

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: P671219

Luminaire Tested: **CCP-SA-2A-727-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671219
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-727-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL2
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4528.8 lumens
Efficiency: N/A
Efficacy: 125.1 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

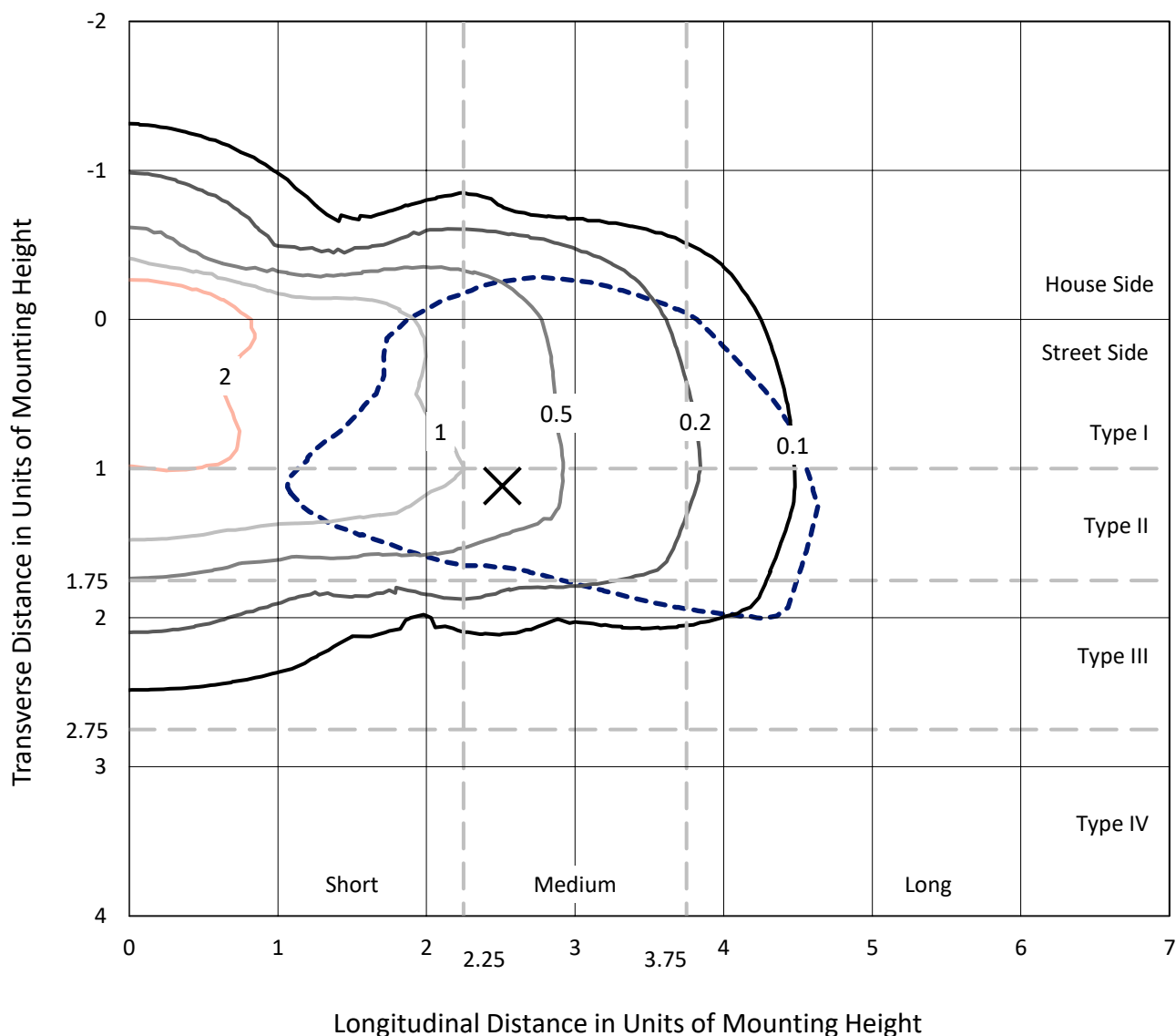
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

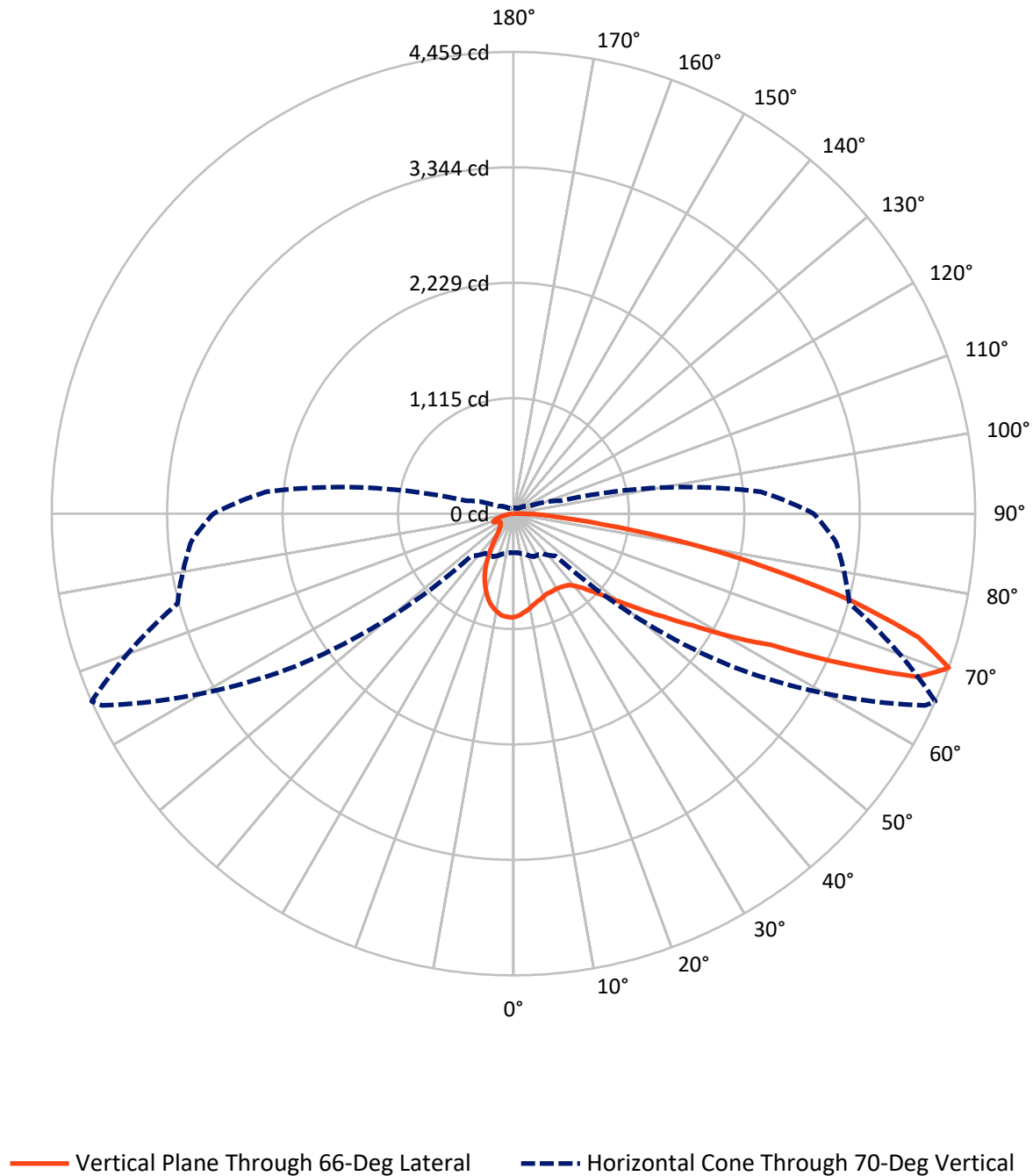


Based on 15 foot mounting height. Maximum calculated value = 4.4 fc

Type III - Medium - N/A

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Luminous Intensity Polar Plot



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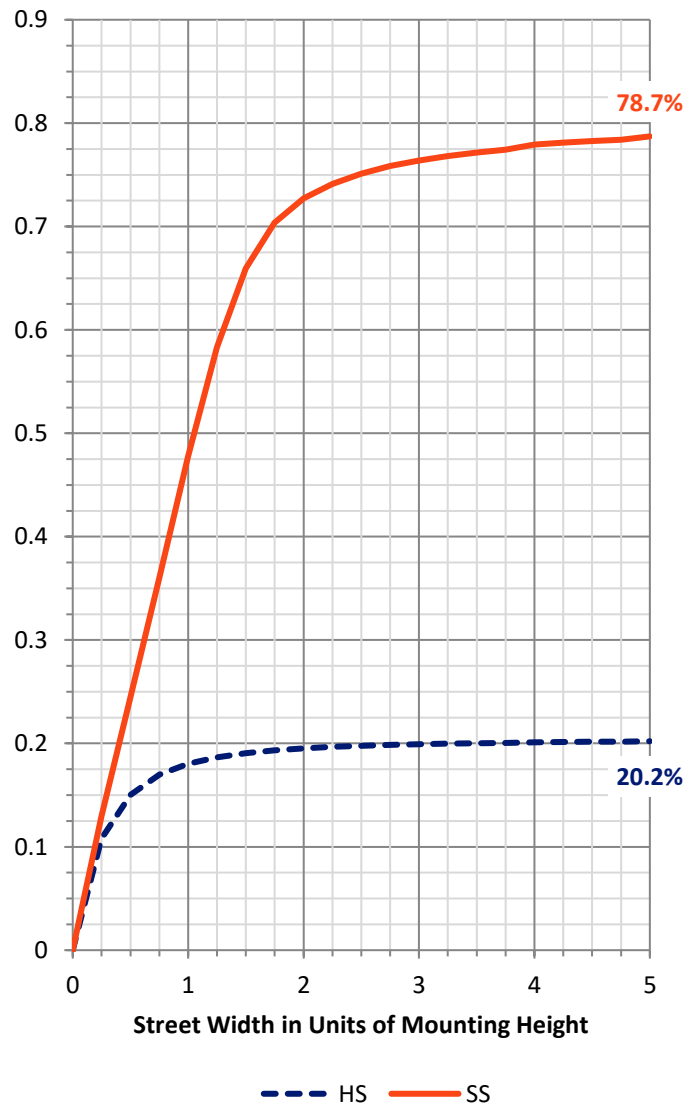
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	927.0	0.0	927.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3601.8	0.0	3601.8
	% Fixture	79.5	0.0	79.5
Total	Lumens	4528.8	0.0	4528.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	2.0
10°-20°	217.8	4.8
20°-30°	299.1	6.6
30°-40°	401.0	8.9
40°-50°	581.9	12.8
