

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: P671514

Luminaire Tested: **CCP-SA-1C-730-U-SL4**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671514
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-730-U-SL4
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL4
distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4034.4 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

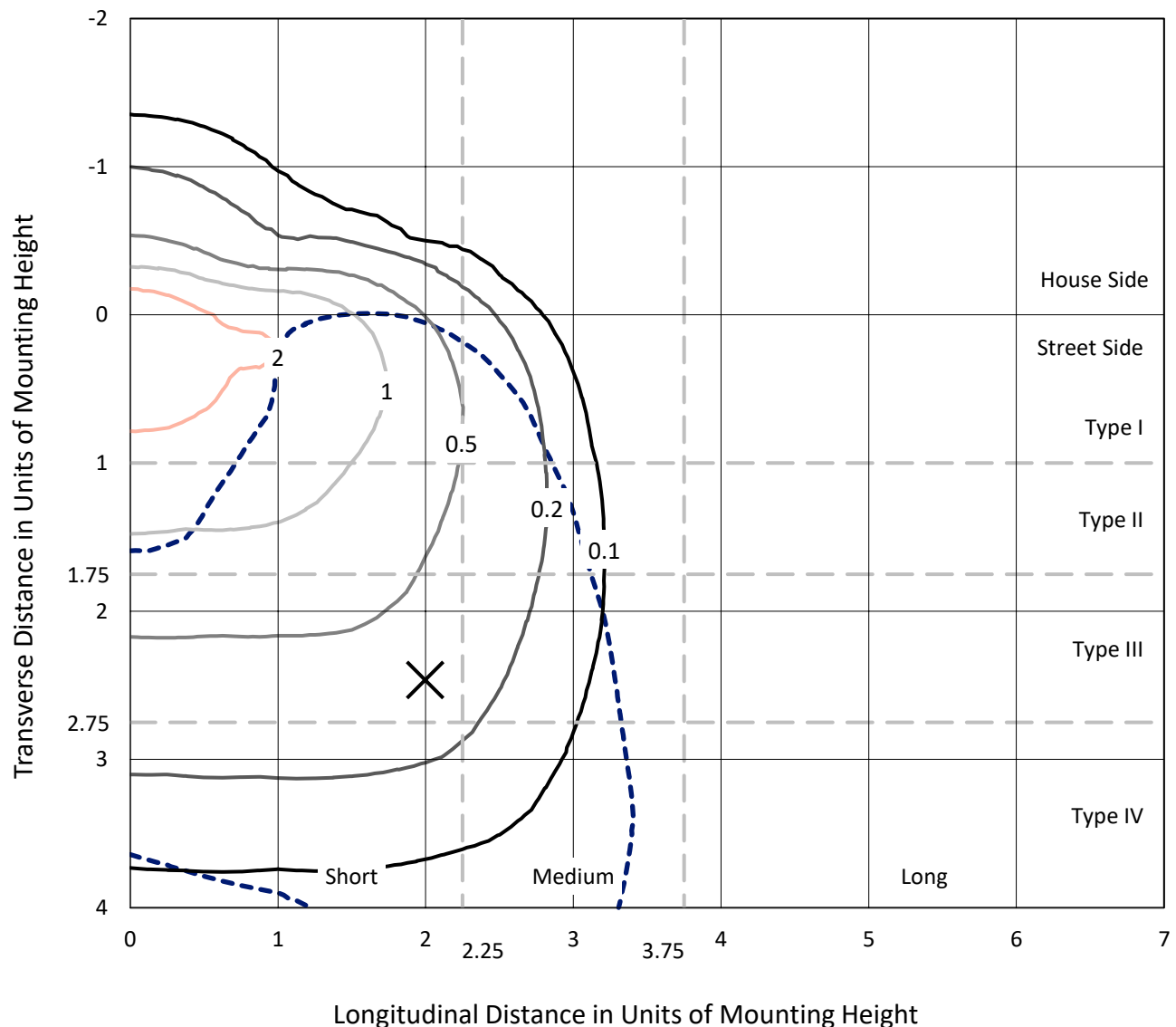
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

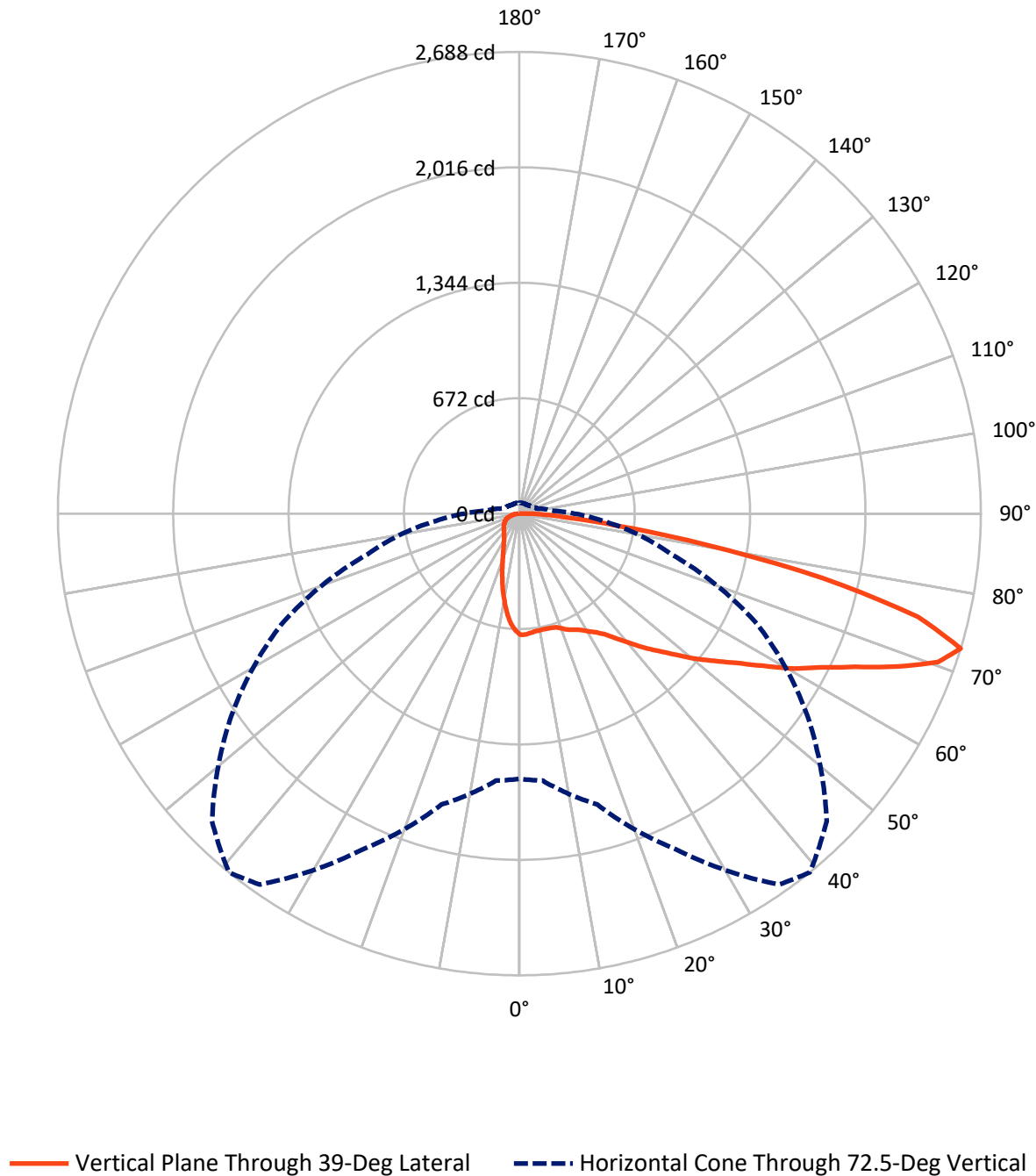
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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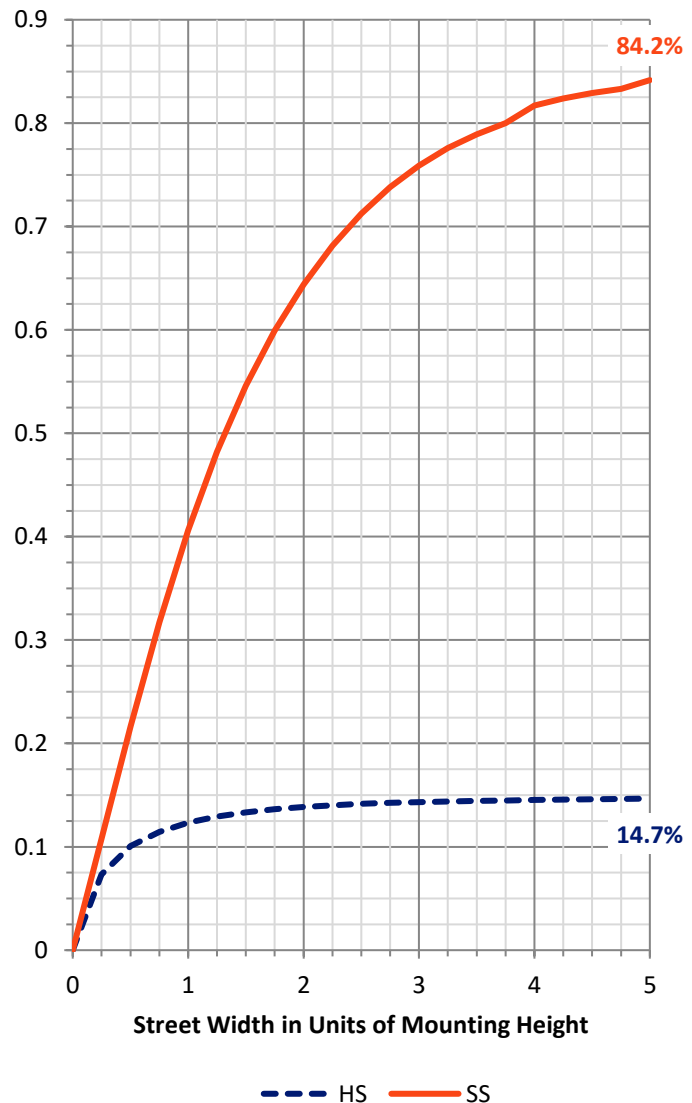
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	599.6	0.0	599.6
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	3434.8	0.0	3434.8
	% Fixture	85.1	0.0	85.1
Total	Lumens	4034.4	0.0	4034.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	1.5
10°-20°	159.3	3.9
20°-30°	242.6	6.0
30°-40°	354.9	8.8
40°-50°	543.4	13.5
50°-60°	797.0	19.8
60°-70°	1016.5	25.2
70°-80°	734.4	18.2
80°-90°	123.9	3.1
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°	4034.4	100.0
