

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: P670651

Luminaire Tested: **CCP-SA-1D-730-U-T2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670651
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-730-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2
distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5065.6 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

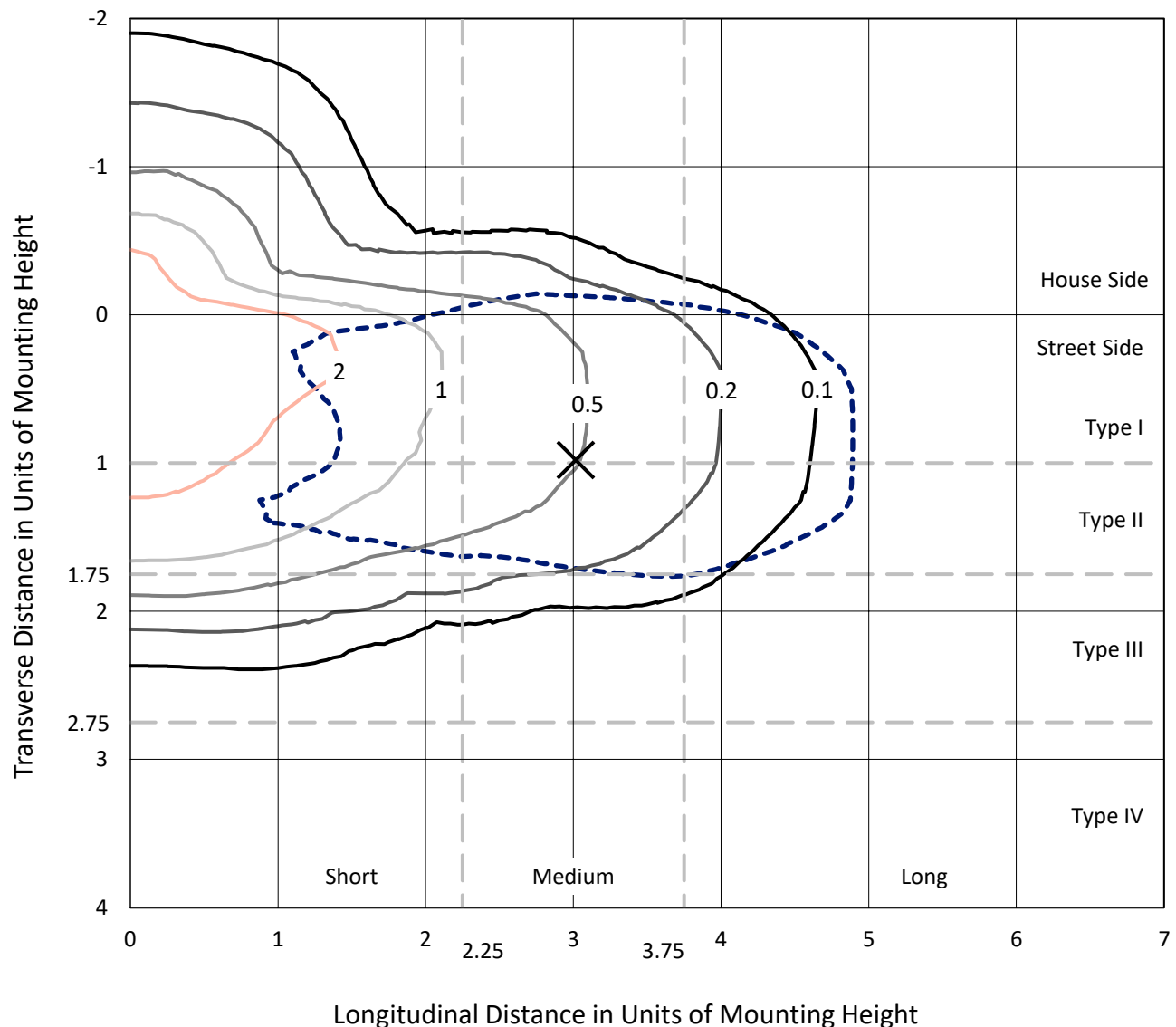
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

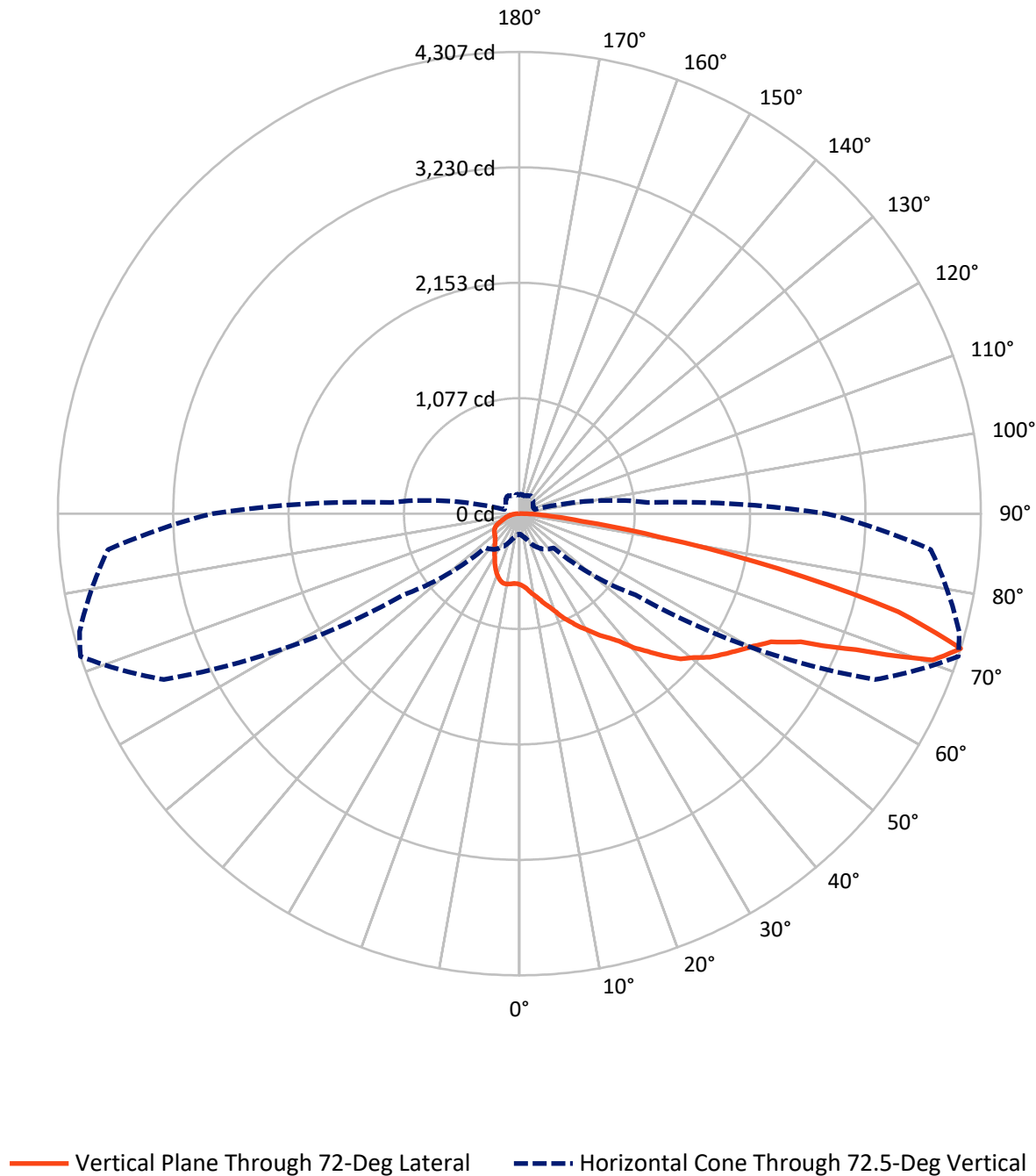
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1066.1	0.0	1066.1
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3999.6	0.0	3999.6
	% Fixture	79.0	0.0	79.0
Total	Lumens	5065.6	0.0	5065.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.3
10°-20°	203.3	4.0
20°-30°	351.8	6.9
30°-40°	519.6	10.3
40°-50°	772.7	15.3
50°-60°	1059.3	20.9
60°-70°	1149.0	22.7
70°-80°	810.1	16.0
80°-90°	134.6	2.7
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°	5065.6	100.0
0°-180°	5065.6	100.0

Coefficient of Utilization



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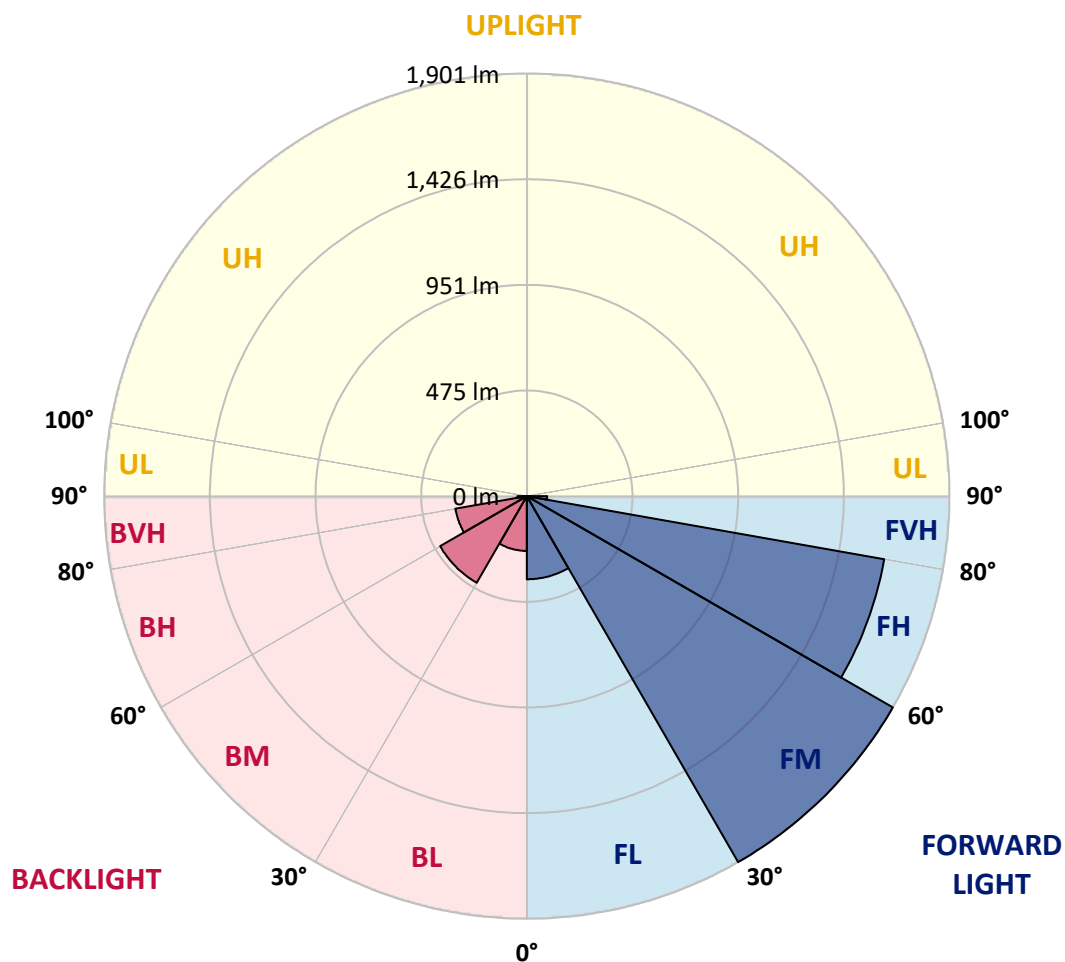
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	374.1	7.4			
FM	(30°-60°)	1901.2	37.5			
FH	(60°-80°)	1632.5	32.2			G1/1800
FVH	(80°-90°)	91.8	1.8			G1/100
BL	(0°-30°)	246.4	4.9	B1/500		
BM	(30°-60°)	450.3	8.9	B1/1000		
