

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: P671966

Luminaire Tested: **CCP-SA-1A-740-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671966
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-740-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL
distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2760.8 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

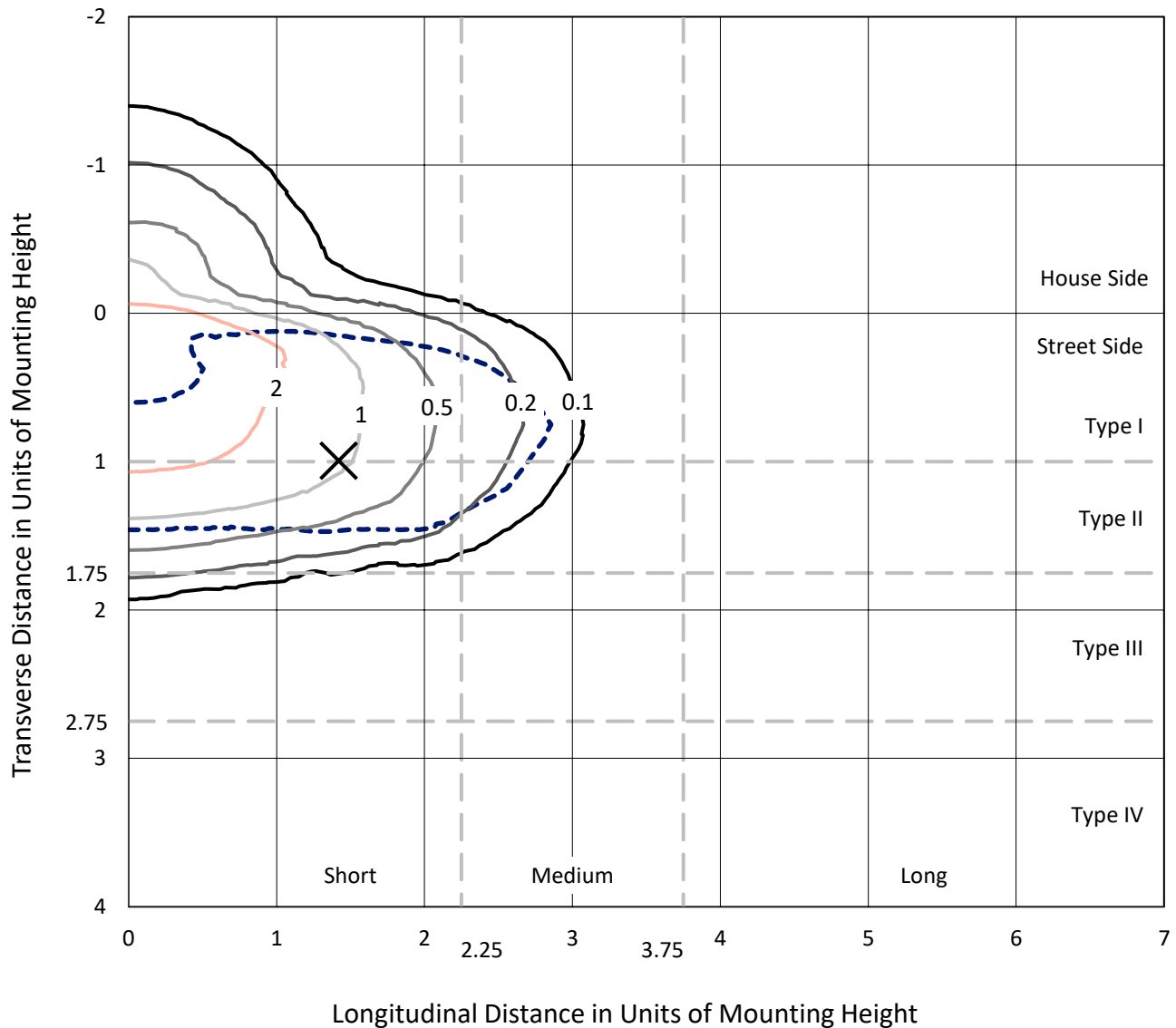
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

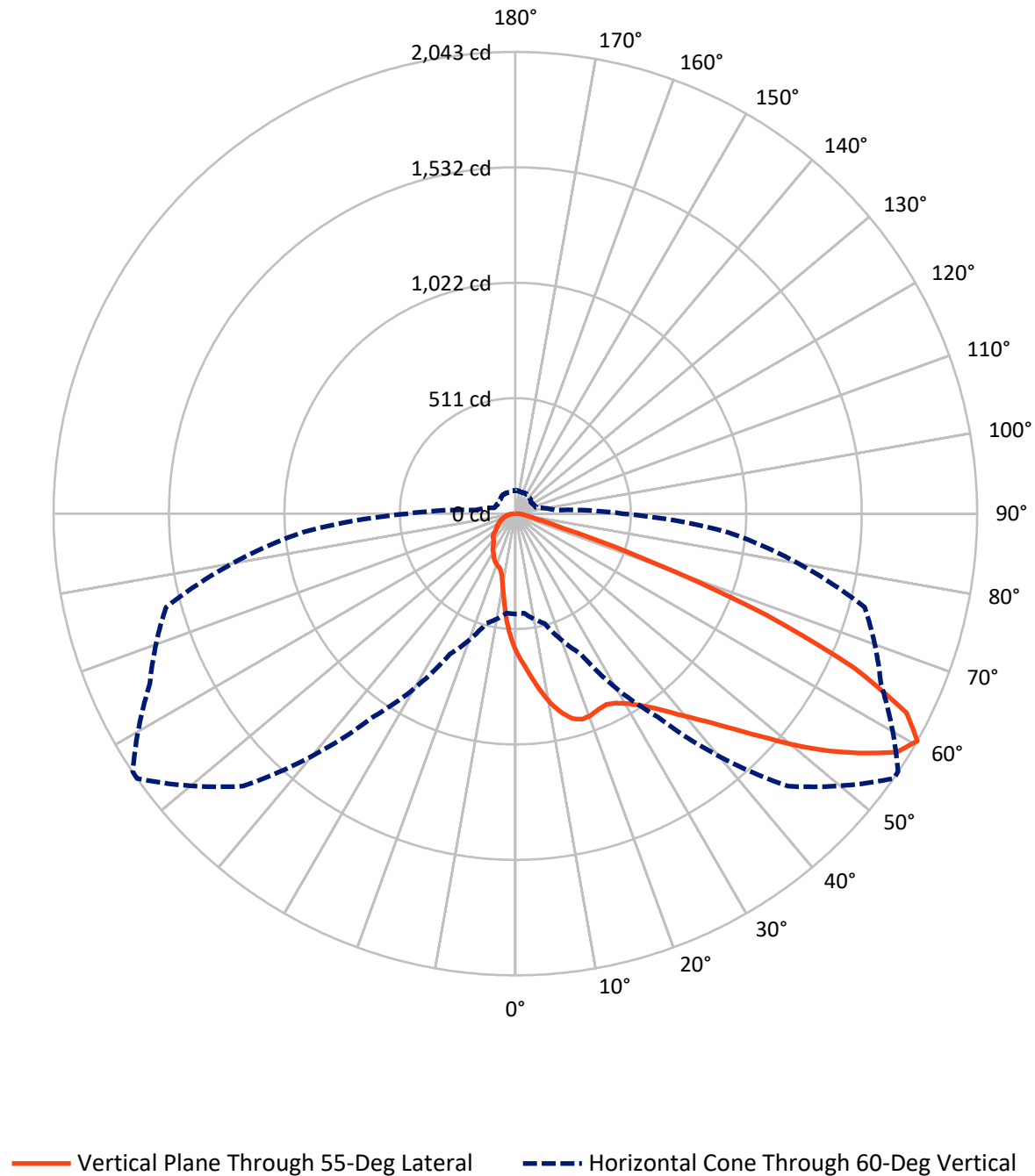
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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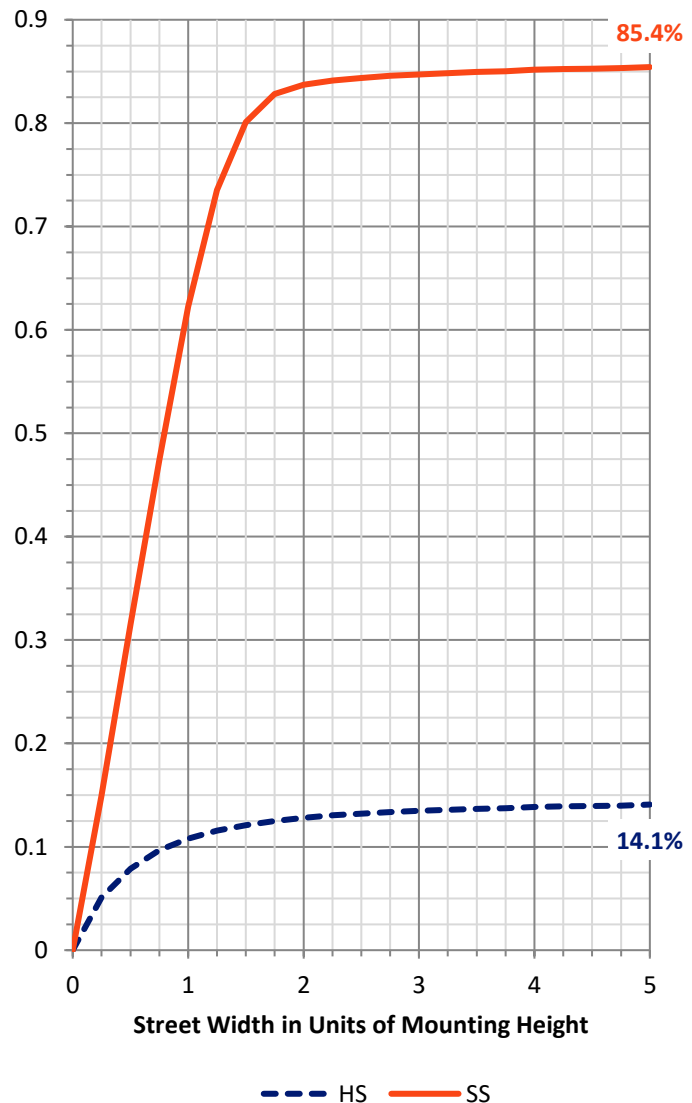
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	396.9	0.0	396.9
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2364.0	0.0	2364.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	2760.8	0.0	2760.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	2.1
10°-20°	162.3	5.9
20°-30°	264.3	9.6
30°-40°	395.1	14.3
40°-50°	580.7	21.0
50°-60°	680.5	24.7
60°-70°	448.7	16.3
70°-80°	142.9	5.2
80°-90°	29.0	1.1
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°	2760.8	100.0