0°-180°	4034.4	100.0

Coefficient of Utilization



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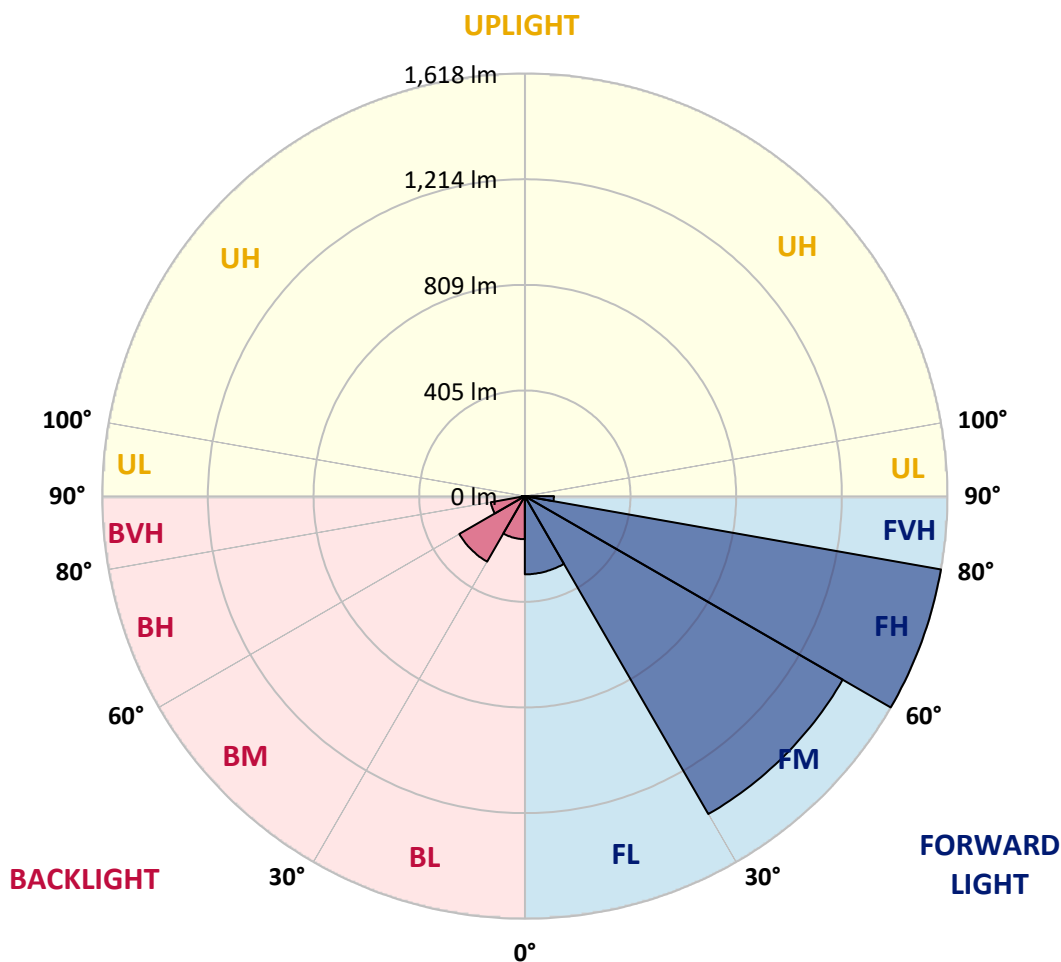
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	299.4	7.4			
FM	(30°-60°)	1405.7	34.8			
FH	(60°-80°)	1618.4	40.1			G1/1800
FVH	(80°-90°)	111.3	2.8			G2/225
BL	(0°-30°)	164.9	4.1	B1/500		
BM	(30°-60°)	289.7	7.2	B1/1000		
BH	(60°-80°)	132.5	3.3	B1/500		G1/500
BVH	(80°-90°)	12.6	0.3			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2
2.5°	716.8	718.3	715.3	712.3	710.7	704.7	710.7	707.7	704.7	704.7	704.7
5°	707.7	709.2	709.2	706.2	707.7	697.1	695.6	697.1	692.6	689.5	688.0
7.5°	694.1	697.1	703.2	701.7	695.6	691.0	692.6	691.0	683.5	678.9	666.8
10°	683.5	686.5	689.5	692.6	691.0	689.5	688.0	682.0	680.4	669.8	657.7
12.5°	672.9	672.9	674.4	686.5	688.0	688.0	678.9	678.9	674.4	672.9	654.7
15°	662.2	666.8	678.9	682.0	688.0	691.0	686.5	686.5	678.9	668.3	654.7
17.5°	665.3	672.9	685.0	692.6	695.6	695.6	701.7	697.1	686.5	680.4	666.8
20°	680.4	682.0	697.1	710.7	713.8	713.8	707.7	703.2	695.6	685.0	666.8
22.5°	689.5	700.1	718.3	725.9	735.0	735.0	727.4	716.8	706.2	695.6	675.9
