

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: P674883

Luminaire Tested: **CCW-SA-1F-830-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674883
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-830-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T2 distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5942.8 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

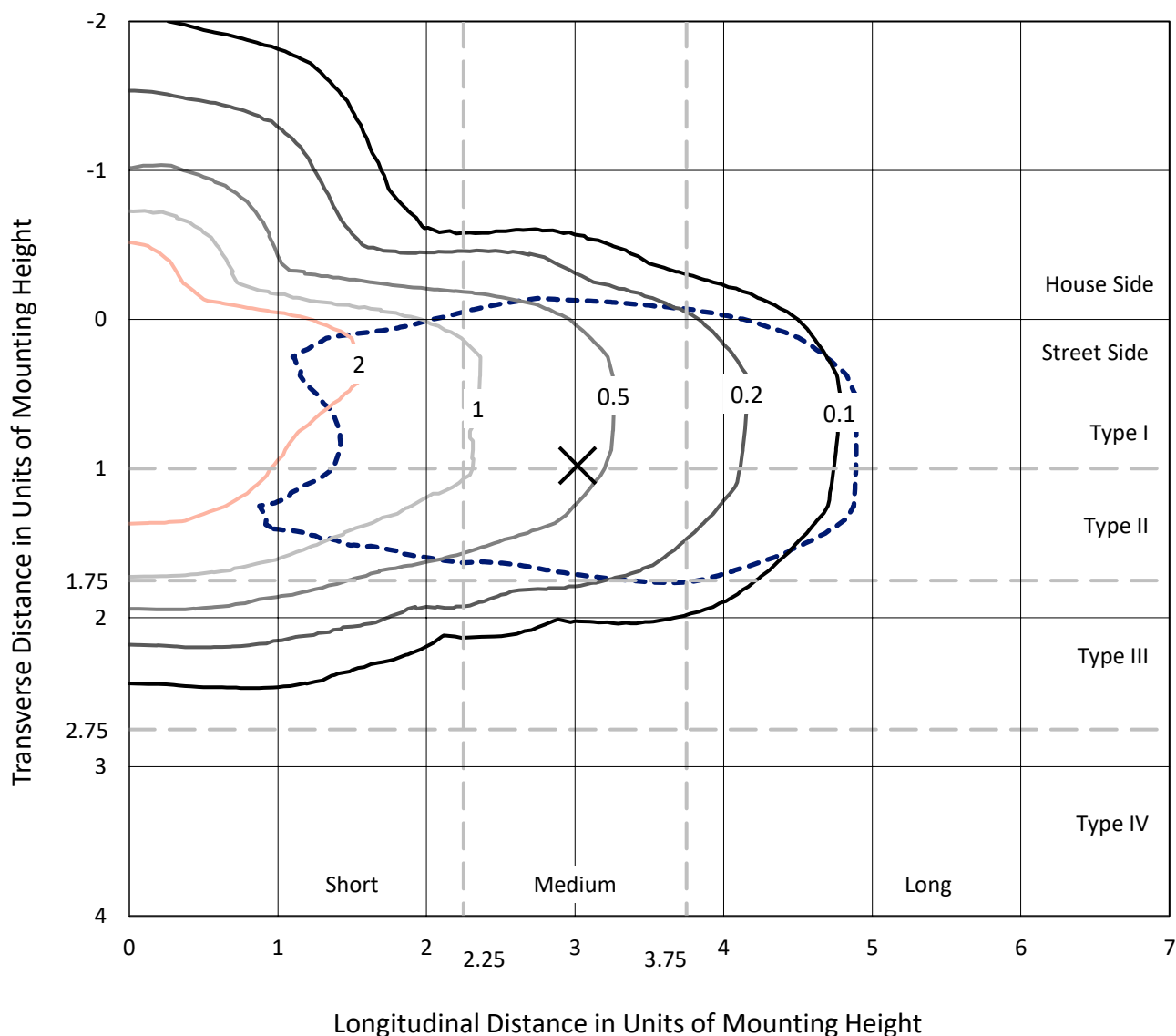
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

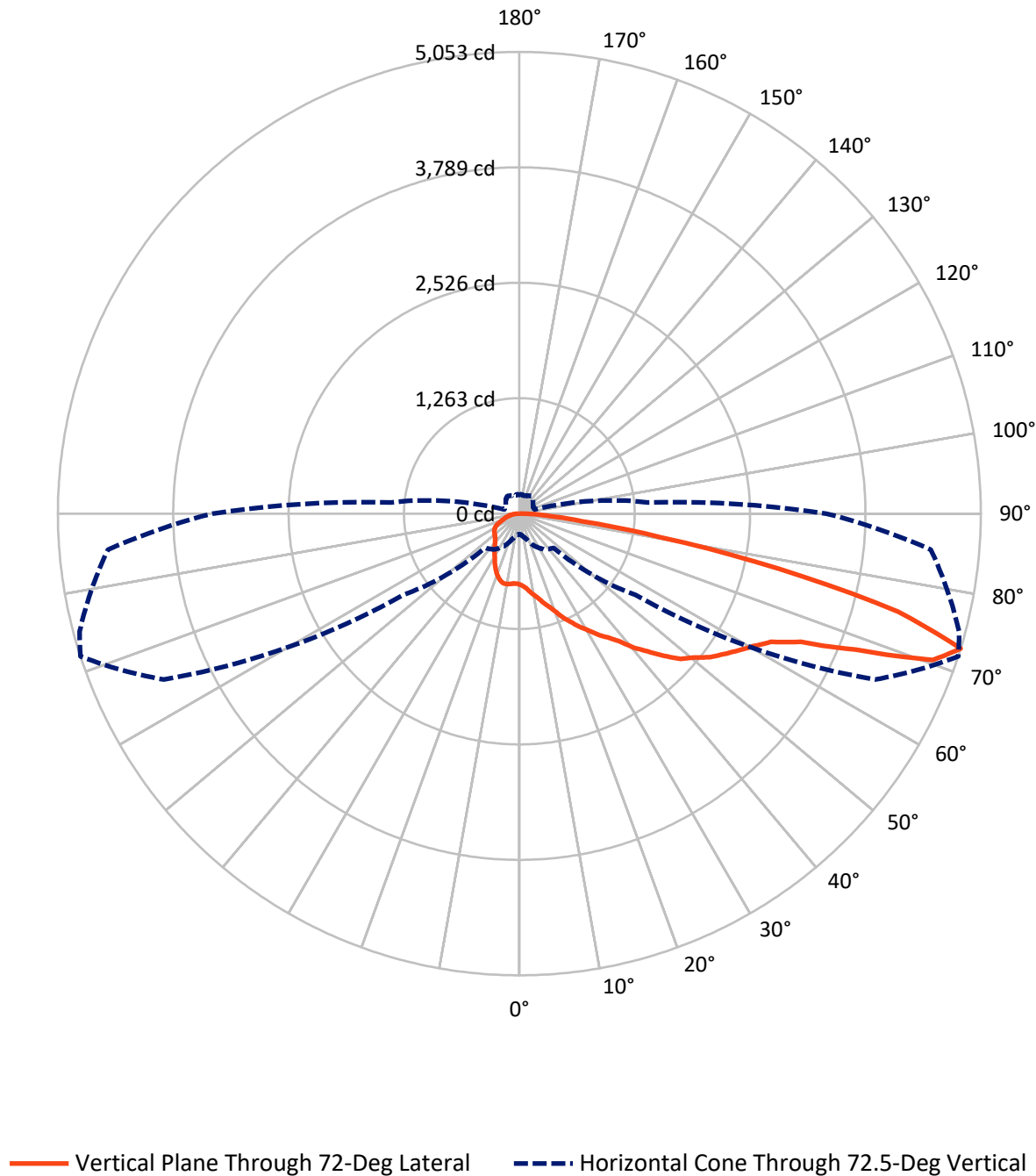


Based on 15 foot mounting height. Maximum calculated value = 4.3 fc

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	1250.7	0.0	1250.7
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4692.1	0.0	4692.1
	% Fixture	79.0	0.0	79.0
Total	Lumens	5942.8	0.0	5942.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	1.3
10°-20°	238.5	4.0
20°-30°	412.7	6.9
30°-40°	609.5	10.3
40°-50°	906.5	15.3
50°-60°	1242.7	20.9
60°-70°	1348.0	22.7
70°-80°	950.3	16.0
80°-90°	157.9	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°	5942.8	100.0
0°-180°	5942.8	100.0

Coefficient of Utilization



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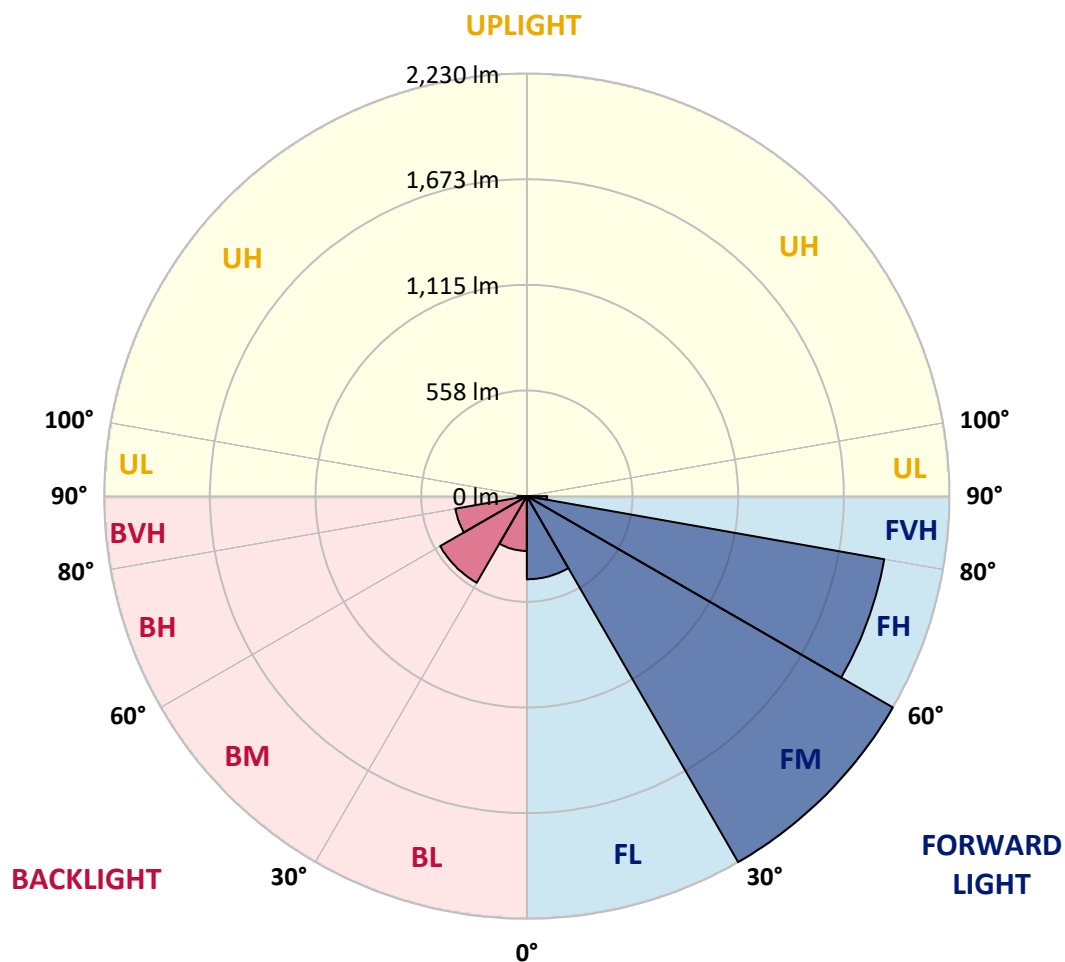
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	438.8	7.4			
FM	(30°-60°)	2230.4	37.5			
FH	(60°-80°)	1915.2	32.2			G2/5000
FVH	(80°-90°)	107.6	1.8			G2/225