0°-180°	2760.8	100.0



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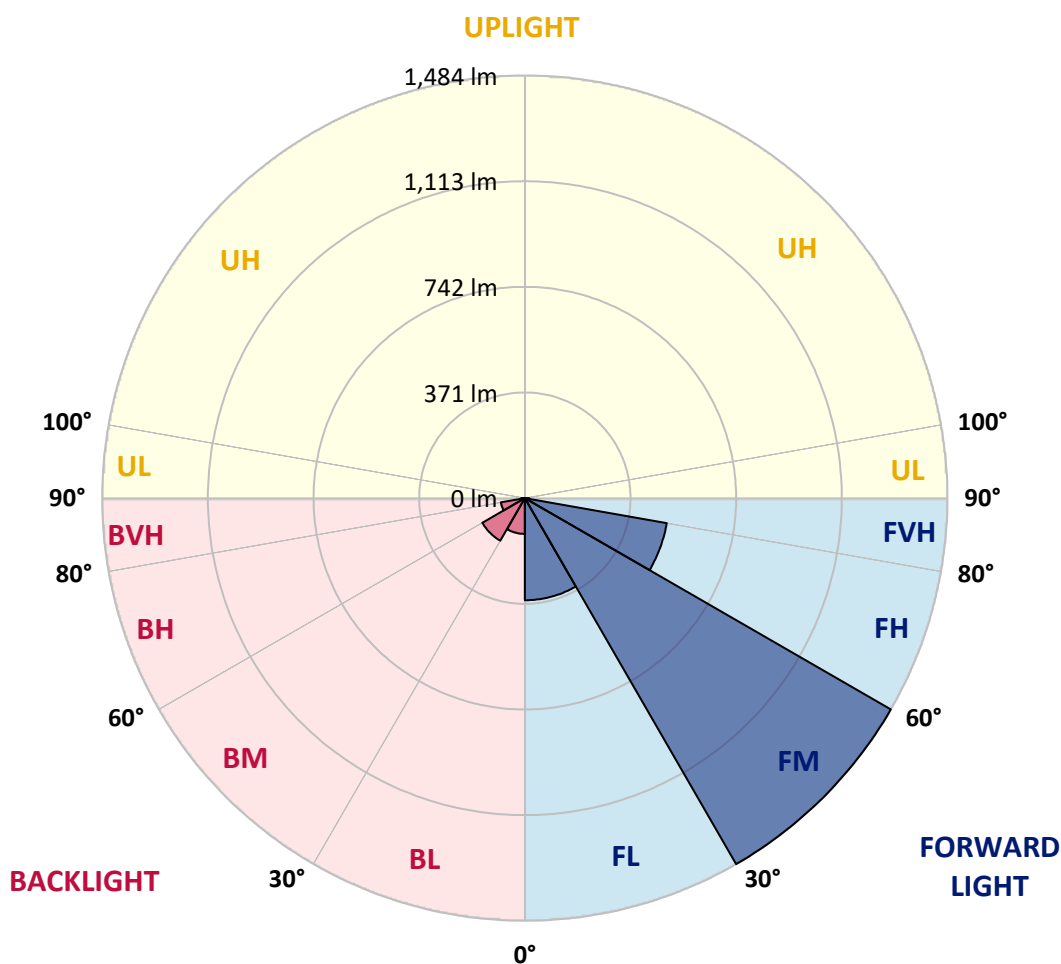
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.3	13.0			
FM	(30°-60°)	1483.7	53.7			
FH	(60°-80°)	505.9	18.3			G0/660
FVH	(80°-90°)	15.9	0.6			G1/100
BL	(0°-30°)	125.6	4.6	B1/500		
BM	(30°-60°)	172.5	6.2	B0/220		
BH	(60°-80°)	85.6	3.1	B0/110		G0/110
BVH	(80°-90°)	13.1	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	612.3	612.3	612.3	612.3	612.3	612.3	612.3	612.3	612.3	612.3	612.3
2.5°	712.5	709.9	709.9	703.3	693.5	679.9	663.7	659.7	653.5	637.7	617.3
5°	821.2	818.4	814.6	803.0	784.8	757.6	723.3	717.1	694.9	662.3	625.5
7.5°	893.0	891.4	890.2	880.2	862.2	835.4	789.6	782.6	745.0	690.9	633.3
10°	885.6	890.4	898.8	905.8	909.4	895.6	852.6	844.4	797.8	724.1	644.9
12.5°	816.2	823.0	838.6	867.2	900.2	926.8	902.4	897.8	854.2	759.4	659.5
15°	764.6	767.4	775.0	796.2	845.4	916.4	941.1	936.9	906.8	804.6	676.3
17.5°	748.6	749.8	751.6	758.6	792.2	875.8	956.9	960.9	957.9	851.6	695.3
20°	756.6	757.4	757.6	758.8	774.8	841.8	952.7	959.5	1002.7	898.6	714.1