25°	728.9	730.4	738.0	750.1	754.7	748.6	741.1	728.9	715.3	704.7	686.5
27.5°	756.2	763.8	772.9	778.9	771.4	766.8	760.8	747.1	736.5	727.4	701.7
30°	806.2	797.1	803.2	806.2	792.6	795.6	778.9	766.8	754.7	754.7	725.9
32.5°	836.5	844.1	838.0	836.5	825.9	824.4	813.8	800.2	792.6	801.7	762.3
35°	889.6	885.0	885.0	883.5	871.4	863.8	863.8	839.6	847.1	866.8	818.3
37.5°	916.8	915.3	924.4	932.0	919.9	924.4	919.9	909.3	912.3	947.2	888.1
40°	944.1	954.7	972.9	975.9	983.5	989.6	986.6	985.0	997.2	1053.2	982.0
42.5°	969.9	979.0	1006.3	1030.5	1048.7	1068.4	1069.9	1069.9	1109.3	1189.6	1095.7
45°	1003.2	1010.8	1048.7	1097.2	1127.5	1141.1	1153.3	1166.9	1219.9	1315.4	1216.9
47.5°	1048.7	1054.7	1100.2	1160.8	1219.9	1227.5	1251.8	1266.9	1347.2	1444.2	1341.2
50°	1113.9	1109.3	1145.7	1233.6	1291.2	1327.5	1362.4	1389.7	1468.5	1574.5	1438.2
52.5°	1166.9	1166.9	1194.2	1310.9	1389.7	1424.5	1460.9	1498.8	1589.7	1704.9	1517.0
55°	1257.8	1248.7	1265.4	1386.6	1500.3	1533.6	1603.3	1635.2	1723.1	1801.9	1583.6
57.5°	1320.0	1324.5	1344.2	1486.7	1630.6	1671.5	1741.2	1764.0	1841.3	1903.4	1632.1
60°	1401.8	1386.6	1429.1	1597.3	1774.6	1832.2	1889.8	1903.4	1961.0	1968.6	1654.9
