

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: P674828

Luminaire Tested: **CCW-SA-1F-735-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674828
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-735-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T2 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7376.5 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

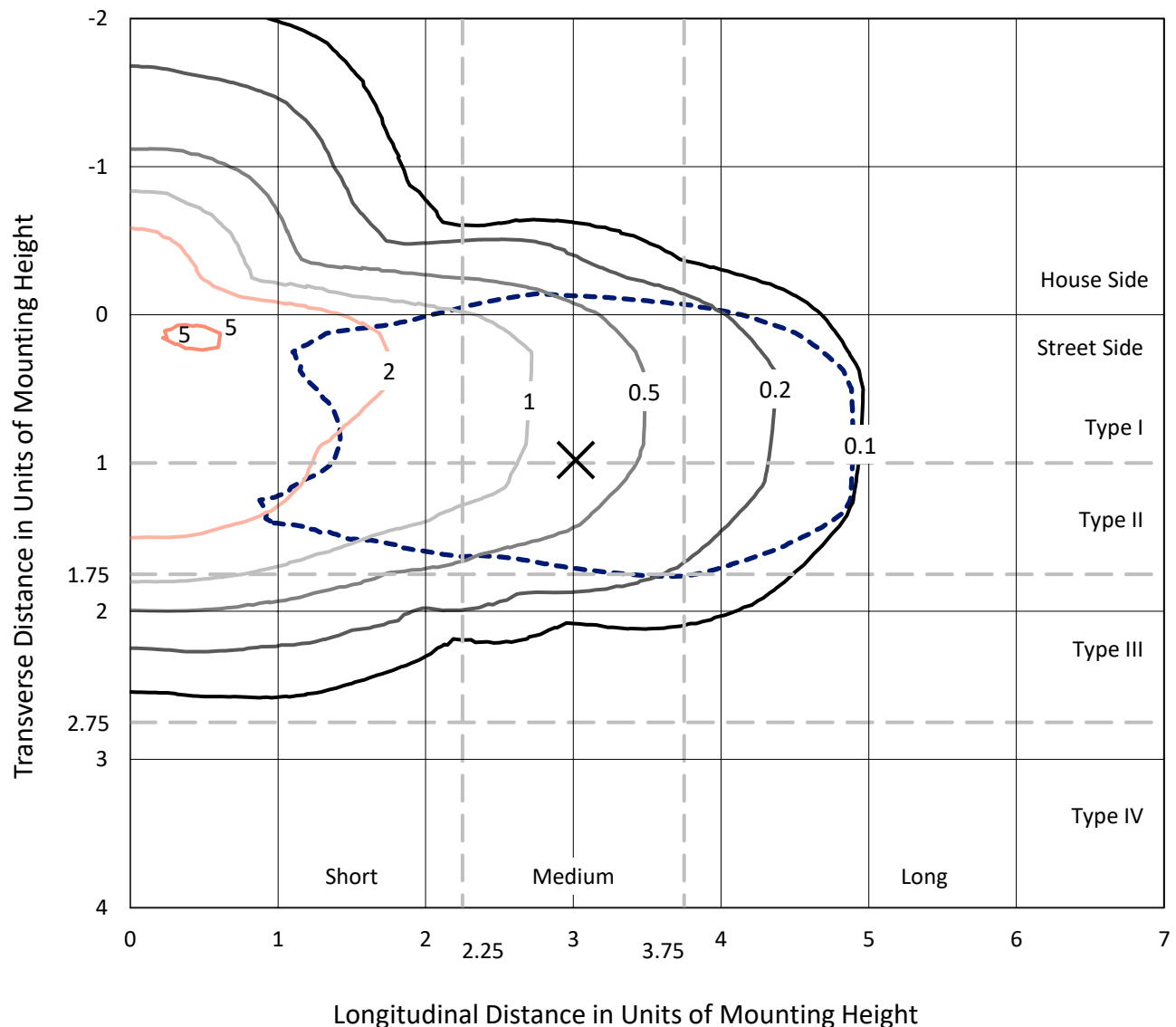
Input Watts (W): 67
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

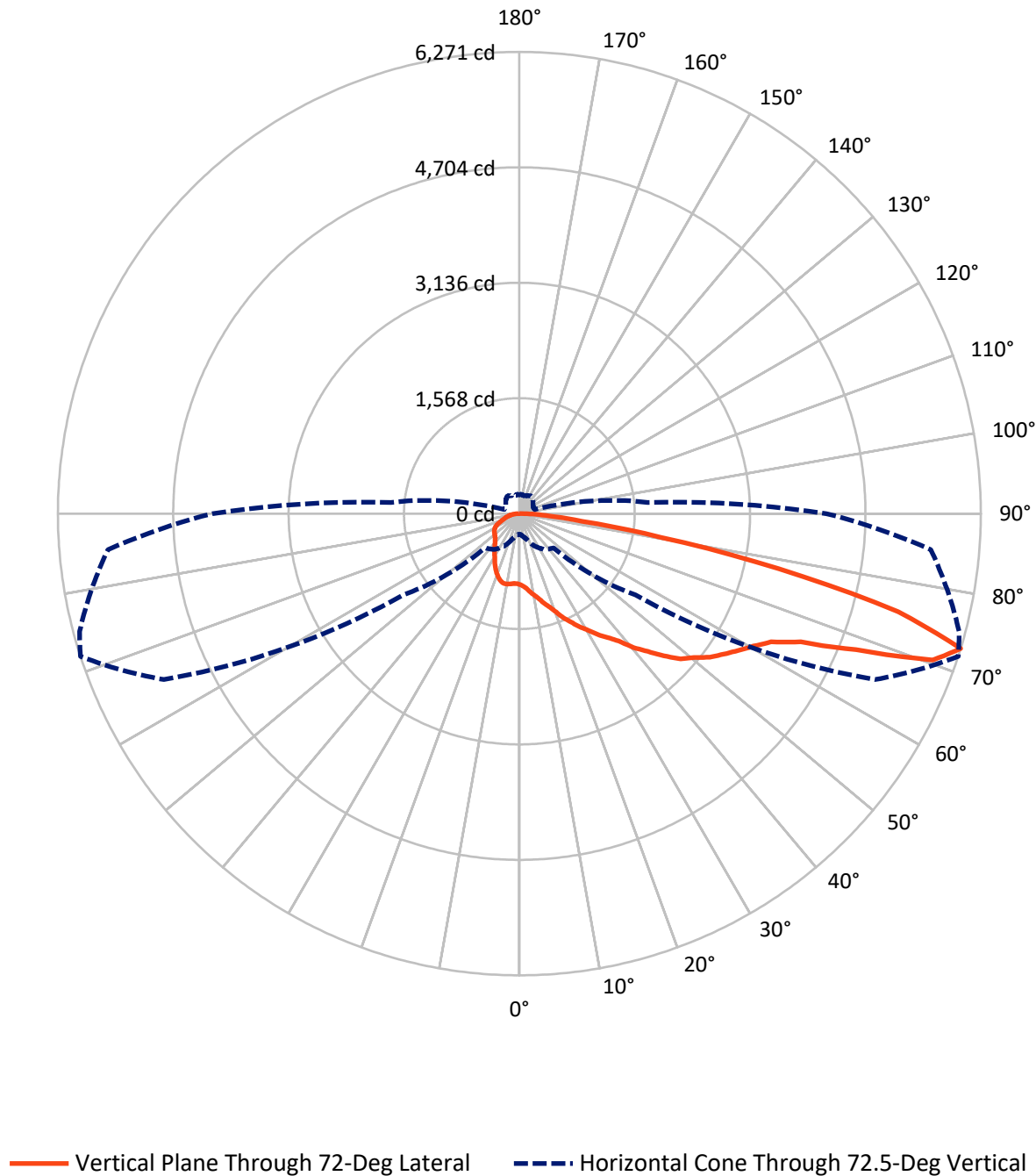
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 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	1552.4	0.0	1552.4
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	5824.1	0.0	5824.1
	% Fixture	79.0	0.0	79.0
Total	Lumens	7376.5	0.0	7376.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	1.3
10°-20°	296.0	4.0
20°-30°	512.2	6.9
30°-40°	756.6	10.3
40°-50°	1125.1	15.3
50°-60°	1542.5	20.9
60°-70°	1673.2	22.7
70°-80°	1179.6	16.0
80°-90°	196.0	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°	7376.5	100.0
0°-180°	7376.5	100.0

Coefficient of Utilization



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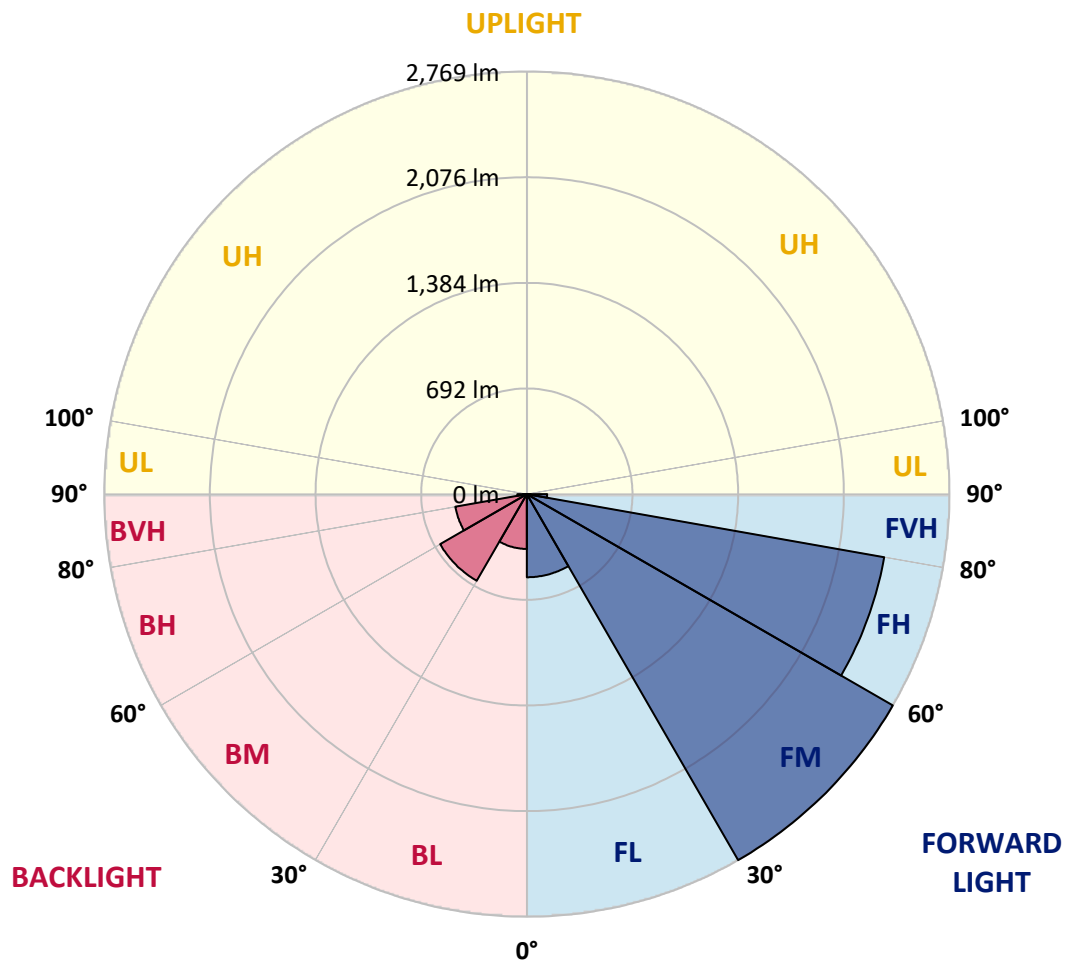
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.7	7.4			
FM	(30°-60°)	2768.6	37.5			
FH	(60°-80°)	2377.2	32.2			G2/5000
FVH	(80°-90°)	133.6	1.8			G2/225
BL	(0°-30°)	358.8	4.9	B1/500		
