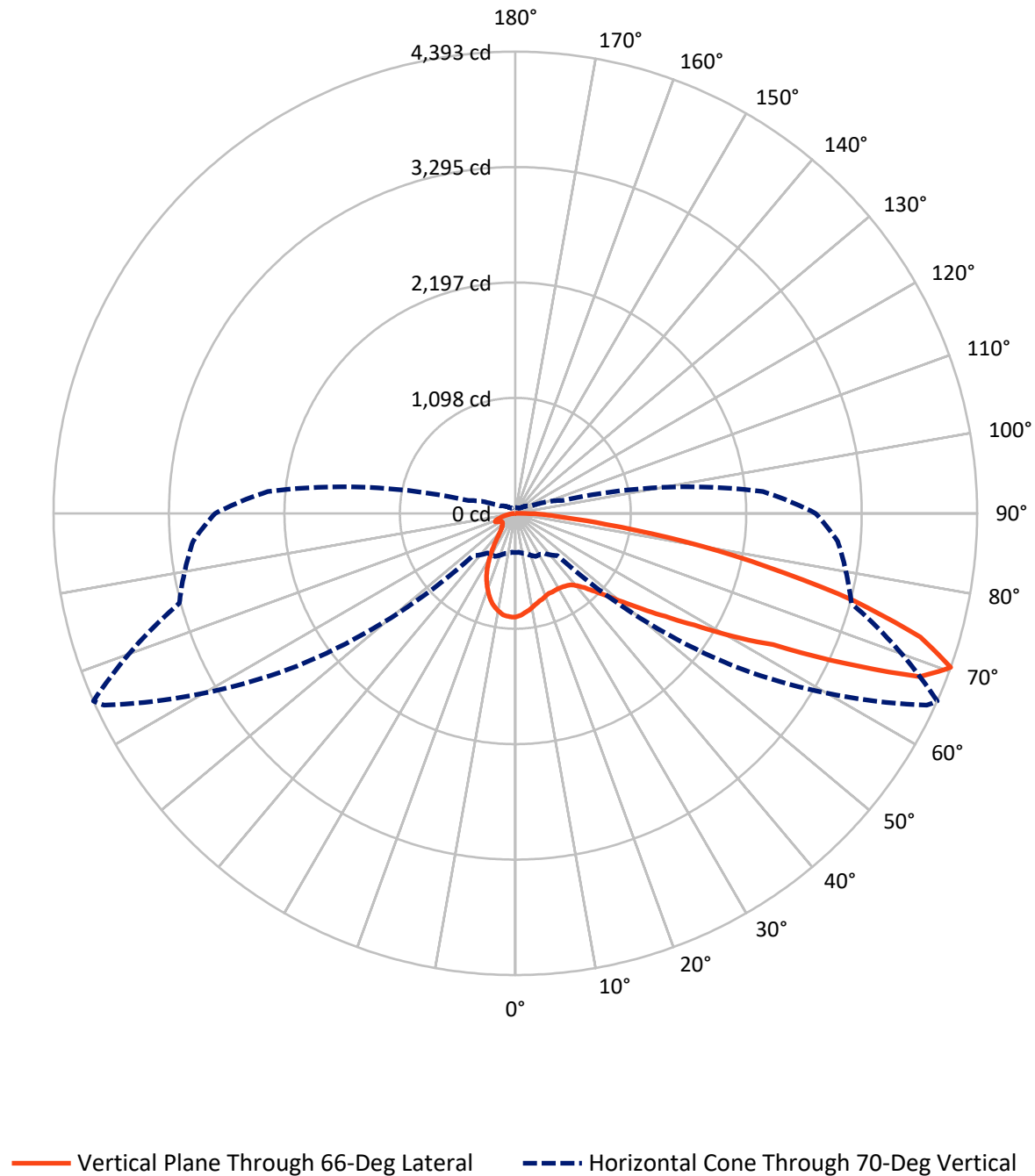
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P675471
CATALOG NUMBER: CCW-SA-2A-835-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P675471

CATALOG NUMBER: CCW-SA-2A-835-U-SL2

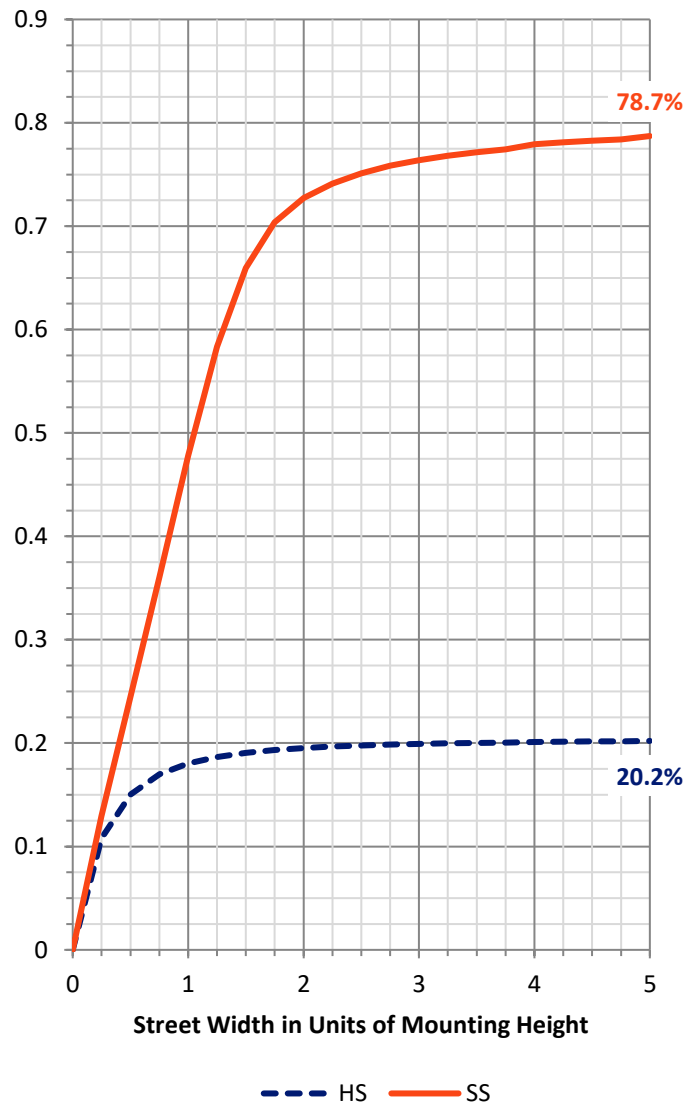
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	913.3	0.0	913.3
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3548.8	0.0	3548.8
	% Fixture	79.5	0.0	79.5
Total	Lumens	4462.1	0.0	4462.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	2.0
10°-20°	214.6	4.8
20°-30°	294.7	6.6
30°-40°	395.1	8.9
40°-50°	573.3	12.8
50°-60°	871.4	19.5
60°-70°	1076.2	24.1
70°-80°	800.3	17.9
80°-90°	149.3	3.3
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°	4462.1	100.0
0°-180°	4462.1	100.0

Coefficient of Utilization



REPORT NUMBER: P675471

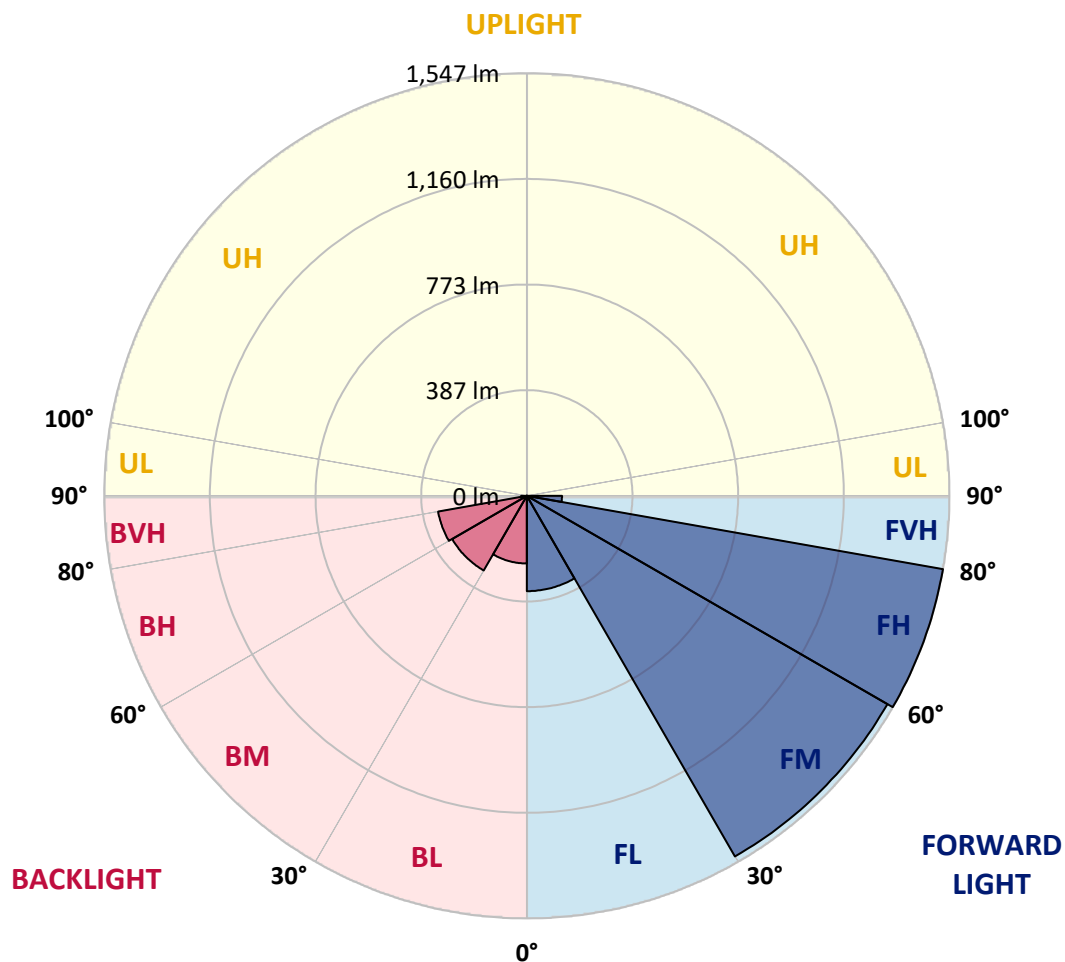
CATALOG NUMBER: CCW-SA-2A-835-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	348.9	7.8			
FM	(30°-60°)	1524.3	34.2			
FH	(60°-80°)	1546.9	34.7			G1/1800
FVH	(80°-90°)	128.7	2.9			G2/225
BL	(0°-30°)	247.5	5.5	B1/500		
BM	(30°-60°)	315.5	7.1	B1/1000		
BH	(60°-80°)	329.7	7.4	B1/500		G1/500
BVH	(80°-90°)	20.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



REPORT NUMBER: P675471

CATALOG NUMBER: CCW-SA-2A-835-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8
