

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: P671081

Luminaire Tested: **CCP-SA-1B-730-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671081
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-730-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T4W
distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3172.6 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

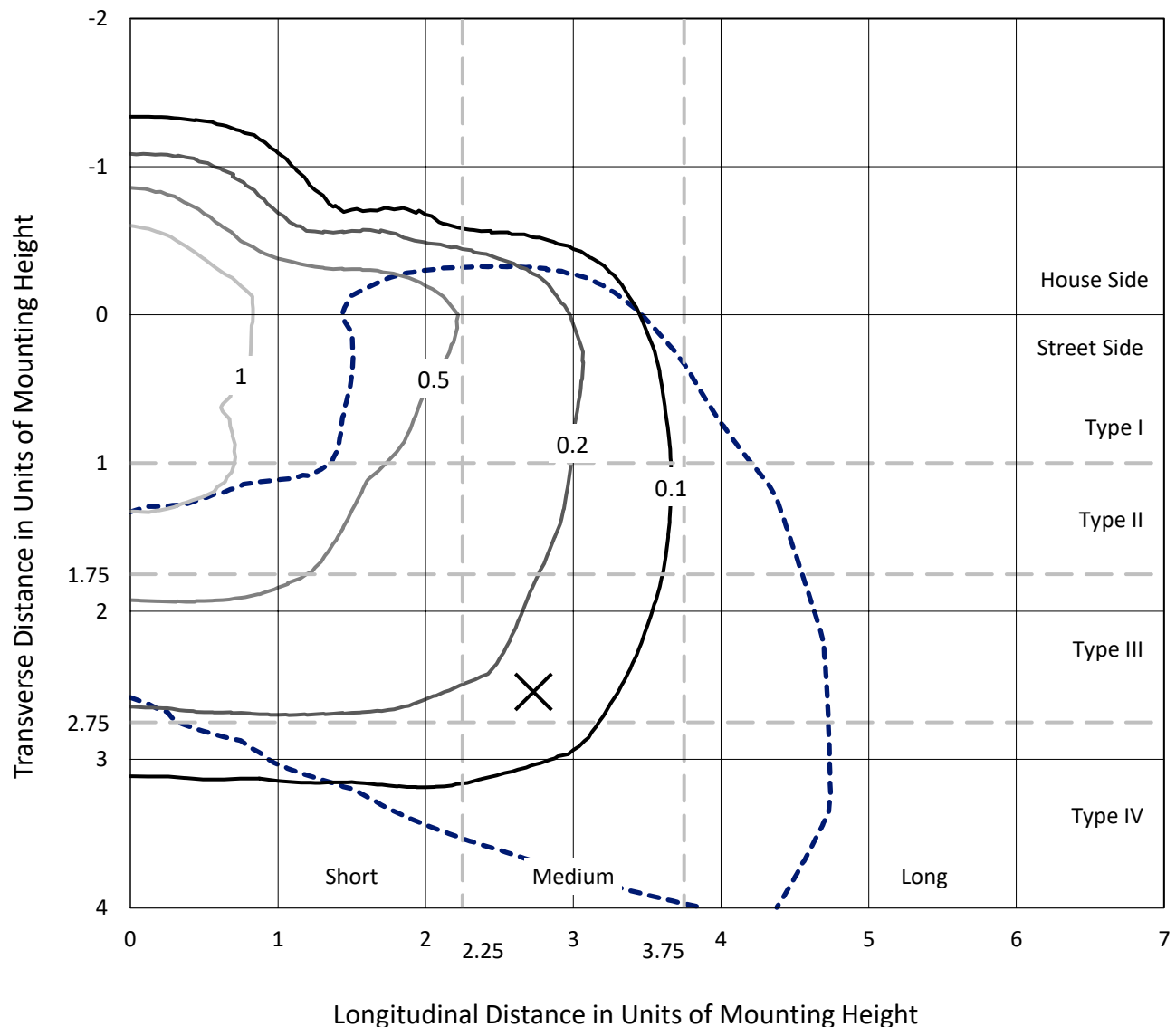
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

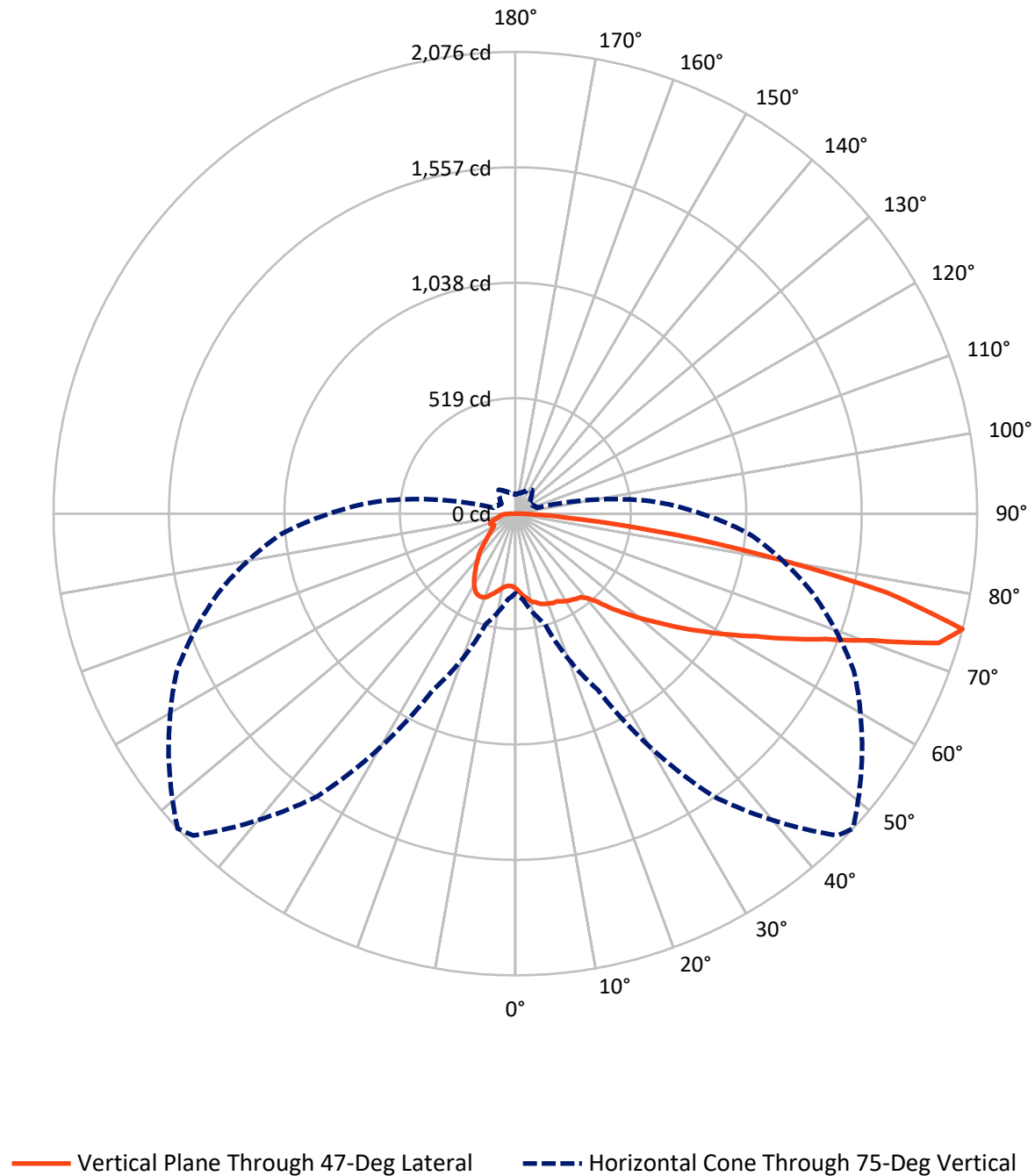
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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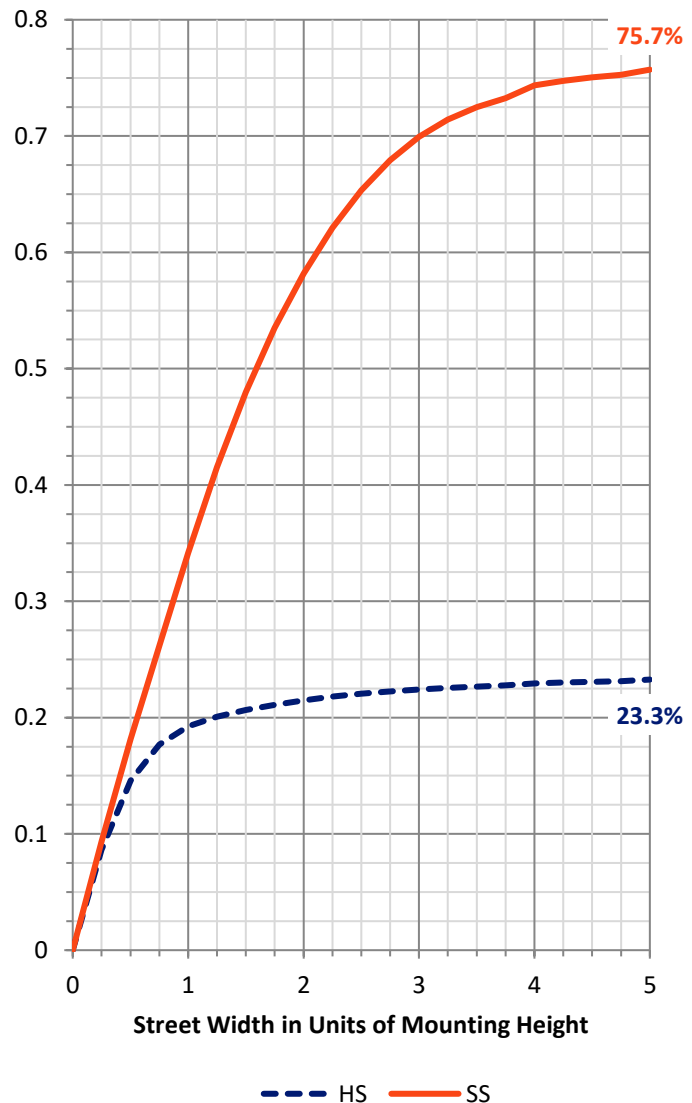
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	758.7	0.0	758.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2413.9	0.0	2413.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	3172.6	0.0	3172.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	1.1
10°-20°	113.1	3.6
20°-30°	193.7	6.1
30°-40°	271.0	8.5
40°-50°	377.9	11.9
50°-60°	564.8	17.8
60°-70°	814.4	25.7
70°-80°	693.2	21.8
80°-90°	110.4	3.5
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°	3172.6	100.0
