

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: P674818

Luminaire Tested: **CCW-SA-2A-730-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674818
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-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4970 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

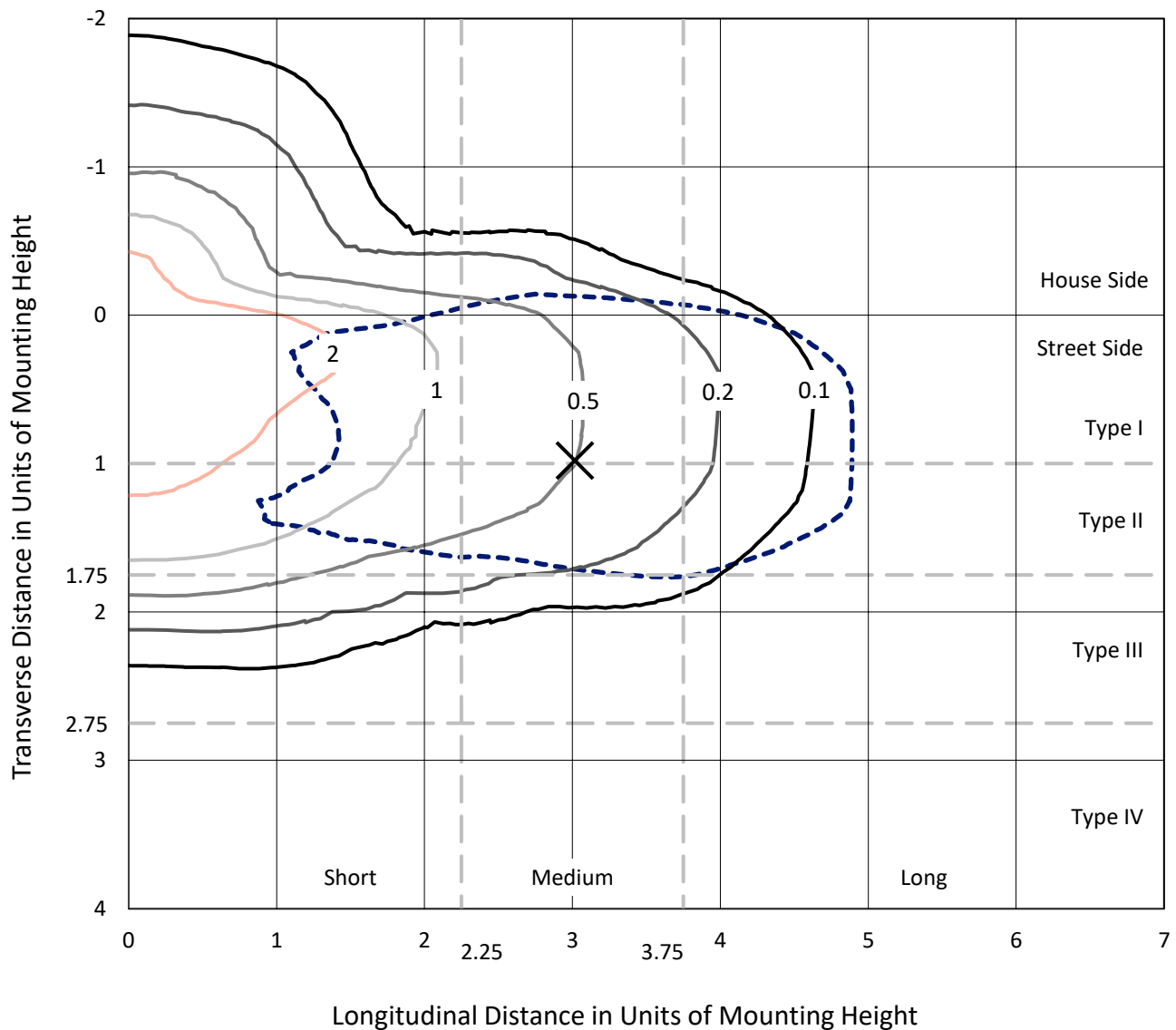
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