BL	(0°-30°)	289.1	4.9	B1/500		
BM	(30°-60°)	528.2	8.9	B1/1000		
BH	(60°-80°)	383.1	6.4	B1/500		G1/500
BVH	(80°-90°)	50.3	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-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3
2.5°	837.7	837.7	831.1	828.9	828.9	811.4	813.6	802.6	793.8	793.8	785.1
5°	881.6	877.2	877.2	877.2	866.2	859.6	857.4	837.7	822.3	824.5	798.2
7.5°	892.5	894.7	896.9	907.9	901.3	905.7	901.3	879.4	868.4	857.4	833.3
10°	899.1	903.5	903.5	918.8	918.8	929.8	936.4	927.6	907.9	896.9	857.4
12.5°	914.4	907.9	916.6	927.6	938.6	958.3	978.0	969.3	956.1	943.0	899.1
15°	914.4	916.6	923.2	940.8	958.3	978.0	1013.1	1026.3	1019.7	995.6	949.5
17.5°	888.1	881.6	912.3	945.1	978.0	1002.2	1048.2	1078.9	1074.5	1065.8	995.6
20°	890.3	896.9	907.9	936.4	989.0	1032.9	1089.9	1140.3	1151.3	1146.9	1057.0
22.5°	929.8	932.0	943.0	956.1	997.8	1054.8	1140.3	1221.5	1241.2	1230.2	1125.0
25°	969.3	986.8	986.8	995.6	1010.9	1070.1	1173.2	1287.2	1315.8	1317.9	1195.1
27.5°	1032.9	1037.3	1050.4	1054.8	1068.0	1103.0	1210.5	1335.5	1401.3	1392.5	1258.7
30°	1107.4	1109.6	1118.4	1114.0	1116.2	1160.1	1245.6	1390.3	1480.2	1482.4	1326.7
32.5°	1195.1	1212.7	1217.1	1188.6	1192.9	1203.9	1300.4	1456.1	1578.9	1563.6	1385.9
35°	1324.5	1331.1	1317.9	1304.8	1271.9	1265.3	1357.4	1521.9	1664.4	1682.0	1473.6
37.5°	1484.6	1502.2	1484.6	1414.4	1379.3	1353.0	1427.6	1594.3	1767.5	1826.7	1561.4
