

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: P674841

Luminaire Tested: **CCW-SA-2B-740-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674841
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-740-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T2 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6889 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

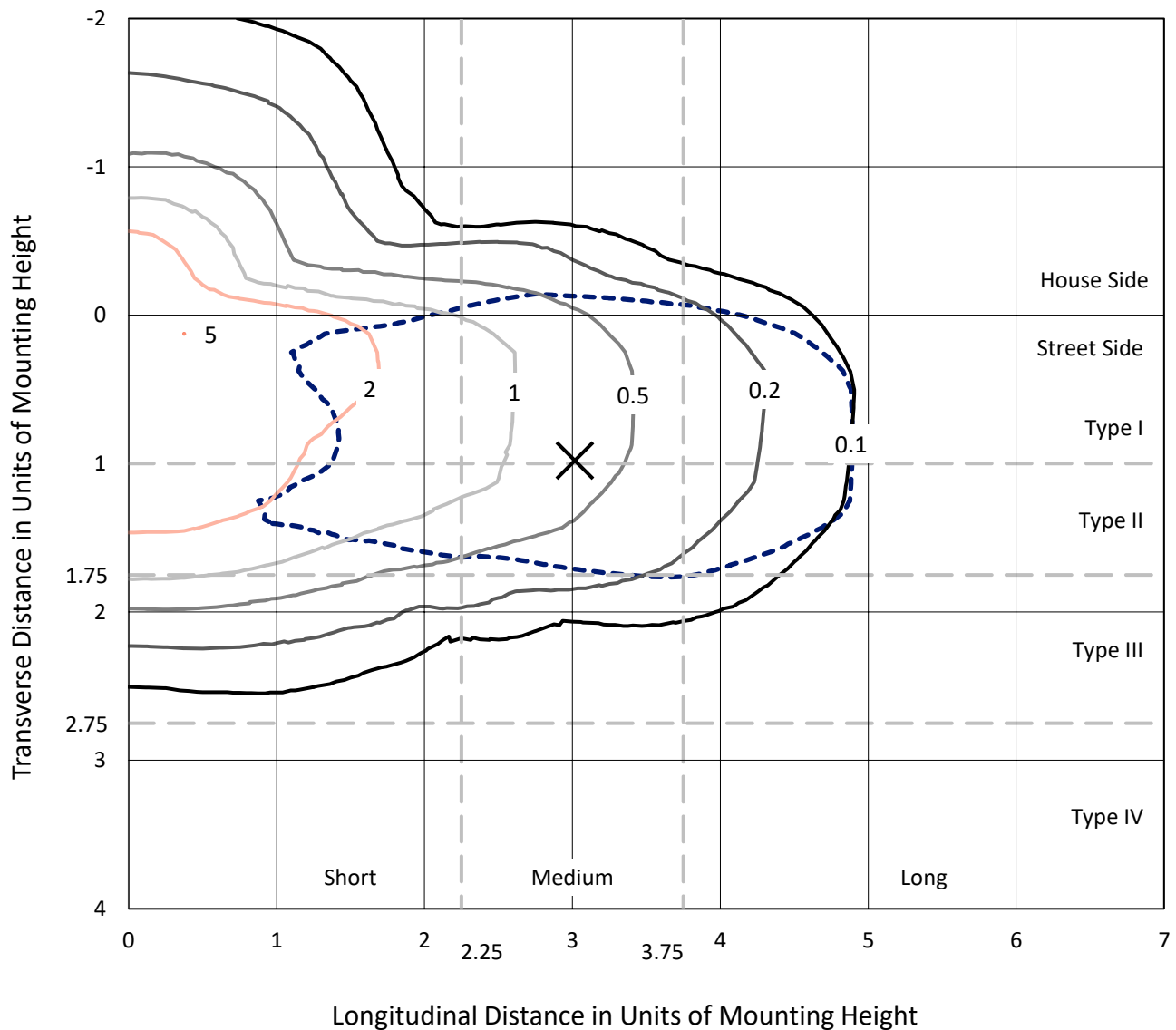
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

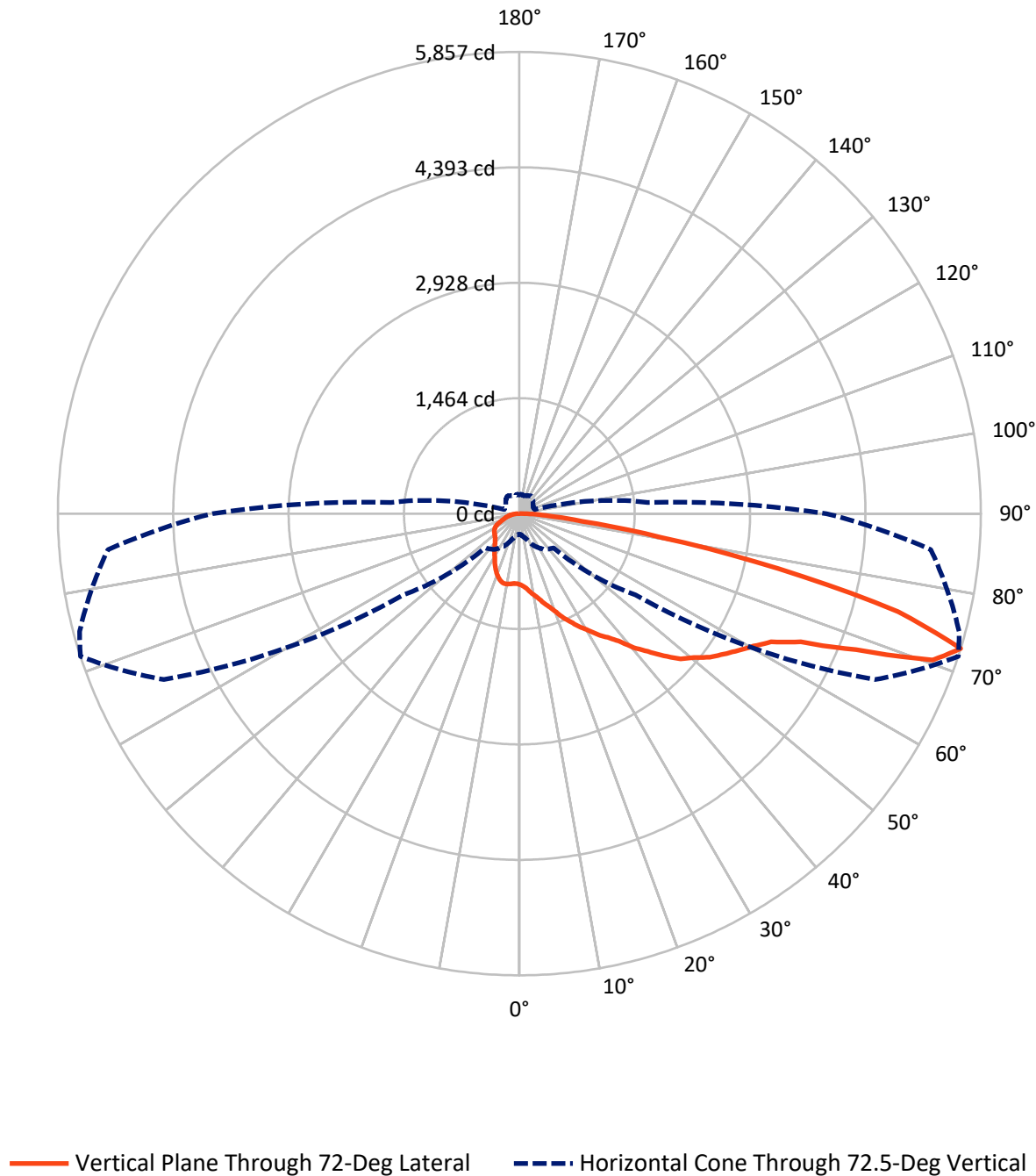


Based on 15 foot mounting height. Maximum calculated value = 5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1449.8	0.0	1449.8
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	5439.2	0.0	5439.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	6889.0	0.0	6889.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	1.3
10°-20°	276.5	4.0
20°-30°	478.4	6.9
30°-40°	706.6	10.3
40°-50°	1050.8	15.3
50°-60°	1440.6	20.9
60°-70°	1562.6	22.7
70°-80°	1101.6	16.0
80°-90°	183.0	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°	6889.0	100.0
0°-180°	6889.0	100.0

Coefficient of Utilization



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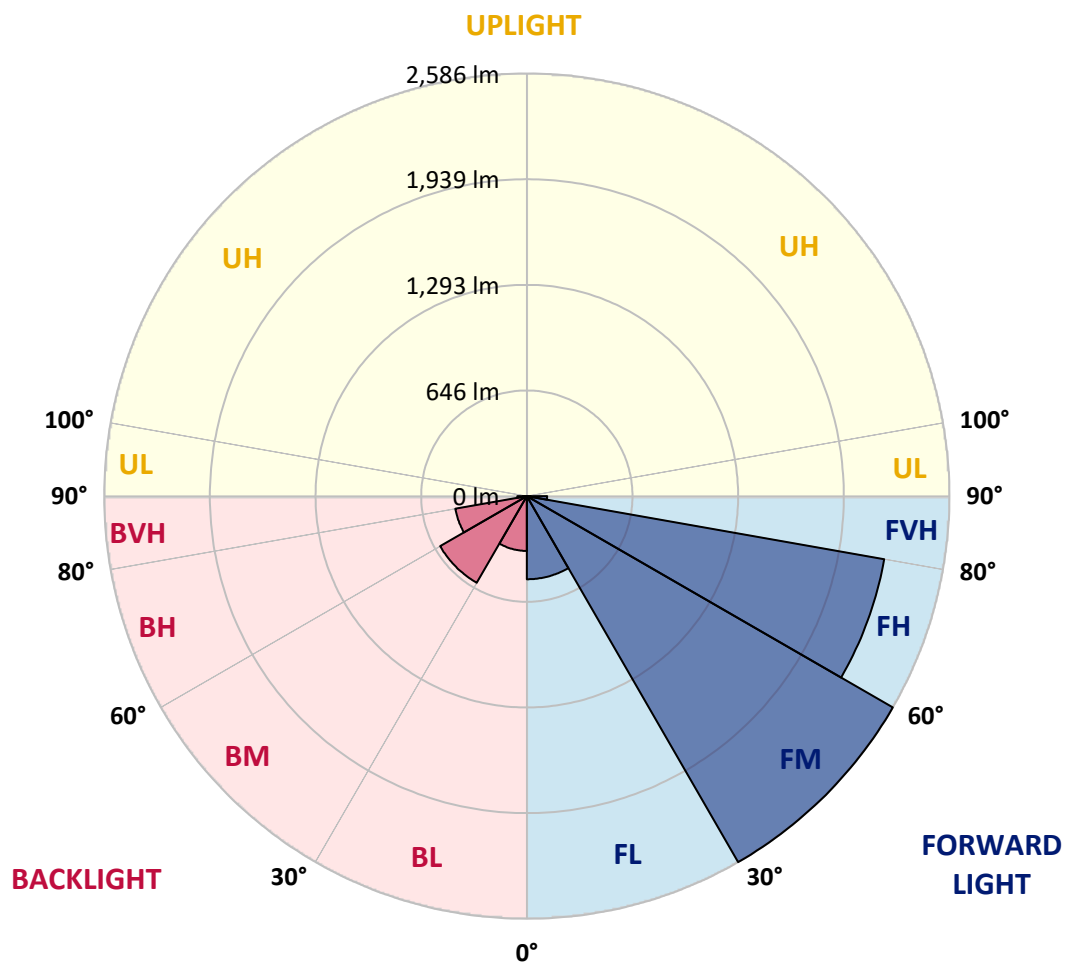
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	508.7	7.4			
FM	(30°-60°)	2585.6	37.5			
FH	(60°-80°)	2220.1	32.2			G2/5000
FVH	(80°-90°)	124.8	1.8			G2/225
BL	(0°-30°)	335.1	4.9	B1/500		
