

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: P675250

Luminaire Tested: **CCW-SA-2A-730-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675250
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-730-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T4W distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5026.4 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

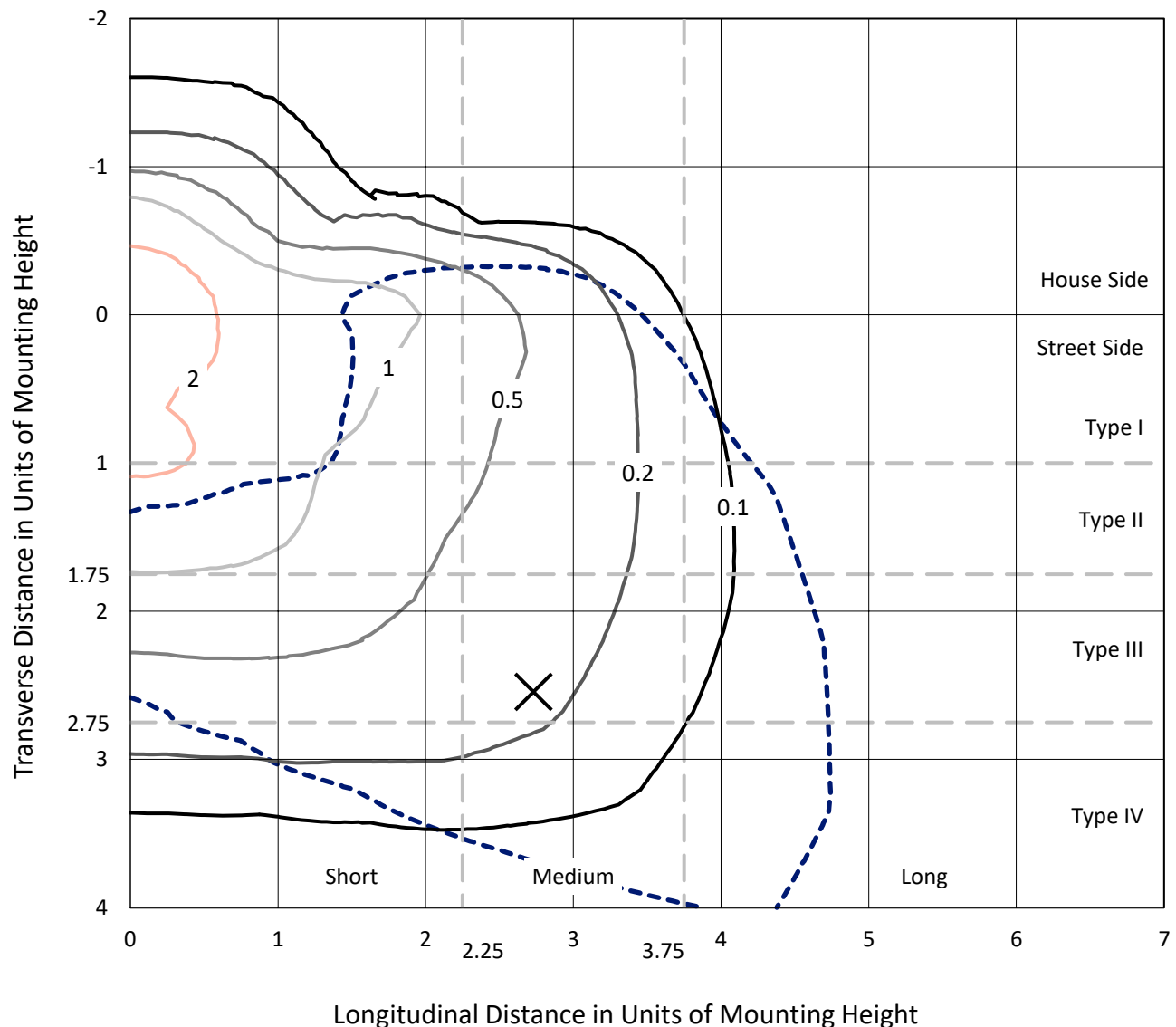
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

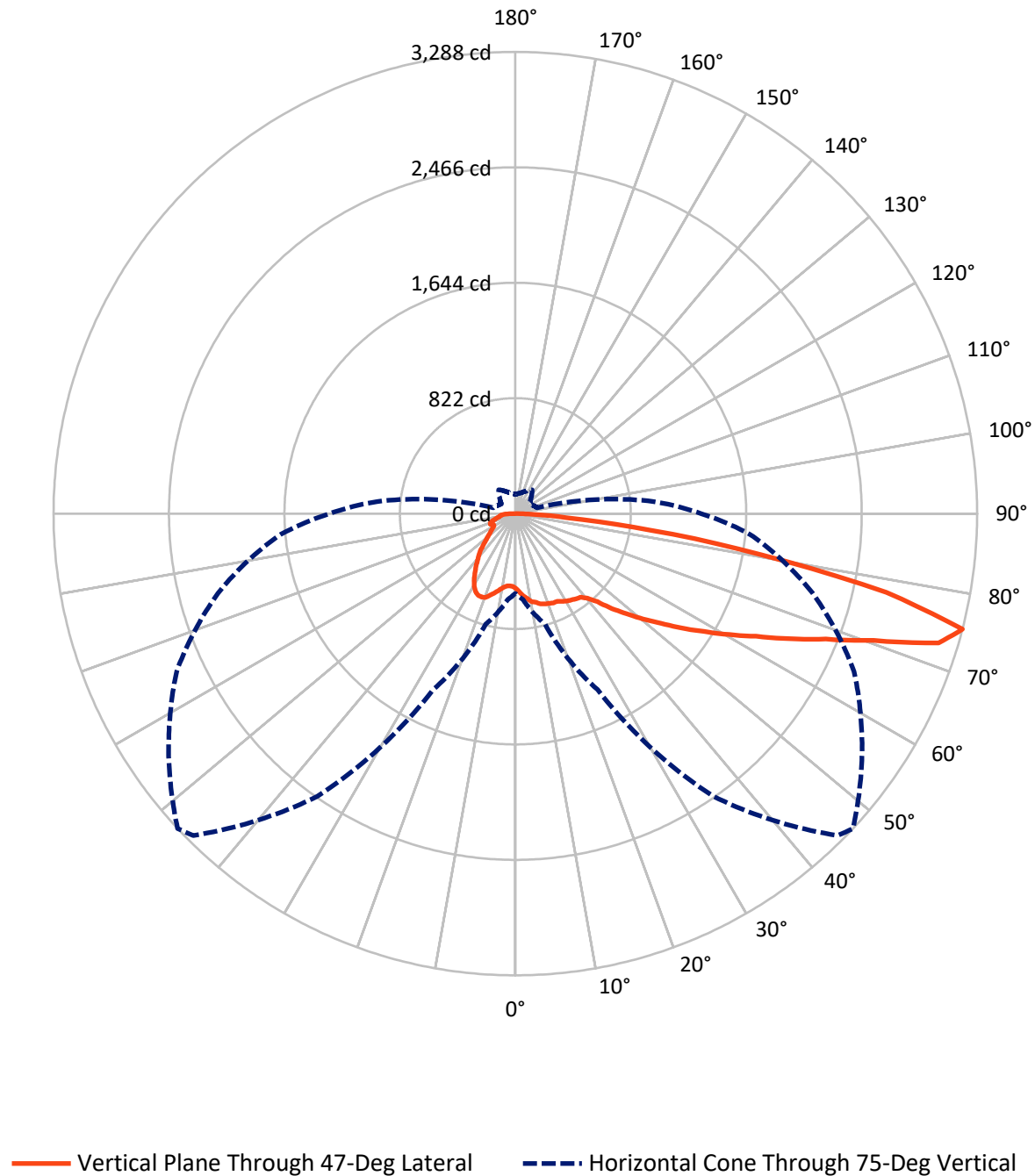
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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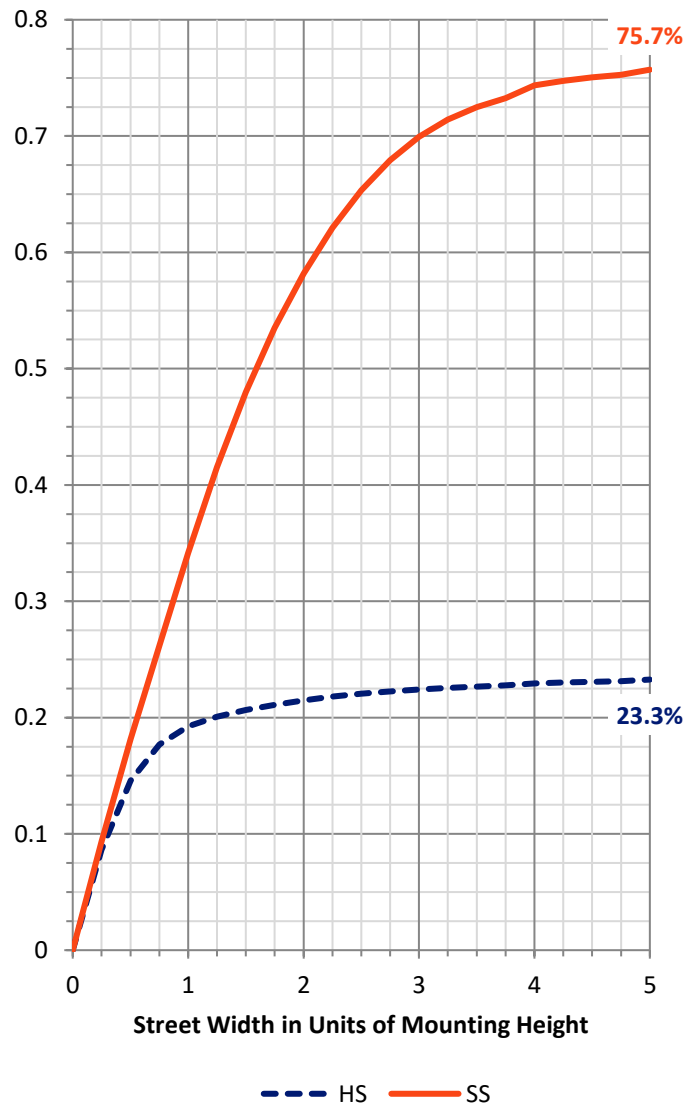
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1202.1	0.0	1202.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3824.4	0.0	3824.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	5026.4	0.0	5026.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	1.1
10°-20°	179.2	3.6
20°-30°	306.9	6.1
30°-40°	429.4	8.5
40°-50°	598.7	11.9
50°-60°	894.9	17.8
60°-70°	1290.2	25.7
70°-80°	1098.3	21.8
80°-90°	175.0	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°	5026.4	100.0