62.5°	1480.6	1477.6	1513.9	1707.9	1929.2	1970.1	2029.2	2044.3	2068.6	2020.1	1623.0
65°	1529.1	1548.8	1617.0	1829.1	2105.0	2150.4	2209.5	2179.2	2151.9	1974.6	1467.0
67.5°	1595.8	1604.9	1709.4	1961.0	2308.0	2376.2	2427.7	2308.0	2105.0	1788.2	1235.1
70°	1610.9	1635.2	1771.6	2098.9	2517.2	2586.9	2589.9	2264.1	1933.7	1454.8	895.6
72.5°	1544.2	1560.9	1753.4	2156.5	2636.9	2688.4	2532.3	2047.4	1532.1	916.8	488.0
75°	1298.7	1345.7	1526.1	1979.2	2417.1	2397.4	2145.9	1562.4	919.9	406.1	206.1
77.5°	904.7	906.2	1094.2	1439.7	1809.4	1804.9	1530.6	906.2	394.0	163.7	121.2
80°	401.6	430.4	544.0	775.9	1098.7	1098.7	892.6	450.1	197.0	106.1	83.3
82.5°	236.4	245.5	291.0	362.2	535.0	563.7	427.4	300.1	134.9	66.7	51.5
85°	174.3	189.4	216.7	218.2	253.1	257.6	236.4	260.7	92.4	36.4	42.4
87.5°	130.3	139.4	172.8	144.0	134.9	127.3	145.5	266.7	34.9	18.2	13.6
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°	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2	706.2
2.5°	698.6	698.6	695.6	689.5	689.5	677.4	680.4	683.5	675.9	675.9	677.4
5°	688.0	682.0	674.4	665.3	659.2	642.5	639.5	628.9	627.4	624.4	619.8