BM	(30°-60°)	612.4	8.9	B1/1000		
BH	(60°-80°)	444.1	6.4	B1/500		G1/500
BVH	(80°-90°)	58.3	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°	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9
2.5°	971.1	971.1	963.4	960.9	960.9	940.6	943.1	930.4	920.2	920.2	910.1
5°	1021.9	1016.8	1016.8	1016.8	1004.1	996.5	993.9	971.1	953.3	955.8	925.3
7.5°	1034.6	1037.2	1039.7	1052.4	1044.8	1049.9	1044.8	1019.4	1006.7	993.9	966.0
10°	1042.2	1047.3	1047.3	1065.1	1065.1	1077.8	1085.5	1075.3	1052.4	1039.7	993.9
12.5°	1060.0	1052.4	1062.6	1075.3	1088.0	1110.9	1133.8	1123.6	1108.3	1093.1	1042.2
15°	1060.0	1062.6	1070.2	1090.5	1110.9	1133.8	1174.4	1189.7	1182.1	1154.1	1100.7
17.5°	1029.5	1021.9	1057.5	1095.6	1133.8	1161.7	1215.1	1250.7	1245.6	1235.4	1154.1
20°	1032.1	1039.7	1052.4	1085.5	1146.5	1197.3	1263.4	1321.9	1334.6	1329.5	1225.3
22.5°	1077.8	1080.4	1093.1	1108.3	1156.6	1222.7	1321.9	1415.9	1438.8	1426.1	1304.1
25°	1123.6	1143.9	1143.9	1154.1	1171.9	1240.5	1360.0	1492.2	1525.2	1527.8	1385.4
27.5°	1197.3	1202.4	1217.6	1222.7	1238.0	1278.7	1403.2	1548.1	1624.4	1614.2	1459.1
30°	1283.7	1286.3	1296.5	1291.4	1293.9	1344.8	1443.9	1611.7	1715.9	1718.4	1538.0
32.5°	1385.4	1405.8	1410.8	1377.8	1382.9	1395.6	1507.4	1687.9	1830.3	1812.5	1606.6
35°	1535.4	1543.0	1527.8	1512.5	1474.4	1466.8	1573.5	1764.2	1929.4	1949.8	1708.3
37.5°	1721.0	1741.3	1721.0	1639.6	1599.0	1568.5	1654.9	1848.1	2048.9	2117.5	1810.0