2.5°	937.7	942.7	944.3	947.7	956.0	962.6	972.5	977.5	972.5	979.2	979.2
5°	873.0	866.3	882.9	889.6	899.5	912.8	936.0	954.3	949.3	969.2	985.8
7.5°	818.2	818.2	823.2	838.1	849.7	869.6	894.5	922.8	931.1	957.6	982.5
10°	768.4	775.1	775.1	798.3	804.9	828.2	869.6	904.5	906.2	951.0	985.8
12.5°	741.9	738.5	755.1	761.8	781.7	804.9	838.1	881.3	882.9	931.1	979.2
15°	720.3	723.6	731.9	748.5	766.8	785.0	816.5	856.4	864.7	921.1	975.9
17.5°	721.9	723.6	723.6	735.2	750.2	771.7	801.6	848.1	853.1	907.8	970.9
20°	731.9	725.3	730.2	735.2	745.2	765.1	790.0	829.8	834.8	906.2	982.5
22.5°	753.5	748.5	746.8	745.2	743.5	755.1	786.7	819.9	824.8	897.9	987.5
25°	788.3	786.7	775.1	763.4	755.1	755.1	780.0	828.2	826.5	897.9	990.8
27.5°	829.8	829.8	828.2	806.6	781.7	768.4	785.0	824.8	823.2	897.9	999.1
30°	886.2	886.2	881.3	861.4	816.5	778.4	788.3	821.5	826.5	891.2	992.5
32.5°	947.7	946.0	951.0	932.7	886.2	824.8	808.2	828.2	833.1	897.9	994.1
35°	992.5	1002.4	1019.0	1002.4	956.0	873.0	836.5	841.4	844.8	899.5	1000.8
37.5°	1043.9	1055.5	1078.8	1092.0	1042.3	946.0	881.3	863.0	863.0	921.1	1002.4
40°	1118.6	1107.0	1146.8	1170.0	1150.1	1035.6	951.0	902.8	904.5	949.3	1024.0
42.5°	1173.4	1185.0	1226.5	1268.0	1243.1	1145.1	1027.3	967.6	967.6	990.8	1057.2
45°	1234.8	1248.0	1306.1	1355.9	1374.2	1276.3	1131.9	1060.5	1057.2	1072.1	1116.9