50°-60°	884.4	19.5
60°-70°	1092.3	24.1
70°-80°	812.3	17.9
80°-90°	151.5	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°	4528.8	100.0
0°-180°	4528.8	100.0



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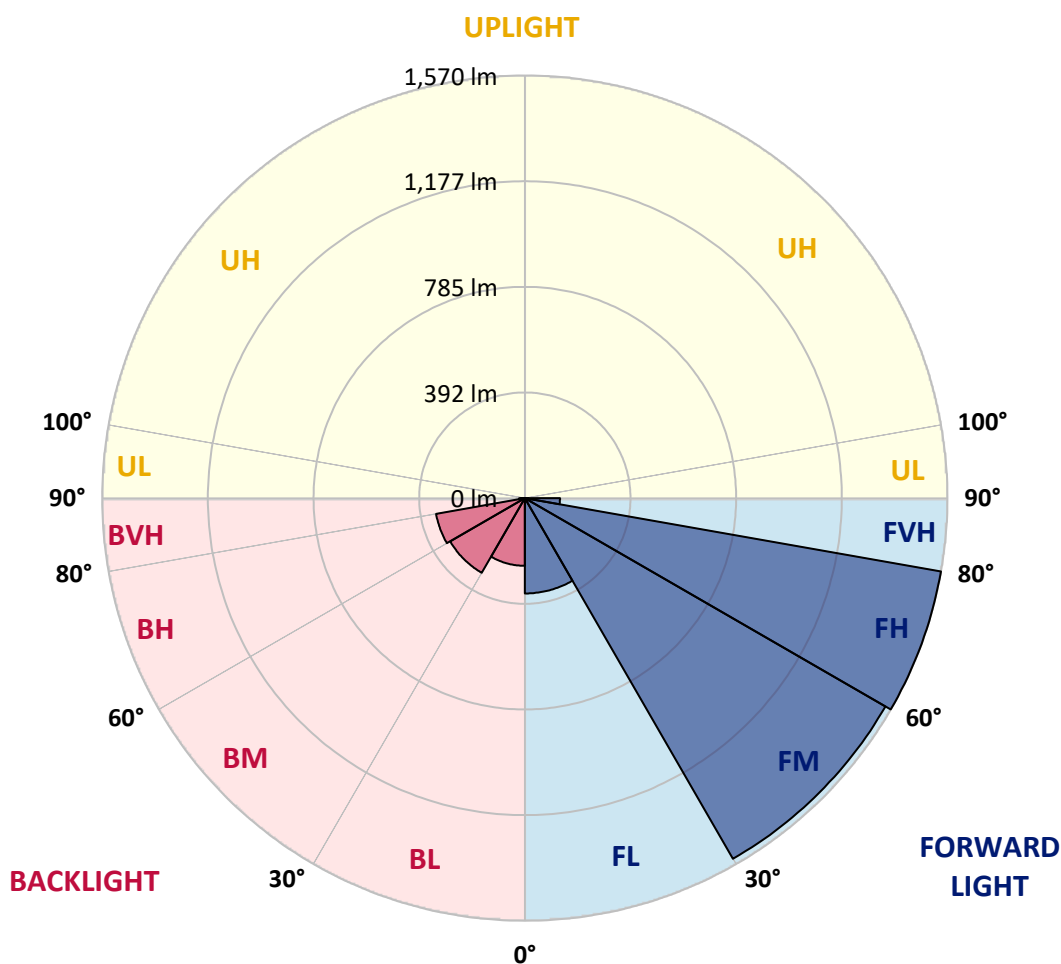
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.1	7.8			
FM	(30°-60°)	1547.1	34.2			
FH	(60°-80°)	1570.0	34.7			G1/1800
FVH	(80°-90°)	130.6	2.9			G2/225
BL	(0°-30°)	251.2	5.5	B1/500		
BM	(30°-60°)	320.2	7.1	B1/1000		
BH	(60°-80°)	334.6	7.4	B1/500		G1/500
BVH	(80°-90°)	20.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5
2.5°	951.7	956.7	958.4	961.8	970.2	977.0	987.1	992.1	987.1	993.8	993.8
5°	886.0	879.3	896.1	902.8	913.0	926.4	950.0	968.5	963.5	983.7	1000.5
7.5°	830.4	830.4	835.5	850.6	862.4	882.6	907.9	936.5	945.0	971.9	997.2
10°	779.9	786.6	786.6	810.2	816.9	840.5	882.6	918.0	919.7	965.2	1000.5
12.5°	752.9	749.6	766.4	773.1	793.4	816.9	850.6	894.4	896.1	945.0	993.8
15°	731.0	734.4	742.8	759.7	778.2	796.7	828.7	869.2	877.6	934.8	990.4
17.5°	732.7	734.4	734.4	746.2	761.4	783.3	813.6	860.7	865.8	921.4	985.4
20°	742.8	736.1	741.1	746.2	756.3	776.5	801.8	842.2	847.3	919.7	997.2