40°	1893.8	1891.3	1871.0	1797.2	1726.1	1703.2	1771.8	1965.0	2234.5	2300.6	1957.4
42.5°	2033.7	2026.0	2013.3	1957.4	1891.3	1853.2	1906.5	2087.0	2389.5	2516.6	2127.7
45°	2155.7	2145.5	2148.0	2084.5	2020.9	2041.3	2041.3	2226.9	2572.6	2730.2	2323.4
47.5°	2270.1	2275.1	2267.5	2219.2	2170.9	2224.3	2196.3	2387.0	2753.1	2928.5	2488.7
50°	2402.3	2412.4	2387.0	2356.5	2313.3	2366.7	2331.1	2537.0	2870.0	3108.9	2687.0
52.5°	2526.8	2537.0	2559.9	2521.7	2478.5	2521.7	2440.4	2676.8	3025.1	3284.3	2839.5
55°	2557.3	2552.2	2679.3	2720.0	2742.9	2613.2	2537.0	2796.3	3147.1	3396.2	3012.3
57.5°	2417.5	2430.2	2603.1	2720.0	2964.0	2852.2	2646.3	2936.1	3274.2	3543.6	3172.5
60°	2069.2	2076.9	2292.9	2570.0	2925.9	3075.9	2941.2	3116.6	3414.0	3668.2	3353.0
62.5°	1382.9	1441.4	1710.8	2145.5	2656.5	3136.9	3411.5	3421.6	3584.3	3825.8	3599.6
65°	729.6	757.5	968.5	1319.3	2013.3	2925.9	3853.8	4026.6	3925.0	4115.6	3955.5
67.5°	477.9	488.1	602.5	800.8	1161.7	2135.3	3904.6	5076.5	4608.8	4667.2	4524.9
70°	355.9	361.0	444.9	592.3	719.4	1141.4	3200.5	5567.1	5564.6	5409.5	5201.1
72.5°	261.8	269.5	327.9	452.5	554.2	615.2	1799.8	4979.9	5856.9	5778.1	5241.7
75°	205.9	211.0	241.5	350.8	447.4	404.2	912.6	3688.5	4967.2	5346.0	4796.9
77.5°	167.8	172.9	190.7	254.2	358.4	312.7	437.2	2379.4	3368.2	3848.7	3670.7
80°	139.8	139.8	152.5	180.5	277.1	236.4	259.3	1337.1	1815.0	2003.1	1665.1
82.5°	119.5	116.9	127.1	132.2	205.9	170.3	167.8	605.0	798.2	846.5	625.3