7.5°	666.8	657.7	644.1	630.4	610.7	595.6	577.4	562.2	556.2	551.6	550.1
10°	647.1	645.6	622.8	595.6	565.3	536.5	509.2	489.5	477.4	469.8	468.3
12.5°	647.1	635.0	603.1	565.3	521.3	478.9	444.0	416.7	400.1	388.0	383.4
15°	644.1	631.9	589.5	531.9	481.9	424.3	375.8	347.0	322.8	310.7	312.2
17.5°	647.1	628.9	569.8	507.7	438.0	375.8	318.2	283.4	259.1	250.0	248.5
20°	648.6	625.9	554.7	474.3	392.5	322.8	268.2	234.9	216.7	210.6	210.6
22.5°	645.6	616.8	531.9	434.9	353.1	278.8	233.4	204.6	192.5	184.9	187.9
25°	659.2	615.3	510.7	401.6	307.6	242.5	207.6	186.4	178.8	174.3	175.8
27.5°	662.2	615.3	494.0	363.7	268.2	215.2	187.9	174.3	168.2	165.2	163.7
30°	674.4	618.3	474.3	325.8	236.4	194.0	172.8	165.2	160.6	159.1	159.1
32.5°	707.7	627.4	453.1	294.0	209.1	175.8	162.2	156.1	153.1	151.5	153.1
35°	747.1	651.6	430.4	260.7	189.4	163.7	153.1	148.5	147.0	147.0	147.0
37.5°	807.7	688.0	410.7	233.4	172.8	151.5	144.0	142.5	140.9	142.5	142.5
40°	877.4	727.4	392.5	212.2	160.6	144.0	136.4	136.4	134.9	136.4	137.9
42.5°	957.8	775.9	374.3	190.9	150.0	137.9	131.8	130.3	128.8	131.8	133.4
45°	1068.4	842.6	362.2	178.8	142.5	131.8	125.8	125.8	124.3	124.3	127.3