22.5°	764.7	759.7	758.0	756.3	754.6	766.4	798.4	832.1	837.2	911.3	1002.2
25°	800.1	798.4	786.6	774.8	766.4	766.4	791.7	840.5	838.8	911.3	1005.6
27.5°	842.2	842.2	840.5	818.6	793.4	779.9	796.7	837.2	835.5	911.3	1014.0
30°	899.5	899.5	894.4	874.2	828.7	790.0	800.1	833.8	838.8	904.5	1007.3
32.5°	961.8	960.1	965.2	946.6	899.5	837.2	820.3	840.5	845.6	911.3	1009.0
35°	1007.3	1017.4	1034.2	1017.4	970.2	886.0	848.9	854.0	857.4	913.0	1015.7
37.5°	1059.5	1071.3	1094.9	1108.3	1057.8	960.1	894.4	875.9	875.9	934.8	1017.4
40°	1135.3	1123.5	1163.9	1187.5	1167.3	1051.1	965.2	916.3	918.0	963.5	1039.3
42.5°	1190.9	1202.7	1244.8	1286.9	1261.6	1162.2	1042.6	982.0	982.0	1005.6	1073.0
45°	1253.2	1266.7	1325.6	1376.2	1394.7	1295.3	1148.8	1076.3	1073.0	1088.1	1133.6
47.5°	1322.3	1340.8	1408.2	1467.1	1516.0	1433.4	1285.2	1190.9	1189.2	1201.0	1234.7
50°	1401.4	1408.2	1463.8	1571.6	1669.3	1617.0	1452.0	1352.6	1344.2	1349.2	1394.7
52.5°	1425.0	1420.0	1484.0	1600.2	1778.7	1841.1	1679.4	1536.2	1532.8	1521.0	1580.0
55°	1339.1	1356.0	1418.3	1566.5	1868.0	2105.5	1928.6	1787.2	1756.8	1724.8	1795.6
57.5°	1167.3	1169.0	1239.7	1414.9	1798.9	2324.5	2351.4	2033.1	2034.8	1948.9	2029.7