0°-180°	5026.4	100.0

Coefficient of Utilization



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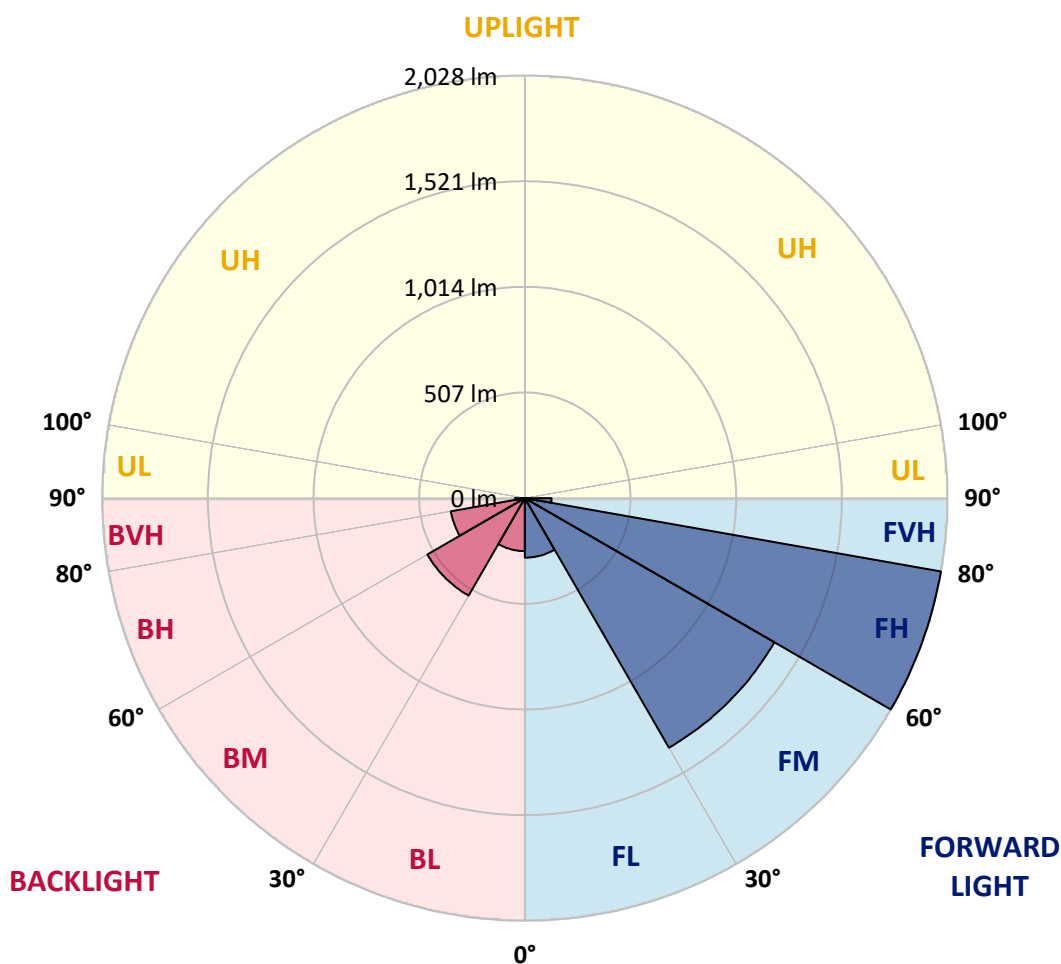
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.6	5.7			
FM	(30°-60°)	1382.7	27.5			
FH	(60°-80°)	2027.9	40.3			G2/5000
FVH	(80°-90°)	128.2	2.6			G2/225
BL	(0°-30°)	254.4	5.1	B1/500		
BM	(30°-60°)	540.3	10.7	B1/1000		
BH	(60°-80°)	360.6	7.2	B1/500		G1/500
BVH	(80°-90°)	46.8	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-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7
2.5°	572.2	574.0	574.0	570.4	566.7	559.4	559.4	552.0	548.4	539.2	535.5
5°	625.4	619.9	614.4	612.6	603.4	590.6	588.7	581.4	561.2	552.0	539.2
7.5°	663.9	662.1	660.2	652.9	636.4	616.2	610.7	599.7	579.6	561.2	546.5
10°	695.1	702.4	695.1	678.6	662.1	640.1	638.2	618.1	599.7	577.7	559.4
12.5°	729.9	731.8	718.9	698.8	673.1	654.7	647.4	640.1	619.9	601.6	574.0
15°	753.8	750.1	740.9	713.4	684.1	665.8	667.6	658.4	636.4	623.6	594.2
17.5°	753.8	753.8	739.1	718.9	693.3	676.8	676.8	671.3	656.6	638.2	618.1
20°	739.1	739.1	729.9	718.9	689.6	685.9	682.3	678.6	678.6	662.1	632.7
22.5°	720.8	717.1	720.8	702.4	682.3	685.9	691.4	689.6	684.1	669.4	649.2