47.5°	1302.8	1321.1	1387.5	1445.5	1493.7	1412.4	1266.3	1173.4	1171.7	1183.3	1216.5
50°	1380.8	1387.5	1442.2	1548.4	1644.7	1593.3	1430.6	1332.7	1324.4	1329.4	1374.2
52.5°	1404.1	1399.1	1462.1	1576.7	1752.6	1814.0	1654.7	1513.6	1510.3	1498.7	1556.7
55°	1319.4	1336.0	1397.4	1543.5	1840.5	2074.5	1900.3	1760.9	1731.0	1699.5	1769.2
57.5°	1150.1	1151.8	1221.5	1394.1	1772.5	2290.3	2316.9	2003.2	2004.8	1920.2	1999.9
60°	894.5	889.6	944.3	1100.3	1578.3	2356.7	2771.6	2389.9	2373.3	2140.9	2214.0
62.5°	645.6	635.6	647.3	738.5	1180.0	2255.4	3218.0	2823.0	2753.3	2366.6	2423.1
65°	531.1	536.1	541.0	546.0	662.2	1860.5	3355.8	3530.0	3437.1	2630.5	2653.8
67.5°	439.8	443.1	464.7	494.6	491.3	1098.7	3196.5	4183.9	4149.1	2957.5	2852.9
70°	373.4	371.8	396.7	451.4	459.7	570.9	2530.9	4318.4	4393.1	3309.3	3078.6
72.5°	298.7	302.1	323.6	396.7	451.4	481.3	1457.2	4029.6	4027.9	3579.8	2957.5
75°	214.1	214.1	244.0	328.6	436.5	476.3	806.6	3271.1	3332.5	3364.1	2565.8
77.5°	141.1	147.7	170.9	245.6	409.9	466.4	511.2	2378.3	2454.6	2516.0	1963.3
80°	96.3	99.6	114.5	170.9	346.9	469.7	418.2	1599.9	1629.8	1389.1	796.6
82.5°	58.1	59.7	76.3	119.5	248.9	446.4	393.3	882.9	864.7	419.9	229.0
85°	31.5	33.2	48.1	79.7	164.3	390.0	386.7	433.2	403.3	154.3	96.3
87.5°	11.6	11.6	21.6	39.8	94.6	267.2	336.9	257.2	240.6	78.0	44.8