40°	1633.7	1631.5	1614.0	1550.4	1489.0	1469.3	1528.5	1695.1	1927.6	1984.6	1688.5
42.5°	1754.3	1747.8	1736.8	1688.5	1631.5	1598.6	1644.7	1800.4	2061.3	2171.0	1835.5
45°	1859.6	1850.8	1853.0	1798.2	1743.4	1760.9	1760.9	1921.0	2219.2	2355.2	2004.3
47.5°	1958.3	1962.7	1956.1	1914.4	1872.8	1918.8	1894.7	2059.2	2374.9	2526.2	2146.9
50°	2072.3	2081.1	2059.2	2032.8	1995.6	2041.6	2010.9	2188.5	2475.8	2681.9	2317.9
52.5°	2179.8	2188.5	2208.3	2175.4	2138.1	2175.4	2105.2	2309.1	2609.6	2833.3	2449.5
55°	2206.1	2201.7	2311.3	2346.4	2366.2	2254.3	2188.5	2412.2	2714.8	2929.7	2598.6
57.5°	2085.5	2096.4	2245.6	2346.4	2556.9	2460.5	2282.8	2532.8	2824.5	3056.9	2736.8
60°	1785.0	1791.6	1978.0	2217.0	2524.1	2653.4	2537.2	2688.5	2945.1	3164.4	2892.5
62.5°	1192.9	1243.4	1475.8	1850.8	2291.6	2706.1	2942.9	2951.7	3092.0	3300.3	3105.2
65°	629.4	653.5	835.5	1138.1	1736.8	2524.1	3324.5	3473.6	3385.9	3550.3	3412.2
67.5°	412.3	421.0	519.7	690.8	1002.2	1842.1	3368.3	4379.3	3975.8	4026.2	3903.4
70°	307.0	311.4	383.8	511.0	620.6	984.6	2760.9	4802.5	4800.3	4666.5	4486.7
72.5°	225.9	232.4	282.9	390.3	478.1	530.7	1552.6	4295.9	5052.5	4984.5	4521.8
75°	177.6	182.0	208.3	302.6	386.0	348.7	787.3	3181.9	4285.0	4611.7	4138.0
77.5°	144.7	149.1	164.5	219.3	309.2	269.7	377.2	2052.6	2905.6	3320.1	3166.6
80°	120.6	120.6	131.6	155.7	239.0	203.9	223.7	1153.5	1565.7	1728.0	1436.4
82.5°	103.1	100.9	109.6	114.0	177.6	146.9	144.7	521.9	688.6	730.2	539.5