25°	702.4	704.3	707.9	695.1	676.8	693.3	691.4	700.6	696.9	685.9	669.4
27.5°	700.6	704.3	706.1	693.3	685.9	700.6	707.9	717.1	718.9	707.9	687.8
30°	728.1	726.3	724.4	707.9	702.4	715.3	722.6	735.4	746.4	722.6	706.1
32.5°	799.6	788.6	777.6	733.6	717.1	726.3	733.6	751.9	753.8	740.9	717.1
35°	913.3	906.0	869.3	792.3	746.4	737.3	744.6	757.5	761.1	751.9	733.6
37.5°	1043.6	1039.9	988.5	895.0	807.0	763.0	755.6	774.0	788.6	768.5	742.8
40°	1171.9	1157.3	1120.6	1028.9	884.0	801.5	792.3	801.5	807.0	792.3	775.8
42.5°	1287.5	1271.0	1261.8	1170.1	984.9	865.7	858.3	836.3	852.8	834.5	812.5
45°	1384.7	1381.0	1377.4	1298.5	1100.4	970.2	964.7	907.8	926.2	911.5	880.3
47.5°	1454.4	1470.9	1465.4	1421.4	1232.5	1082.1	1065.6	992.2	1019.7	1005.0	973.9
50°	1536.9	1546.1	1540.6	1511.2	1355.3	1210.5	1179.3	1104.1	1135.3	1133.4	1116.9
52.5°	1610.3	1637.8	1606.6	1604.8	1531.4	1349.8	1296.7	1225.1	1276.5	1296.7	1294.8
55°	1696.5	1718.5	1709.3	1705.6	1689.1	1485.6	1437.9	1351.7	1437.9	1467.2	1492.9
57.5°	1769.8	1768.0	1802.8	1845.0	1865.2	1641.5	1584.6	1483.7	1613.9	1647.0	1718.5
60°	1802.8	1834.0	1892.7	1999.1	2055.9	1808.3	1749.7	1669.0	1791.8	1817.5	1949.6