85°	76.3	78.8	119.5	114.4	134.7	116.9	94.1	287.3	376.2	383.9	233.9
87.5°	30.5	30.5	50.8	63.6	76.3	71.2	45.8	129.6	165.2	165.2	66.1
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°	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9	899.9
2.5°	907.5	897.3	889.7	884.6	871.9	859.2	861.8	859.2	849.1	844.0	844.0
5°	917.7	907.5	894.8	874.5	861.8	846.5	851.6	841.4	831.3	838.9	826.2
7.5°	943.1	925.3	907.5	877.0	856.7	833.8	823.6	818.5	810.9	805.8	805.8
10°	978.7	953.3	920.2	874.5	841.4	805.8	800.8	790.6	783.0	783.0	780.4
12.5°	1014.3	986.3	930.4	856.7	800.8	775.3	772.8	775.3	780.4	783.0	785.5
15°	1060.0	1014.3	927.9	823.6	767.7	757.5	770.2	780.4	790.6	800.8	798.2
17.5°	1103.3	1049.9	905.0	783.0	739.7	742.3	765.2	785.5	805.8	816.0	818.5
20°	1161.7	1082.9	871.9	734.7	711.8	734.7	765.2	790.6	813.5	826.2	828.7
22.5°	1227.8	1121.1	828.7	691.4	688.9	711.8	742.3	780.4	805.8	828.7	826.2
25°	1286.3	1146.5	772.8	655.9	660.9	676.2	711.8	752.5	777.9	803.3	795.7
27.5°	1324.4	1151.6	714.3	630.4	630.4	645.7	678.7	704.2	727.0	747.4	749.9
30°	1367.6	1141.4	648.2	597.4	597.4	617.7	630.4	645.7	658.4	663.5	668.6
32.5°	1418.5	1118.5	607.6	572.0	572.0	587.2	594.8	589.8	587.2	574.5	582.1
35°	1466.8	1085.5	561.8	538.9	549.1	556.7	554.2	538.9	523.7	500.8	493.2
37.5°	1525.2	1052.4	521.1	503.3	521.1	523.7	523.7	505.9	485.5	457.6	457.6
40°	1614.2	1027.0	488.1	480.5	498.2	495.7	483.0	470.3	477.9	462.7	462.7