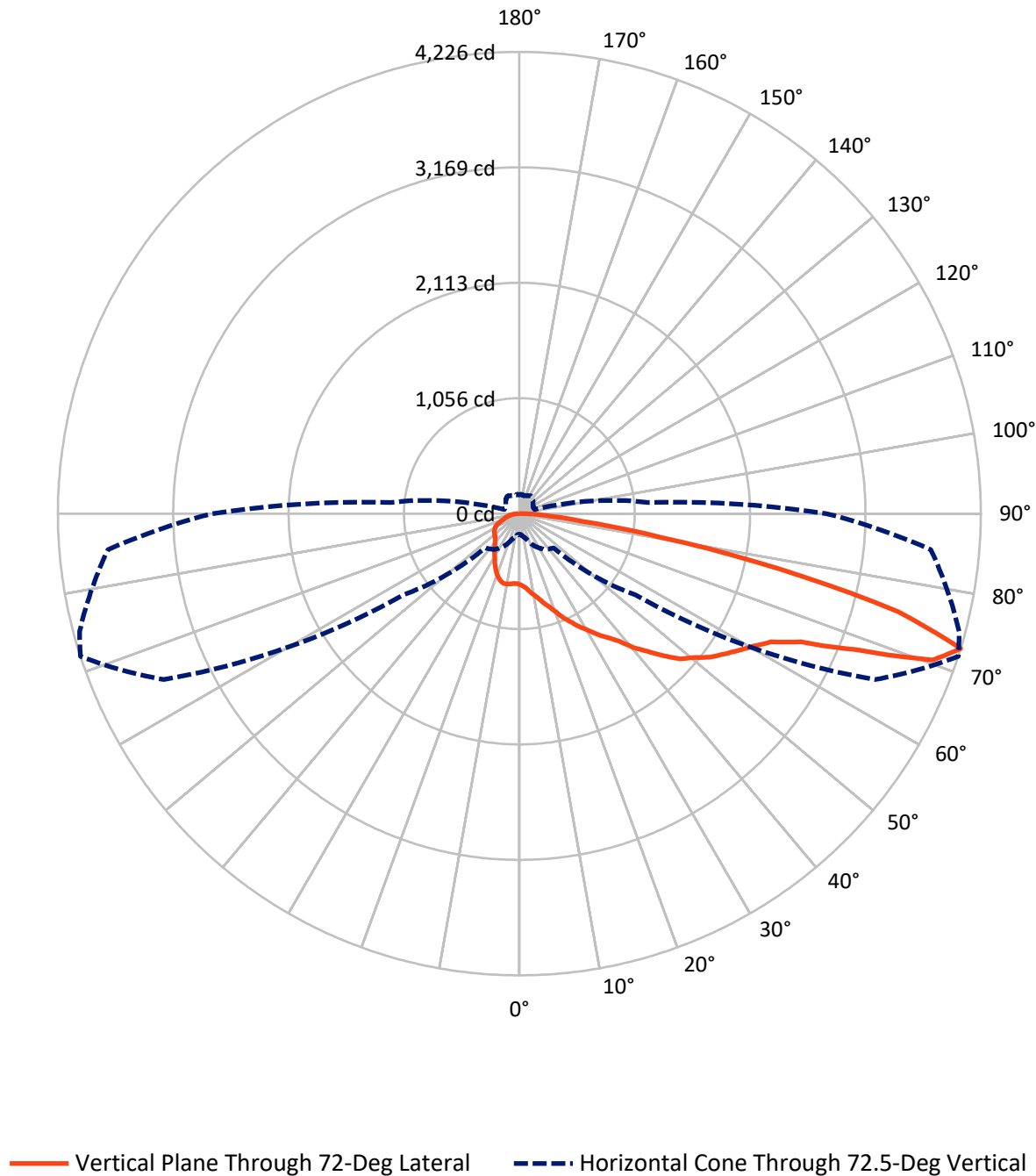
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 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	1046.0	0.0	1046.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3924.1	0.0	3924.1
	% Fixture	79.0	0.0	79.0
Total	Lumens	4970.0	0.0	4970.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	1.3
10°-20°	199.4	4.0
20°-30°	345.1	6.9
30°-40°	509.8	10.3
40°-50°	758.1	15.3
50°-60°	1039.3	20.9
60°-70°	1127.3	22.7
70°-80°	794.8	16.0
80°-90°	132.1	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°	4970.0	100.0
0°-180°	4970.0	100.0