BM	(30°-60°)	655.7	8.9	B1/1000		
BH	(60°-80°)	475.5	6.4	B1/500		G1/500
BVH	(80°-90°)	62.4	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°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6
2.5°	1039.8	1039.8	1031.6	1028.9	1028.9	1007.1	1009.9	996.2	985.4	985.4	974.5
5°	1094.2	1088.8	1088.8	1088.8	1075.2	1067.0	1064.3	1039.8	1020.7	1023.5	990.8
7.5°	1107.8	1110.6	1113.3	1126.9	1118.7	1124.2	1118.7	1091.5	1077.9	1064.3	1034.3
10°	1116.0	1121.5	1121.5	1140.5	1140.5	1154.1	1162.3	1151.4	1126.9	1113.3	1064.3
12.5°	1135.1	1126.9	1137.8	1151.4	1165.0	1189.5	1214.0	1203.1	1186.8	1170.4	1116.0
15°	1135.1	1137.8	1145.9	1167.7	1189.5	1214.0	1257.5	1273.9	1265.7	1235.8	1178.6
17.5°	1102.4	1094.2	1132.3	1173.2	1214.0	1243.9	1301.1	1339.2	1333.8	1322.9	1235.8
20°	1105.1	1113.3	1126.9	1162.3	1227.6	1282.0	1352.8	1415.4	1429.0	1423.6	1312.0
22.5°	1154.1	1156.8	1170.4	1186.8	1238.5	1309.3	1415.4	1516.1	1540.6	1527.0	1396.4
25°	1203.1	1224.9	1224.9	1235.8	1254.8	1328.3	1456.3	1597.8	1633.2	1635.9	1483.5
27.5°	1282.0	1287.5	1303.8	1309.3	1325.6	1369.2	1502.5	1657.7	1739.3	1728.5	1562.4
30°	1374.6	1377.3	1388.2	1382.8	1385.5	1439.9	1546.1	1725.7	1837.3	1840.1	1646.8
32.5°	1483.5	1505.2	1510.7	1475.3	1480.8	1494.4	1614.1	1807.4	1959.8	1940.8	1720.3
35°	1644.1	1652.2	1635.9	1619.6	1578.7	1570.6	1684.9	1889.0	2066.0	2087.8	1829.2
37.5°	1842.8	1864.5	1842.8	1755.7	1712.1	1679.5	1772.0	1978.9	2193.9	2267.4	1938.0