BH	(60°-80°)	326.6	6.4	B1/500		G1/500
BVH	(80°-90°)	42.8	0.8			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7
2.5°	714.1	714.1	708.4	706.6	706.6	691.6	693.5	684.1	676.7	676.7	669.2
5°	751.4	747.7	747.7	747.7	738.4	732.7	730.9	714.1	701.0	702.8	680.4
7.5°	760.8	762.7	764.5	773.9	768.3	772.0	768.3	749.6	740.2	730.9	710.3
10°	766.4	770.1	770.1	783.2	783.2	792.6	798.2	790.7	773.9	764.5	730.9
12.5°	779.5	773.9	781.3	790.7	800.0	816.9	833.7	826.2	815.0	803.8	766.4
15°	779.5	781.3	787.0	801.9	816.9	833.7	863.6	874.8	869.2	848.6	809.4
17.5°	757.0	751.4	777.6	805.6	833.7	854.2	893.5	919.7	915.9	908.5	848.6
20°	758.9	764.5	773.9	798.2	843.0	880.4	929.0	972.0	981.4	977.6	901.0
22.5°	792.6	794.4	803.8	815.0	850.5	899.1	972.0	1041.2	1058.0	1048.6	958.9
25°	826.2	841.2	841.2	848.6	861.7	912.2	1000.0	1097.2	1121.6	1123.4	1018.7
27.5°	880.4	884.2	895.4	899.1	910.3	940.2	1031.8	1138.4	1194.5	1187.0	1072.9
30°	944.0	945.8	953.3	949.6	951.4	988.8	1061.7	1185.1	1261.7	1263.6	1130.9
32.5°	1018.7	1033.7	1037.4	1013.1	1016.9	1026.2	1108.5	1241.2	1345.9	1332.8	1181.4
35°	1129.0	1134.6	1123.4	1112.2	1084.2	1078.6	1157.1	1297.3	1418.8	1433.7	1256.1
37.5°	1265.5	1280.4	1265.5	1205.7	1175.8	1153.3	1216.9	1358.9	1506.6	1557.1	1330.9
40°	1392.6	1390.7	1375.8	1321.6	1269.2	1252.4	1302.9	1444.9	1643.1	1691.7	1439.3