22.5°	787.4	786.4	785.0	780.4	789.4	835.8	941.5	952.3	1037.3	941.5	731.6
25°	841.2	839.8	830.0	820.4	824.2	857.4	935.5	947.1	1064.3	981.9	744.4
27.5°	905.2	903.8	893.8	875.6	871.6	893.4	949.5	956.7	1084.1	1017.7	750.0
30°	971.7	971.7	959.3	938.3	925.4	934.7	975.3	981.1	1099.1	1052.3	753.6
32.5°	1044.1	1046.1	1026.9	1002.9	988.7	983.3	1011.5	1016.5	1120.9	1093.1	761.2
35°	1137.1	1132.7	1109.3	1077.7	1054.9	1042.7	1056.3	1062.1	1153.0	1144.0	773.4
37.5°	1241.8	1234.0	1205.2	1167.4	1127.5	1107.1	1116.1	1117.5	1200.4	1210.2	795.6
40°	1328.2	1326.8	1302.4	1266.6	1216.4	1189.0	1184.6	1185.4	1266.2	1288.6	829.2
42.5°	1401.1	1395.9	1391.5	1378.9	1325.6	1280.6	1262.6	1262.8	1337.6	1369.7	863.0
45°	1433.3	1432.3	1445.3	1477.7	1439.5	1386.5	1360.9	1364.5	1419.5	1452.9	895.6
47.5°	1419.5	1420.3	1455.1	1540.1	1562.8	1522.1	1476.7	1474.5	1498.7	1516.7	924.4
50°	1296.2	1309.2	1403.5	1545.9	1643.6	1663.8	1612.6	1604.4	1568.2	1567.6	942.1
52.5°	1203.2	1202.6	1260.4	1486.9	1672.2	1791.7	1745.6	1727.2	1625.6	1596.2	943.5
55°	1077.5	1076.7	1119.7	1314.2	1615.4	1880.9	1871.1	1848.1	1678.2	1605.6	933.8
57.5°	816.0	831.2	874.0	1052.1	1435.3	1866.7	1991.0	1971.7	1729.6	1601.4	932.0