40°	2027.9	2025.1	2003.4	1924.4	1848.2	1823.7	1897.2	2104.1	2392.6	2463.4	2095.9
42.5°	2177.6	2169.4	2155.8	2095.9	2025.1	1984.3	2041.5	2234.7	2558.7	2694.7	2278.3
45°	2308.2	2297.3	2300.1	2232.0	2164.0	2185.7	2185.7	2384.4	2754.6	2923.4	2487.9
47.5°	2430.7	2436.2	2428.0	2376.3	2324.6	2381.7	2351.8	2555.9	2947.9	3135.7	2664.8
50°	2572.3	2583.1	2555.9	2523.3	2477.0	2534.2	2496.0	2716.5	3073.1	3329.0	2877.1
52.5°	2705.6	2716.5	2741.0	2700.2	2653.9	2700.2	2613.1	2866.2	3239.1	3516.8	3040.4
55°	2738.3	2732.9	2869.0	2912.5	2937.0	2798.2	2716.5	2994.2	3369.8	3636.6	3225.5
57.5°	2588.6	2602.2	2787.3	2912.5	3173.8	3054.0	2833.6	3143.9	3505.9	3794.4	3397.0
60°	2215.7	2223.8	2455.2	2751.9	3133.0	3293.6	3149.3	3337.1	3655.6	3927.8	3590.3
62.5°	1480.8	1543.4	1831.9	2297.3	2844.5	3358.9	3652.9	3663.8	3838.0	4096.6	3854.3
65°	781.2	811.1	1037.1	1412.7	2155.8	3133.0	4126.5	4311.6	4202.7	4406.9	4235.4
67.5°	511.7	522.6	645.1	857.4	1243.9	2286.5	4180.9	5435.8	4934.9	4997.5	4845.1
70°	381.1	386.5	476.3	634.2	770.3	1222.2	3427.0	5961.1	5958.4	5792.4	5569.1
72.5°	280.4	288.5	351.1	484.5	593.4	658.7	1927.2	5332.3	6271.4	6187.0	5612.7
75°	220.5	225.9	258.6	375.6	479.1	432.8	977.2	3949.6	5318.7	5724.3	5136.4
77.5°	179.6	185.1	204.1	272.2	383.8	334.8	468.2	2547.8	3606.6	4121.1	3930.5
80°	149.7	149.7	163.3	193.3	296.7	253.1	277.6	1431.8	1943.5	2144.9	1782.9
82.5°	127.9	125.2	136.1	141.5	220.5	182.4	179.6	647.8	854.7	906.4	669.6