42.5°	1495.4	1489.8	1480.4	1439.3	1390.7	1362.7	1401.9	1534.7	1757.1	1850.6	1564.6
45°	1585.1	1577.6	1579.5	1532.8	1486.1	1501.0	1501.0	1637.5	1891.7	2007.6	1708.5
47.5°	1669.2	1673.0	1667.4	1631.9	1596.3	1635.6	1615.0	1755.2	2024.4	2153.4	1830.0
50°	1766.4	1773.9	1755.2	1732.8	1701.0	1740.3	1714.1	1865.5	2110.4	2286.1	1975.8
52.5°	1858.0	1865.5	1882.3	1854.3	1822.5	1854.3	1794.5	1968.3	2224.4	2415.1	2088.0
55°	1880.5	1876.7	1970.2	2000.1	2016.9	1921.6	1865.5	2056.2	2314.1	2497.3	2215.1
57.5°	1777.7	1787.0	1914.1	2000.1	2179.5	2097.3	1945.9	2159.0	2407.6	2605.7	2332.8
60°	1521.6	1527.2	1686.1	1889.8	2151.5	2261.8	2162.7	2291.7	2510.4	2697.3	2465.5
62.5°	1016.9	1059.9	1258.0	1577.6	1953.4	2306.7	2508.5	2516.0	2635.6	2813.2	2646.9
65°	536.5	557.0	712.2	970.1	1480.4	2151.5	2833.8	2960.9	2886.1	3026.3	2908.6
67.5°	351.4	358.9	443.0	588.8	854.2	1570.2	2871.2	3732.9	3389.0	3431.9	3327.3
70°	261.7	265.4	327.1	435.5	529.0	839.3	2353.4	4093.7	4091.8	3977.8	3824.5
72.5°	192.5	198.1	241.1	332.7	407.5	452.4	1323.4	3661.9	4306.8	4248.8	3854.4
75°	151.4	155.1	177.6	258.0	329.0	297.2	671.1	2712.3	3652.5	3931.0	3527.3
77.5°	123.4	127.1	140.2	186.9	263.6	229.9	321.5	1749.6	2476.8	2830.0	2699.2
80°	102.8	102.8	112.2	132.7	203.7	173.8	190.7	983.2	1334.6	1473.0	1224.4
82.5°	87.9	86.0	93.5	97.2	151.4	125.2	123.4	444.9	586.9	622.5	459.8
85°	56.1	57.9	87.9	84.1	99.1	86.0	69.2	211.2	276.6	282.3	172.0