0°-180°	3172.6	100.0



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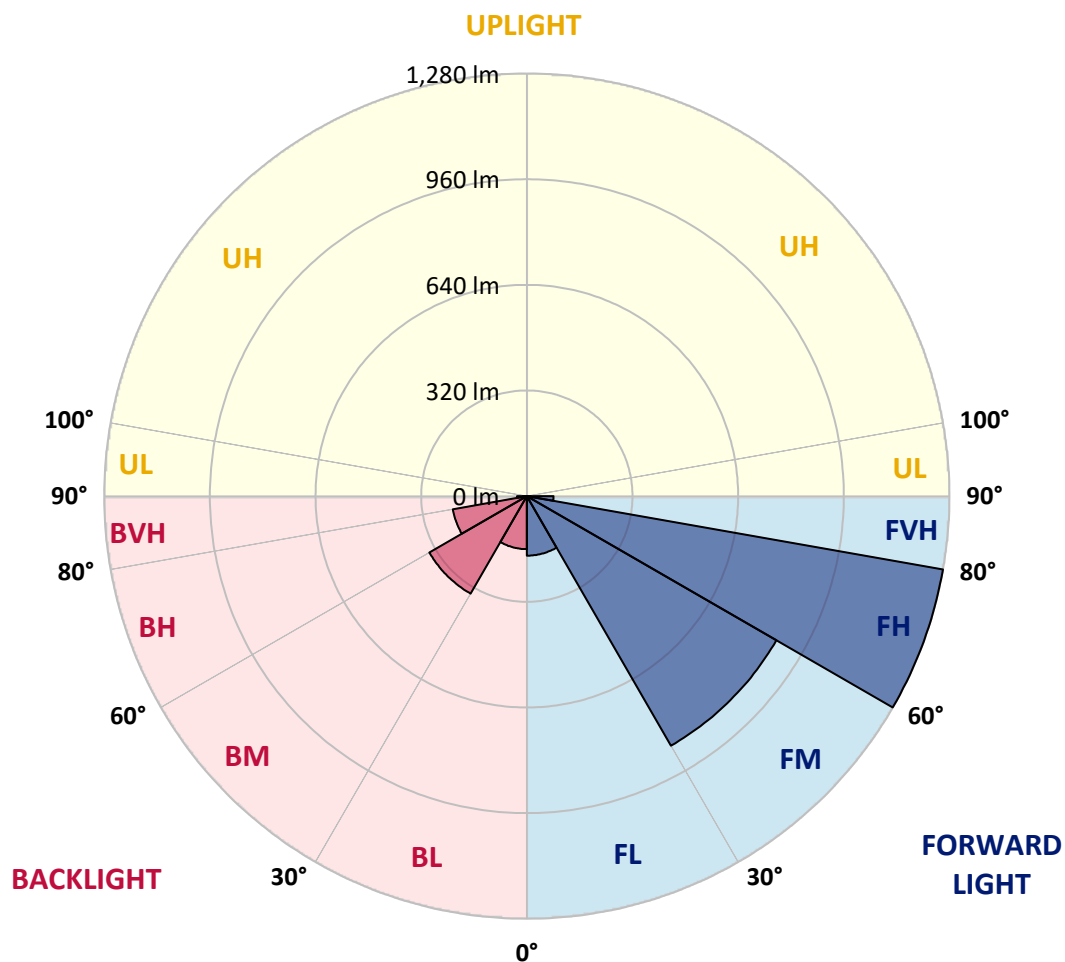
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.3	5.7			
FM	(30°-60°)	872.8	27.5			
FH	(60°-80°)	1280.0	40.3			G1/1800
FVH	(80°-90°)	80.9	2.6			G1/100
BL	(0°-30°)	160.6	5.1	B1/500		
BM	(30°-60°)	341.0	10.7	B1/1000		
BH	(60°-80°)	227.6	7.2	B1/500		G1/500
BVH	(80°-90°)	29.5	0.9			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9
2.5°	361.2	362.3	362.3	360.0	357.7	353.1	353.1	348.4	346.1	340.3	338.0
5°	394.7	391.3	387.8	386.6	380.9	372.7	371.6	367.0	354.2	348.4	340.3
7.5°	419.1	417.9	416.7	412.1	401.7	389.0	385.5	378.5	365.8	354.2	345.0
10°	438.7	443.4	438.7	428.3	417.9	404.0	402.8	390.1	378.5	364.6	353.1
12.5°	460.7	461.9	453.8	441.0	424.8	413.3	408.6	404.0	391.3	379.7	362.3
15°	475.8	473.5	467.7	450.3	431.8	420.2	421.4	415.6	401.7	393.6	375.1
17.5°	475.8	475.8	466.5	453.8	437.6	427.2	427.2	423.7	414.4	402.8	390.1
20°	466.5	466.5	460.7	453.8	435.3	432.9	430.6	428.3	428.3	417.9	399.4
22.5°	454.9	452.6	454.9	443.4	430.6	432.9	436.4	435.3	431.8	422.5	409.8