60°	444.0	442.2	504.2	685.7	1098.9	1705.4	2043.2	2042.2	1784.3	1599.8	943.1
62.5°	204.7	202.7	215.1	305.3	630.1	1366.3	1942.3	1956.7	1834.9	1585.2	942.1
65°	153.1	147.9	131.1	142.1	241.1	815.6	1649.8	1688.2	1756.8	1525.1	898.4
67.5°	136.5	131.5	111.9	104.9	121.1	287.7	1196.8	1232.2	1469.1	1412.7	827.8
70°	125.1	120.7	101.0	90.0	90.8	127.5	626.5	696.1	1076.7	1179.0	705.5
72.5°	114.1	110.3	92.4	79.2	76.4	84.2	213.5	257.5	669.7	859.2	526.1
75°	102.4	98.8	83.2	71.0	65.6	62.4	101.6	109.5	354.2	474.4	282.3
77.5°	89.0	87.0	74.2	62.6	58.0	47.2	67.6	71.0	151.7	186.3	134.5
80°	77.4	75.8	66.2	56.8	52.0	36.4	46.6	49.0	74.8	93.0	75.2
82.5°	50.4	54.4	54.8	48.8	45.8	29.2	30.8	32.6	49.6	54.8	32.8
85°	20.8	25.2	37.8	33.6	31.8	24.8	20.4	20.8	30.4	32.0	11.8
87.5°	9.4	10.4	18.6	18.8	16.4	9.4	10.2	11.2	15.6	15.4	5.2
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°	612.3	612.3	612.3	612.3	612.3	612.3	612.3	612.3	612.3	612.3	612.3
2.5°	611.7	602.5	586.1	565.1	550.1	539.1	527.1	518.2	508.4	499.8	501.2
5°	610.3	592.5	555.7	516.6	478.6	447.4	421.4	402.2	382.4	374.6	373.6