62.5°	1824.9	1852.4	1966.1	2145.8	2178.8	1978.9	1923.9	1843.2	1986.2	2004.6	2200.8
65°	1764.3	1790.0	2015.6	2200.8	2318.2	2162.3	2149.5	2065.1	2180.7	2191.7	2464.9
67.5°	1694.6	1722.1	1973.4	2270.5	2503.4	2406.2	2386.1	2285.2	2373.2	2360.4	2666.7
70°	1571.8	1608.4	1865.2	2331.0	2708.9	2747.4	2707.0	2564.0	2573.1	2452.1	2675.8
72.5°	1197.6	1221.5	1459.9	2090.8	2804.2	3220.5	3150.9	2864.7	2760.2	2470.4	2362.2
75°	568.5	612.6	814.3	1382.9	2457.6	3242.6	3288.4	3013.3	2661.2	2191.7	1674.5
77.5°	165.1	165.1	247.6	586.9	1540.6	2613.5	2699.7	2558.5	2195.3	1623.1	880.3
80°	89.9	95.4	130.2	207.2	676.8	1648.8	1773.5	1696.5	1293.0	641.9	227.4
82.5°	51.4	53.2	86.2	124.7	308.1	896.8	970.2	880.3	491.5	194.4	106.4
85°	29.3	31.2	49.5	82.5	183.4	330.1	359.5	311.8	198.1	130.2	53.2
87.5°	14.7	14.7	23.8	38.5	93.5	93.5	91.7	111.9	119.2	78.9	23.8
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°	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7
2.5°	533.7	531.9	531.9	524.5	522.7	517.2	517.2	513.5	511.7	517.2	517.2
5°	535.5	526.4	524.5	517.2	519.0	515.4	522.7	519.0	517.2	517.2	515.4
7.5°	539.2	530.0	522.7	517.2	515.4	520.9	530.0	530.0	541.0	535.5	535.5