85°	65.8	68.0	103.1	98.7	116.2	100.9	81.1	247.8	324.6	331.1	201.7
87.5°	26.3	26.3	43.9	54.8	65.8	61.4	39.5	111.8	142.5	142.5	57.0
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°	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3
2.5°	782.9	774.1	767.5	763.1	752.2	741.2	743.4	741.2	732.4	728.0	728.0
5°	791.6	782.9	771.9	754.4	743.4	730.2	734.6	725.9	717.1	723.7	712.7
7.5°	813.6	798.2	782.9	756.6	739.0	719.3	710.5	706.1	699.5	695.2	695.2
10°	844.3	822.3	793.8	754.4	725.9	695.2	690.8	682.0	675.4	675.4	673.2
12.5°	875.0	850.9	802.6	739.0	690.8	668.8	666.6	668.8	673.2	675.4	677.6
15°	914.4	875.0	800.4	710.5	662.3	653.5	664.5	673.2	682.0	690.8	688.6
17.5°	951.7	905.7	780.7	675.4	638.1	640.3	660.1	677.6	695.2	703.9	706.1
20°	1002.2	934.2	752.2	633.8	614.0	633.8	660.1	682.0	701.7	712.7	714.9
22.5°	1059.2	967.1	714.9	596.5	594.3	614.0	640.3	673.2	695.2	714.9	712.7
25°	1109.6	989.0	666.6	565.8	570.2	583.3	614.0	649.1	671.0	693.0	686.4
27.5°	1142.5	993.4	616.2	543.8	543.8	557.0	585.5	607.4	627.2	644.7	646.9
30°	1179.8	984.6	559.2	515.3	515.3	532.9	543.8	557.0	568.0	572.4	576.7
32.5°	1223.6	964.9	524.1	493.4	493.4	506.6	513.1	508.8	506.6	495.6	502.2
35°	1265.3	936.4	484.6	464.9	473.7	480.2	478.1	464.9	451.7	432.0	425.4
37.5°	1315.8	907.9	449.5	434.2	449.5	451.7	451.7	436.4	418.8	394.7	394.7
40°	1392.5	885.9	421.0	414.5	429.8	427.6	416.7	405.7	412.3	399.1	399.1