25°	443.4	444.5	446.8	438.7	427.2	437.6	436.4	442.2	439.9	432.9	422.5
27.5°	442.2	444.5	445.7	437.6	432.9	442.2	446.8	452.6	453.8	446.8	434.1
30°	459.6	458.4	457.3	446.8	443.4	451.5	456.1	464.2	471.1	456.1	445.7
32.5°	504.7	497.8	490.8	463.0	452.6	458.4	463.0	474.6	475.8	467.7	452.6
35°	576.5	571.9	548.7	500.1	471.1	465.4	470.0	478.1	480.4	474.6	463.0
37.5°	658.7	656.4	623.9	564.9	509.3	481.6	476.9	488.5	497.8	485.0	468.8
40°	739.7	730.4	707.3	649.4	558.0	505.9	500.1	505.9	509.3	500.1	489.7
42.5°	812.6	802.2	796.4	738.6	621.6	546.4	541.8	527.9	538.3	526.7	512.8
45°	874.0	871.7	869.4	819.6	694.6	612.4	608.9	573.0	584.6	575.3	555.7
47.5°	918.0	928.4	924.9	897.1	777.9	683.0	672.6	626.3	643.6	634.4	614.7
50°	970.1	975.9	972.4	953.9	855.5	764.0	744.3	696.9	716.6	715.4	705.0
52.5°	1016.4	1033.7	1014.1	1012.9	966.6	852.0	818.4	773.3	805.7	818.4	817.3
55°	1070.8	1084.7	1078.9	1076.6	1066.2	937.7	907.6	853.2	907.6	926.1	942.3
57.5°	1117.1	1115.9	1137.9	1164.6	1177.3	1036.1	1000.2	936.5	1018.7	1039.5	1084.7
60°	1137.9	1157.6	1194.6	1261.8	1297.7	1141.4	1104.4	1053.4	1131.0	1147.2	1230.5