42.5°	1708.3	1016.8	457.6	460.1	467.7	470.3	457.6	442.3	472.8	455.0	457.6
45°	1825.2	1024.5	437.2	434.7	452.5	449.9	442.3	429.6	439.8	394.0	381.3
47.5°	1934.5	1039.7	427.1	416.9	437.2	442.3	432.2	404.2	388.9	361.0	355.9
50°	2033.7	1072.8	416.9	396.6	416.9	427.1	409.3	378.8	361.0	343.2	343.2
52.5°	2127.7	1121.1	411.8	373.7	391.5	404.2	394.0	363.5	343.2	335.6	327.9
55°	2224.3	1164.3	404.2	358.4	363.5	388.9	386.4	345.7	325.4	325.4	322.8
57.5°	2361.6	1222.7	394.0	333.0	343.2	371.1	371.1	338.1	315.2	317.8	320.3
60°	2501.4	1291.4	383.9	307.6	315.2	353.3	358.4	327.9	307.6	310.1	307.6
62.5°	2725.1	1418.5	363.5	277.1	292.3	330.5	343.2	315.2	297.4	302.5	302.5
65°	3063.2	1637.1	320.3	251.7	269.5	310.1	327.9	302.5	282.2	297.4	292.3
67.5°	3607.2	1937.1	269.5	231.3	254.2	289.8	310.1	287.3	269.5	292.3	284.7
70°	4095.3	2084.5	231.3	213.5	231.3	266.9	289.8	272.0	254.2	277.1	266.9
72.5°	3897.0	1634.5	200.8	193.2	211.0	241.5	269.5	251.7	233.9	246.6	236.4
75°	3363.2	1301.5	175.4	172.9	188.1	218.6	246.6	233.9	216.1	221.2	216.1
77.5°	2549.7	1075.3	150.0	147.4	160.2	195.7	221.2	211.0	193.2	190.7	190.7
80°	1138.8	528.7	124.6	124.6	132.2	167.8	188.1	183.0	165.2	162.7	160.2
82.5°	373.7	200.8	101.7	96.6	106.8	139.8	167.8	162.7	144.9	139.8	134.7
85°	150.0	96.6	73.7	73.7	83.9	116.9	150.0	139.8	116.9	104.2	104.2
87.5°	50.8	40.7	38.1	38.1	53.4	78.8	111.9	94.1	83.9	73.7	76.3
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)