60°	907.9	902.8	958.4	1116.8	1601.9	2391.9	2813.0	2425.6	2408.7	2172.9	2247.0
62.5°	655.2	645.1	656.9	749.6	1197.6	2289.1	3266.1	2865.2	2794.4	2402.0	2459.2
65°	539.0	544.1	549.1	554.2	672.1	1888.2	3405.9	3582.7	3488.4	2669.8	2693.4
67.5°	446.4	449.7	471.6	502.0	498.6	1115.1	3244.2	4246.4	4211.0	3001.6	2895.5
70°	379.0	377.3	402.6	458.2	466.6	579.4	2568.7	4382.8	4458.6	3358.7	3124.6
72.5°	303.2	306.6	328.5	402.6	458.2	488.5	1478.9	4089.7	4088.1	3633.3	3001.6
75°	217.3	217.3	247.6	333.5	443.0	483.4	818.6	3320.0	3382.3	3414.3	2604.1
77.5°	143.2	149.9	173.5	249.3	416.0	473.3	518.8	2413.8	2491.2	2553.6	1992.7
80°	97.7	101.1	116.2	173.5	352.0	476.7	424.5	1623.8	1654.1	1409.9	808.5
82.5°	59.0	60.6	77.5	121.3	252.7	453.1	399.2	896.1	877.6	426.2	232.4
85°	32.0	33.7	48.8	80.9	166.8	395.8	392.5	439.6	409.3	156.7	97.7
87.5°	11.8	11.8	21.9	40.4	96.0	271.2	341.9	261.1	244.2	79.2	45.5
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°	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5	1000.5
2.5°	1002.2	1002.2	1002.2	1002.2	1000.5	993.8	998.9	997.2	987.1	988.7	982.0
5°	998.9	1007.3	1002.2	995.5	987.1	966.9	960.1	955.1	941.6	936.5	941.6