62.5°	1151.8	1169.2	1241.0	1354.4	1375.2	1249.1	1214.3	1163.4	1253.7	1265.3	1389.1
65°	1113.6	1129.8	1272.2	1389.1	1463.2	1364.8	1356.7	1303.5	1376.4	1383.3	1555.8
67.5°	1069.6	1087.0	1245.6	1433.1	1580.1	1518.8	1506.0	1442.4	1497.9	1489.8	1683.2
70°	992.1	1015.2	1177.3	1471.3	1709.8	1734.1	1708.6	1618.3	1624.1	1547.7	1688.9
72.5°	755.9	771.0	921.5	1319.7	1770.0	2032.8	1988.8	1808.2	1742.2	1559.3	1491.0
75°	358.9	386.6	514.0	872.8	1551.2	2046.6	2075.6	1901.9	1679.7	1383.3	1056.9
77.5°	104.2	104.2	156.3	370.4	972.4	1649.6	1704.0	1614.9	1385.7	1024.5	555.7
80°	56.7	60.2	82.2	130.8	427.2	1040.7	1119.4	1070.8	816.1	405.2	143.5
82.5°	32.4	33.6	54.4	78.7	194.5	566.1	612.4	555.7	310.2	122.7	67.1
85°	18.5	19.7	31.3	52.1	115.8	208.4	226.9	196.8	125.0	82.2	33.6
87.5°	9.3	9.3	15.0	24.3	59.0	59.0	57.9	70.6	75.2	49.8	15.0
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°	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9
2.5°	336.9	335.7	335.7	331.1	329.9	326.4	326.4	324.1	323.0	326.4	326.4
5°	338.0	332.2	331.1	326.4	327.6	325.3	329.9	327.6	326.4	326.4	325.3
7.5°	340.3	334.5	329.9	326.4	325.3	328.8	334.5	334.5	341.5	338.0	338.0