87.5°	22.4	22.4	37.4	46.7	56.1	52.3	33.6	95.3	121.5	121.5	48.6
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°	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7
2.5°	667.3	659.8	654.2	650.5	641.2	631.8	633.7	631.8	624.3	620.6	620.6
5°	674.8	667.3	658.0	643.0	633.7	622.5	626.2	618.7	611.2	616.9	607.5
7.5°	693.5	680.4	667.3	644.9	629.9	613.1	605.6	601.9	596.3	592.6	592.6
10°	719.7	701.0	676.7	643.0	618.7	592.6	588.8	581.3	575.7	575.7	573.9
12.5°	745.8	725.3	684.1	629.9	588.8	570.1	568.3	570.1	573.9	575.7	577.6
15°	779.5	745.8	682.3	605.6	564.5	557.0	566.4	573.9	581.3	588.8	586.9
17.5°	811.3	772.0	665.5	575.7	544.0	545.8	562.6	577.6	592.6	600.0	601.9
20°	854.2	796.3	641.2	540.2	523.4	540.2	562.6	581.3	598.2	607.5	609.4
22.5°	902.8	824.3	609.4	508.4	506.6	523.4	545.8	573.9	592.6	609.4	607.5
25°	945.8	843.0	568.3	482.3	486.0	497.2	523.4	553.3	572.0	590.7	585.1
27.5°	973.9	846.8	525.3	463.6	463.6	474.8	499.1	517.8	534.6	549.6	551.4
30°	1005.7	839.3	476.7	439.3	439.3	454.2	463.6	474.8	484.1	487.9	491.6
32.5°	1043.0	822.5	446.8	420.6	420.6	431.8	437.4	433.7	431.8	422.5	428.1
35°	1078.6	798.2	413.1	396.3	403.8	409.4	407.5	396.3	385.1	368.2	362.6
37.5°	1121.6	773.9	383.2	370.1	383.2	385.1	385.1	372.0	357.0	336.5	336.5
40°	1187.0	755.2	358.9	353.3	366.4	364.5	355.2	345.8	351.4	340.2	340.2
42.5°	1256.1	747.7	336.5	338.3	343.9	345.8	336.5	325.2	347.7	334.6	336.5