7.5°	611.5	581.3	520.9	457.0	399.2	359.4	329.2	310.9	299.5	292.9	293.3
10°	611.1	570.7	483.2	395.2	332.0	295.5	277.1	271.1	270.1	270.9	272.1
12.5°	611.7	556.3	441.0	339.6	283.7	265.1	265.9	271.3	274.7	276.9	278.3
15°	614.3	544.5	397.8	295.7	258.5	259.1	267.7	276.1	281.1	283.5	284.7
17.5°	618.1	529.7	359.4	262.5	247.9	257.1	268.3	277.3	281.1	282.5	283.5
20°	618.5	512.6	320.6	239.7	240.9	252.9	262.7	269.9	274.7	276.3	277.1
22.5°	616.7	489.6	280.7	223.1	232.9	244.9	253.3	261.5	255.1	249.9	248.5
25°	609.1	460.6	246.7	209.5	222.9	234.1	243.7	234.7	231.7	227.7	228.1
27.5°	592.7	424.4	214.7	196.7	211.1	227.1	220.1	218.9	215.1	211.1	211.1
30°	571.1	386.2	187.9	183.3	196.9	204.9	206.5	204.7	202.5	197.3	197.7
32.5°	551.7	345.8	168.9	172.1	187.9	187.9	194.9	194.9	186.9	172.3	172.3
35°	532.5	307.7	154.9	162.7	173.1	176.5	186.1	173.5	162.1	155.5	155.1
37.5°	517.4	275.3	145.7	154.7	158.7	167.3	167.5	158.3	154.5	148.5	147.9
40°	508.6	248.1	140.1	150.7	151.1	159.1	145.9	148.5	147.7	143.1	142.5
42.5°	503.8	227.1	135.9	147.3	145.3	137.5	135.1	139.5	140.9	138.5	137.5
45°	500.0	210.7	132.5	135.5	140.7	126.5	125.5	128.9	131.9	131.7	130.9