7.5°	1007.3	1000.5	997.2	985.4	951.7	933.2	909.6	880.9	860.7	855.7	860.7
10°	1005.6	1005.6	990.4	956.7	924.7	870.8	840.5	790.0	761.4	752.9	754.6
12.5°	998.9	1003.9	980.3	926.4	865.8	800.1	744.5	690.6	640.1	619.9	616.5
15°	1005.6	1000.5	958.4	889.4	805.1	714.2	633.3	554.2	507.0	476.7	470.0
17.5°	995.5	990.4	929.8	838.8	726.0	609.8	508.7	422.8	375.6	363.8	363.8
20°	1007.3	975.3	896.1	778.2	643.4	495.2	380.7	316.7	304.9	304.9	308.2
22.5°	1005.6	971.9	867.5	719.2	544.1	373.9	283.0	264.5	266.1	279.6	277.9
25°	995.5	965.2	827.0	653.6	439.6	281.3	234.1	229.1	240.9	256.0	254.3
27.5°	993.8	946.6	790.0	576.1	335.2	222.3	203.8	203.8	215.6	229.1	227.4
30°	983.7	931.5	744.5	488.5	252.7	193.7	187.0	187.0	192.0	198.8	198.8
32.5°	982.0	911.3	694.0	397.5	202.1	175.2	171.8	173.5	173.5	176.9	175.2
35°	968.5	884.3	641.8	308.2	175.2	165.1	161.7	160.0	160.0	158.3	158.3
37.5°	963.5	867.5	587.9	239.2	163.4	156.7	153.3	148.2	146.5	146.5	144.9
40°	968.5	850.6	535.6	193.7	153.3	149.9	144.9	138.1	136.4	136.4	136.4
42.5°	987.1	848.9	481.7	168.4	148.2	143.2	136.4	129.7	128.0	129.7	128.0
45°	1029.2	862.4	429.5	156.7	141.5	136.4	128.0	123.0	121.3	123.0	123.0