10°	548.4	542.9	533.7	530.0	530.0	535.5	546.5	553.9	563.0	563.0	557.5
12.5°	570.4	561.2	550.2	544.7	552.0	557.5	568.5	575.9	586.9	590.6	586.9
15°	586.9	577.7	574.0	570.4	575.9	583.2	592.4	599.7	612.6	616.2	614.4
17.5°	608.9	597.9	596.1	597.9	601.6	607.1	612.6	618.1	627.2	627.2	627.2
20°	619.9	616.2	614.4	619.9	627.2	634.6	630.9	627.2	625.4	629.1	627.2
22.5°	640.1	636.4	638.2	643.7	643.7	640.1	634.6	621.7	618.1	621.7	618.1
25°	658.4	654.7	654.7	651.1	649.2	636.4	625.4	614.4	601.6	607.1	605.2
27.5°	676.8	674.9	674.9	660.2	641.9	619.9	605.2	592.4	585.1	594.2	588.7
30°	698.8	700.6	691.4	656.6	612.6	588.7	572.2	570.4	568.5	574.0	572.2
32.5°	718.9	720.8	706.1	651.1	590.6	544.7	528.2	530.0	539.2	548.4	557.5
35°	729.9	739.1	720.8	632.7	546.5	495.2	476.8	493.4	509.9	522.7	531.9
37.5°	750.1	774.0	742.8	612.6	508.0	451.2	438.3	443.8	464.0	484.2	493.4
40°	779.5	807.0	748.3	574.0	456.7	407.2	399.8	401.7	409.0	421.8	431.0
42.5°	830.8	860.2	753.8	524.5	405.3	379.6	359.5	354.0	348.5	348.5	346.6
45°	906.0	933.5	746.4	462.2	354.0	335.6	321.0	308.1	293.4	269.6	273.3
47.5°	1016.0	1038.1	751.9	407.2	306.3	291.6	280.6	265.9	243.9	218.2	216.4