85°	81.7	84.4	127.9	122.5	144.3	125.2	100.7	307.6	402.9	411.0	250.4
87.5°	32.7	32.7	54.4	68.0	81.7	76.2	49.0	138.8	176.9	176.9	70.8
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°	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6	963.6
2.5°	971.7	960.9	952.7	947.2	933.6	920.0	922.7	920.0	909.1	903.7	903.7
5°	982.6	971.7	958.1	936.4	922.7	906.4	911.9	901.0	890.1	898.2	884.6
7.5°	1009.9	990.8	971.7	939.1	917.3	892.8	881.9	876.5	868.3	862.9	862.9
10°	1048.0	1020.7	985.4	936.4	901.0	862.9	857.4	846.5	838.4	838.4	835.6
12.5°	1086.1	1056.1	996.2	917.3	857.4	830.2	827.5	830.2	835.6	838.4	841.1
15°	1135.1	1086.1	993.5	881.9	822.0	811.1	824.8	835.6	846.5	857.4	854.7
17.5°	1181.3	1124.2	969.0	838.4	792.1	794.8	819.3	841.1	862.9	873.8	876.5
20°	1243.9	1159.6	933.6	786.6	762.2	786.6	819.3	846.5	871.0	884.6	887.4
22.5°	1314.7	1200.4	887.4	740.4	737.7	762.2	794.8	835.6	862.9	887.4	884.6
25°	1377.3	1227.6	827.5	702.3	707.7	724.0	762.2	805.7	832.9	860.1	852.0
27.5°	1418.1	1233.1	764.9	675.0	675.0	691.4	726.8	754.0	778.5	800.3	803.0
30°	1464.4	1222.2	694.1	639.7	639.7	661.4	675.0	691.4	705.0	710.4	715.9
32.5°	1518.9	1197.7	650.6	612.4	612.4	628.8	636.9	631.5	628.8	615.2	623.3
35°	1570.6	1162.3	601.6	577.1	587.9	596.1	593.4	577.1	560.7	536.2	528.1
37.5°	1633.2	1126.9	558.0	538.9	558.0	560.7	560.7	541.7	519.9	490.0	490.0
40°	1728.5	1099.7	522.6	514.5	533.5	530.8	517.2	503.6	511.7	495.4	495.4