47.5°	1098.2	899.5	382.4	149.9	136.4	129.7	121.3	116.2	116.2	116.2	116.2
50°	1212.8	970.2	336.9	144.9	133.1	124.6	116.2	109.5	107.8	107.8	109.5
52.5°	1384.6	1091.5	299.8	141.5	128.0	117.9	109.5	104.4	101.1	99.4	101.1
55°	1591.8	1268.4	288.0	138.1	121.3	112.9	104.4	97.7	94.3	94.3	92.6
57.5°	1814.1	1463.8	308.2	134.8	116.2	106.1	97.7	91.0	87.6	85.9	85.9
60°	2055.0	1694.5	382.4	133.1	111.2	99.4	91.0	85.9	80.9	79.2	79.2
62.5°	2274.0	1903.4	515.4	131.4	107.8	92.6	84.2	77.5	74.1	72.4	72.4
65°	2523.2	2135.8	645.1	138.1	106.1	87.6	77.5	70.7	67.4	65.7	65.7
67.5°	2740.5	2338.0	720.9	155.0	111.2	80.9	69.1	64.0	62.3	60.6	60.6
70°	2898.9	2400.3	483.4	170.1	119.6	75.8	62.3	59.0	55.6	55.6	55.6
72.5°	2686.6	2142.6	286.3	160.0	112.9	70.7	55.6	52.2	50.5	50.5	48.8
75°	2297.5	1824.2	220.7	129.7	91.0	60.6	48.8	45.5	43.8	43.8	42.1
77.5°	1696.2	1307.1	163.4	102.7	70.7	48.8	42.1	40.4	38.7	37.1	37.1
80°	663.7	572.7	111.2	75.8	52.2	38.7	35.4	33.7	32.0	30.3	30.3
82.5°	205.5	173.5	64.0	50.5	37.1	30.3	28.6	27.0	25.3	23.6	23.6
85°	89.3	85.9	42.1	32.0	25.3	20.2	20.2	18.5	16.8	15.2	15.2
87.5°	43.8	42.1	23.6	15.2	13.5	10.1	10.1	8.4	6.7	6.7	6.7
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)