42.5°	1473.6	877.2	394.7	396.9	403.5	405.7	394.7	381.6	407.9	392.5	394.7
45°	1574.5	883.7	377.2	375.0	390.3	388.1	381.6	370.6	379.4	339.9	328.9
47.5°	1668.8	896.9	368.4	359.6	377.2	381.6	372.8	348.7	335.5	311.4	307.0
50°	1754.3	925.4	359.6	342.1	359.6	368.4	353.1	326.7	311.4	296.0	296.0
52.5°	1835.5	967.1	355.3	322.4	337.7	348.7	339.9	313.6	296.0	289.5	282.9
55°	1918.8	1004.4	348.7	309.2	313.6	335.5	333.3	298.2	280.7	280.7	278.5
57.5°	2037.2	1054.8	339.9	287.3	296.0	320.2	320.2	291.7	271.9	274.1	276.3
60°	2157.8	1114.0	331.1	265.3	271.9	304.8	309.2	282.9	265.3	267.5	265.3
62.5°	2350.8	1223.6	313.6	239.0	252.2	285.1	296.0	271.9	256.6	261.0	261.0
65°	2642.5	1412.2	276.3	217.1	232.4	267.5	282.9	261.0	243.4	256.6	252.2
67.5°	3111.8	1671.0	232.4	199.6	219.3	250.0	267.5	247.8	232.4	252.2	245.6
70°	3532.8	1798.2	199.6	184.2	199.6	230.3	250.0	234.6	219.3	239.0	230.3
72.5°	3361.7	1410.0	173.2	166.7	182.0	208.3	232.4	217.1	201.7	212.7	203.9
75°	2901.2	1122.8	151.3	149.1	162.3	188.6	212.7	201.7	186.4	190.8	186.4
77.5°	2199.5	927.6	129.4	127.2	138.2	168.9	190.8	182.0	166.7	164.5	164.5
80°	982.4	456.1	107.5	107.5	114.0	144.7	162.3	157.9	142.5	140.3	138.2
82.5°	322.4	173.2	87.7	83.3	92.1	120.6	144.7	140.3	125.0	120.6	116.2
85°	129.4	83.3	63.6	63.6	72.4	100.9	129.4	120.6	100.9	89.9	89.9
87.5°	43.9	35.1	32.9	32.9	46.1	68.0	96.5	81.1	72.4	63.6	65.8
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)