45°	1342.1	753.3	321.5	319.6	332.7	330.9	325.2	315.9	323.4	289.7	280.4
47.5°	1422.5	764.5	314.0	306.6	321.5	325.2	317.8	297.2	286.0	265.4	261.7
50°	1495.4	788.8	306.6	291.6	306.6	314.0	300.9	278.5	265.4	252.3	252.3
52.5°	1564.6	824.3	302.8	274.8	287.9	297.2	289.7	267.3	252.3	246.7	241.1
55°	1635.6	856.1	297.2	263.6	267.3	286.0	284.1	254.2	239.3	239.3	237.4
57.5°	1736.5	899.1	289.7	244.9	252.3	272.9	272.9	248.6	231.8	233.7	235.5
60°	1839.3	949.6	282.3	226.2	231.8	259.8	263.6	241.1	226.2	228.0	226.2
62.5°	2003.8	1043.0	267.3	203.7	215.0	243.0	252.3	231.8	218.7	222.4	222.4
65°	2252.4	1203.8	235.5	185.1	198.1	228.0	241.1	222.4	207.5	218.7	215.0
67.5°	2652.5	1424.4	198.1	170.1	186.9	213.1	228.0	211.2	198.1	215.0	209.4
70°	3011.4	1532.8	170.1	157.0	170.1	196.3	213.1	200.0	186.9	203.7	196.3
72.5°	2865.6	1201.9	147.7	142.1	155.1	177.6	198.1	185.1	172.0	181.3	173.8
75°	2473.0	957.1	129.0	127.1	138.3	160.8	181.3	172.0	158.9	162.6	158.9
77.5°	1874.9	790.7	110.3	108.4	117.8	143.9	162.6	155.1	142.1	140.2	140.2
80°	837.4	388.8	91.6	91.6	97.2	123.4	138.3	134.6	121.5	119.6	117.8
82.5°	274.8	147.7	74.8	71.0	78.5	102.8	123.4	119.6	106.5	102.8	99.1
85°	110.3	71.0	54.2	54.2	61.7	86.0	110.3	102.8	86.0	76.6	76.6
87.5°	37.4	29.9	28.0	28.0	39.3	57.9	82.2	69.2	61.7	54.2	56.1
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)