50°	1182.9	1149.9	744.6	350.3	271.4	258.6	249.4	229.3	203.6	185.2	183.4
52.5°	1377.4	1311.3	737.3	302.6	242.1	231.1	223.8	201.7	177.9	168.7	166.9
55°	1612.1	1516.7	748.3	260.4	220.1	210.9	203.6	183.4	165.1	157.7	155.9
57.5°	1889.0	1738.7	808.8	227.4	196.2	192.6	190.7	174.2	157.7	152.2	150.4
60°	2149.5	1951.4	849.2	203.6	174.2	177.9	181.6	174.2	155.9	152.2	152.2
62.5°	2367.7	2127.5	785.0	183.4	163.2	174.2	190.7	185.2	177.9	181.6	177.9
65°	2560.3	2188.0	586.9	172.4	157.7	183.4	210.9	209.1	192.6	196.2	194.4
67.5°	2593.3	2114.6	383.3	163.2	154.1	201.7	236.6	214.6	181.6	181.6	176.1
70°	2455.8	1918.4	256.8	154.1	152.2	201.7	242.1	201.7	170.6	170.6	163.2
72.5°	2015.6	1533.2	198.1	144.9	139.4	179.7	229.3	190.7	159.6	155.9	143.1
75°	1324.2	988.5	161.4	137.6	121.0	157.7	207.2	176.1	152.2	141.2	135.7
77.5°	649.2	443.8	135.7	121.0	104.5	137.6	188.9	166.9	143.1	132.0	128.4
80°	177.9	159.6	113.7	106.4	88.0	119.2	177.9	159.6	133.9	122.9	117.4
82.5°	100.9	99.0	91.7	86.2	73.4	119.2	179.7	159.6	126.5	124.7	106.4
85°	55.0	58.7	66.0	64.2	56.9	106.4	170.6	139.4	102.7	86.2	86.2
87.5°	22.0	27.5	33.0	36.7	38.5	78.9	128.4	106.4	78.9	66.0	66.0
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)