42.5°	1829.2	1088.8	490.0	492.7	500.8	503.6	490.0	473.6	506.3	487.2	490.0
45°	1954.4	1097.0	468.2	465.5	484.5	481.8	473.6	460.0	470.9	421.9	408.3
47.5°	2071.4	1113.3	457.3	446.4	468.2	473.6	462.7	432.8	416.5	386.5	381.1
50°	2177.6	1148.7	446.4	424.6	446.4	457.3	438.2	405.6	386.5	367.5	367.5
52.5°	2278.3	1200.4	441.0	400.1	419.2	432.8	421.9	389.2	367.5	359.3	351.1
55°	2381.7	1246.7	432.8	383.8	389.2	416.5	413.7	370.2	348.4	348.4	345.7
57.5°	2528.7	1309.3	421.9	356.6	367.5	397.4	397.4	362.0	337.5	340.2	343.0
60°	2678.4	1382.8	411.0	329.4	337.5	378.4	383.8	351.1	329.4	332.1	329.4
62.5°	2918.0	1518.9	389.2	296.7	313.0	353.9	367.5	337.5	318.5	323.9	323.9
65°	3280.0	1752.9	343.0	269.5	288.5	332.1	351.1	323.9	302.1	318.5	313.0
67.5°	3862.5	2074.1	288.5	247.7	272.2	310.3	332.1	307.6	288.5	313.0	304.9
70°	4385.1	2232.0	247.7	228.6	247.7	285.8	310.3	291.3	272.2	296.7	285.8
72.5°	4172.8	1750.2	215.0	206.9	225.9	258.6	288.5	269.5	250.4	264.0	253.1
75°	3601.2	1393.6	187.8	185.1	201.4	234.1	264.0	250.4	231.4	236.8	231.4
77.5°	2730.1	1151.4	160.6	157.9	171.5	209.6	236.8	225.9	206.9	204.1	204.1
80°	1219.4	566.2	133.4	133.4	141.5	179.6	201.4	196.0	176.9	174.2	171.5
82.5°	400.1	215.0	108.9	103.4	114.3	149.7	179.6	174.2	155.2	149.7	144.3
85°	160.6	103.4	78.9	78.9	89.8	125.2	160.6	149.7	125.2	111.6	111.6
87.5°	54.4	43.6	40.8	40.8	57.2	84.4	119.8	100.7	89.8	78.9	81.7
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)