47.5°	498.0	199.3	129.5	128.1	129.1	119.9	117.9	119.5	123.3	125.7	125.5
50°	490.2	190.5	125.1	120.5	114.1	114.1	113.1	113.1	117.7	122.5	122.9
52.5°	476.4	180.1	118.7	113.3	105.9	109.1	109.5	108.7	113.5	118.7	119.1
55°	461.2	172.3	110.1	106.7	99.0	104.5	106.3	105.5	108.7	112.3	112.1
57.5°	461.4	172.1	102.6	100.0	92.6	98.6	103.0	103.2	103.0	105.7	105.7
60°	473.0	176.1	96.8	91.2	85.2	92.4	99.6	99.6	98.2	102.0	102.4
62.5°	476.4	175.7	93.2	82.8	78.6	86.8	94.6	95.8	94.8	100.2	100.8
65°	446.4	166.3	89.6	75.2	72.6	80.6	88.4	91.8	90.8	97.8	98.6
67.5°	404.8	154.1	84.0	68.4	66.4	74.6	82.0	85.6	85.4	94.6	95.0
70°	349.0	139.1	77.0	61.4	60.4	67.6	74.2	78.0	79.8	90.4	90.2
72.5°	270.3	119.3	66.4	54.0	53.8	60.4	66.2	70.4	73.8	84.0	84.0
75°	174.3	93.8	54.2	46.8	46.0	52.2	58.2	63.0	73.4	89.6	89.4
77.5°	106.5	71.6	43.6	39.0	38.8	44.4	50.4	58.6	80.2	79.8	77.6
80°	63.8	51.4	34.8	31.2	31.2	36.4	43.0	62.8	66.6	76.0	71.8
82.5°	33.2	31.6	26.0	23.0	24.0	28.6	39.2	50.2	54.4	46.2	42.4
85°	13.6	16.8	16.0	14.6	15.2	19.8	37.8	40.2	32.2	33.8	34.0
87.5°	4.6	7.4	7.4	5.8	6.4	14.0	22.4	13.4	16.2	9.6	7.2
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)