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: P675471

CATALOG NUMBER: CCW-SA-2A-835-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8
2.5°	987.5	987.5	987.5	987.5	985.8	979.2	984.2	982.5	972.5	974.2	967.6
5°	984.2	992.5	987.5	980.8	972.5	952.6	946.0	941.0	927.7	922.8	927.7
7.5°	992.5	985.8	982.5	970.9	937.7	919.4	896.2	868.0	848.1	843.1	848.1
10°	990.8	990.8	975.9	942.7	911.1	858.0	828.2	778.4	750.2	741.9	743.5
12.5°	984.2	989.1	965.9	912.8	853.1	788.3	733.6	680.5	630.7	610.7	607.4
15°	990.8	985.8	944.3	876.3	793.3	703.7	624.0	546.0	499.6	469.7	463.0
17.5°	980.8	975.9	916.1	826.5	715.3	600.8	501.2	416.6	370.1	358.5	358.5
20°	992.5	960.9	882.9	766.8	634.0	487.9	375.1	312.0	300.4	300.4	303.7
22.5°	990.8	957.6	854.7	708.7	536.1	368.4	278.8	260.6	262.2	275.5	273.8
25°	980.8	951.0	814.9	643.9	433.2	277.2	230.7	225.7	237.3	252.3	250.6
27.5°	979.2	932.7	778.4	567.6	330.3	219.1	200.8	200.8	212.4	225.7	224.1
30°	969.2	917.8	733.6	481.3	248.9	190.9	184.2	184.2	189.2	195.8	195.8
32.5°	967.6	897.9	683.8	391.7	199.2	172.6	169.3	170.9	170.9	174.3	172.6
35°	954.3	871.3	632.3	303.7	172.6	162.6	159.3	157.7	157.7	156.0	156.0
37.5°	949.3	854.7	579.2	235.7	161.0	154.3	151.0	146.0	144.4	144.4	142.7
40°	954.3	838.1	527.8	190.9	151.0	147.7	142.7	136.1	134.4	134.4	134.4