10°	346.1	342.7	336.9	334.5	334.5	338.0	345.0	349.6	355.4	355.4	351.9
12.5°	360.0	354.2	347.3	343.8	348.4	351.9	358.9	363.5	370.4	372.7	370.4
15°	370.4	364.6	362.3	360.0	363.5	368.1	373.9	378.5	386.6	389.0	387.8
17.5°	384.3	377.4	376.2	377.4	379.7	383.2	386.6	390.1	395.9	395.9	395.9
20°	391.3	389.0	387.8	391.3	395.9	400.5	398.2	395.9	394.7	397.1	395.9
22.5°	404.0	401.7	402.8	406.3	406.3	404.0	400.5	392.4	390.1	392.4	390.1
25°	415.6	413.3	413.3	410.9	409.8	401.7	394.7	387.8	379.7	383.2	382.0
27.5°	427.2	426.0	426.0	416.7	405.2	391.3	382.0	373.9	369.3	375.1	371.6
30°	441.0	442.2	436.4	414.4	386.6	371.6	361.2	360.0	358.9	362.3	361.2
32.5°	453.8	454.9	445.7	410.9	372.7	343.8	333.4	334.5	340.3	346.1	351.9
35°	460.7	466.5	454.9	399.4	345.0	312.6	301.0	311.4	321.8	329.9	335.7
37.5°	473.5	488.5	468.8	386.6	320.7	284.8	276.7	280.1	292.9	305.6	311.4
40°	492.0	509.3	472.3	362.3	288.2	257.0	252.4	253.5	258.1	266.2	272.0
42.5°	524.4	542.9	475.8	331.1	255.8	239.6	226.9	223.4	219.9	219.9	218.8
45°	571.9	589.2	471.1	291.7	223.4	211.8	202.6	194.5	185.2	170.2	172.5
47.5°	641.3	655.2	474.6	257.0	193.3	184.1	177.1	167.9	154.0	137.8	136.6