47.5°	1160.8	906.2	362.2	166.7	137.9	127.3	121.2	121.2	118.2	119.7	119.7
50°	1238.1	960.8	369.8	163.7	131.8	122.8	118.2	115.2	113.7	113.7	113.7
52.5°	1289.6	994.1	375.8	160.6	128.8	116.7	113.7	112.1	109.1	107.6	109.1
55°	1341.2	1016.9	377.3	160.6	124.3	110.6	107.6	107.6	104.6	103.1	103.1
57.5°	1360.9	1007.8	356.1	157.6	121.2	106.1	103.1	101.5	100.0	98.5	98.5
60°	1351.8	974.4	309.2	150.0	118.2	103.1	97.0	97.0	97.0	94.0	95.5
62.5°	1289.6	860.8	248.5	137.9	113.7	97.0	90.9	94.0	94.0	92.4	92.4
65°	1126.0	710.7	201.6	127.3	107.6	92.4	86.4	90.9	92.4	90.9	89.4
67.5°	900.2	547.1	166.7	115.2	100.0	84.9	80.3	84.9	86.4	84.9	84.9
70°	618.3	353.1	134.9	103.1	89.4	77.3	72.7	75.8	75.8	77.3	77.3
72.5°	319.8	190.9	110.6	87.9	77.3	69.7	65.2	65.2	63.6	63.6	63.6
75°	159.1	130.3	92.4	74.3	65.2	59.1	56.1	53.0	53.0	53.0	53.0
77.5°	110.6	100.0	75.8	59.1	53.0	48.5	48.5	43.9	43.9	43.9	43.9
80°	83.3	78.8	57.6	45.5	40.9	37.9	37.9	36.4	36.4	34.9	34.9
82.5°	59.1	63.6	43.9	33.3	30.3	28.8	28.8	27.3	27.3	24.2	24.2
85°	47.0	53.0	33.3	24.2	22.7	19.7	19.7	18.2	18.2	16.7	15.2
87.5°	13.6	28.8	13.6	9.1	9.1	9.1	9.1	7.6	7.6	6.1	6.1
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)