42.5°	972.5	836.5	474.7	166.0	146.0	141.1	134.4	127.8	126.1	127.8	126.1
45°	1014.0	849.7	423.2	154.3	139.4	134.4	126.1	121.2	119.5	121.2	121.2
47.5°	1082.1	886.2	376.7	147.7	134.4	127.8	119.5	114.5	114.5	114.5	114.5
50°	1194.9	956.0	331.9	142.7	131.1	122.8	114.5	107.9	106.2	106.2	107.9
52.5°	1364.2	1075.4	295.4	139.4	126.1	116.2	107.9	102.9	99.6	97.9	99.6
55°	1568.4	1249.7	283.8	136.1	119.5	111.2	102.9	96.3	92.9	92.9	91.3
57.5°	1787.4	1442.2	303.7	132.8	114.5	104.6	96.3	89.6	86.3	84.6	84.6
60°	2024.8	1669.6	376.7	131.1	109.5	97.9	89.6	84.6	79.7	78.0	78.0
62.5°	2240.5	1875.4	507.8	129.5	106.2	91.3	83.0	76.3	73.0	71.4	71.4
65°	2486.1	2104.4	635.6	136.1	104.6	86.3	76.3	69.7	66.4	64.7	64.7
67.5°	2700.2	2303.6	710.3	152.7	109.5	79.7	68.0	63.1	61.4	59.7	59.7
70°	2856.2	2365.0	476.3	167.6	117.8	74.7	61.4	58.1	54.8	54.8	54.8
72.5°	2647.1	2111.1	282.1	157.7	111.2	69.7	54.8	51.4	49.8	49.8	48.1
75°	2263.7	1797.4	217.4	127.8	89.6	59.7	48.1	44.8	43.2	43.2	41.5
77.5°	1671.3	1287.9	161.0	101.2	69.7	48.1	41.5	39.8	38.2	36.5	36.5
80°	653.9	564.3	109.5	74.7	51.4	38.2	34.9	33.2	31.5	29.9	29.9
82.5°	202.5	170.9	63.1	49.8	36.5	29.9	28.2	26.6	24.9	23.2	23.2
85°	88.0	84.6	41.5	31.5	24.9	19.9	19.9	18.3	16.6	14.9	14.9
87.5°	43.2	41.5	23.2	14.9	13.3	10.0	10.0	8.3	6.6	6.6	6.6
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)