50°	746.7	725.8	470.0	221.1	171.3	163.2	157.4	144.7	128.5	116.9	115.8
52.5°	869.4	827.7	465.4	191.0	152.8	145.9	141.2	127.3	112.3	106.5	105.3
55°	1017.5	957.3	472.3	164.4	138.9	133.1	128.5	115.8	104.2	99.6	98.4
57.5°	1192.3	1097.4	510.5	143.5	123.9	121.5	120.4	110.0	99.6	96.1	94.9
60°	1356.7	1231.7	536.0	128.5	110.0	112.3	114.6	110.0	98.4	96.1	96.1
62.5°	1494.5	1342.8	495.5	115.8	103.0	110.0	120.4	116.9	112.3	114.6	112.3
65°	1616.0	1381.0	370.4	108.8	99.6	115.8	133.1	132.0	121.5	123.9	122.7
67.5°	1636.9	1334.7	241.9	103.0	97.2	127.3	149.3	135.4	114.6	114.6	111.1
70°	1550.0	1210.9	162.1	97.2	96.1	127.3	152.8	127.3	107.7	107.7	103.0
72.5°	1272.2	967.8	125.0	91.5	88.0	113.4	144.7	120.4	100.7	98.4	90.3
75°	835.8	623.9	101.9	86.8	76.4	99.6	130.8	111.1	96.1	89.1	85.7
77.5°	409.8	280.1	85.7	76.4	66.0	86.8	119.2	105.3	90.3	83.3	81.0
80°	112.3	100.7	71.8	67.1	55.6	75.2	112.3	100.7	84.5	77.6	74.1
82.5°	63.7	62.5	57.9	54.4	46.3	75.2	113.4	100.7	79.9	78.7	67.1
85°	34.7	37.0	41.7	40.5	35.9	67.1	107.7	88.0	64.8	54.4	54.4
87.5°	13.9	17.4	20.8	23.2	24.3	49.8	81.0	67.1	49.8	41.7	41.7
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)