Coefficient of Utilization



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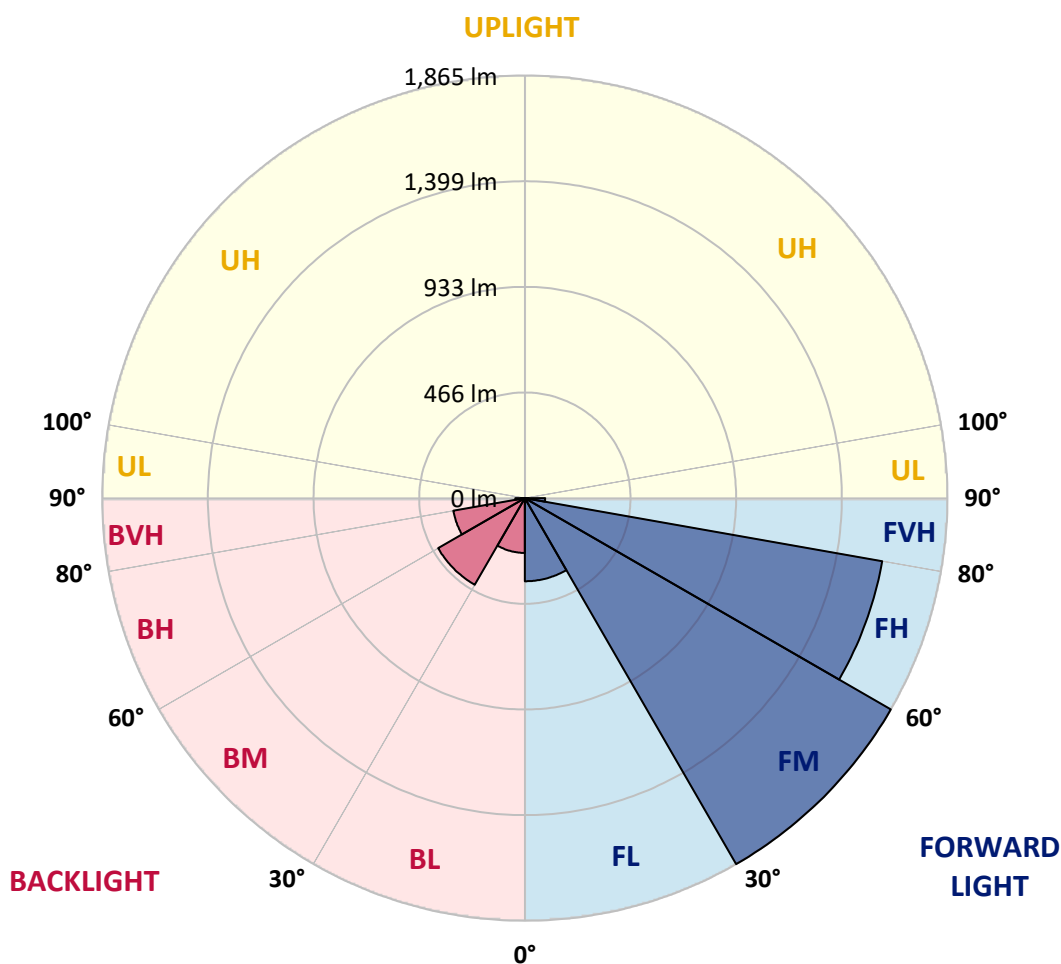
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	367.0	7.4			
FM	(30°-60°)	1865.4	37.5			
FH	(60°-80°)	1601.7	32.2			G1/1800
FVH	(80°-90°)	90.0	1.8			G1/100
BL	(0°-30°)	241.8	4.9	B1/500		
BM	(30°-60°)	441.8	8.9	B1/1000		
BH	(60°-80°)	320.4	6.4	B1/500		G1/500
BVH	(80°-90°)	42.0	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°	649.2	649.2	649.2	649.2	649.2	649.2	649.2	649.2	649.2	649.2	649.2
2.5°	700.6	700.6	695.1	693.2	693.2	678.6	680.4	671.2	663.9	663.9	656.6
5°	737.3	733.6	733.6	733.6	724.4	718.9	717.1	700.6	687.7	689.6	667.6
7.5°	746.4	748.3	750.1	759.3	753.8	757.4	753.8	735.4	726.3	717.1	696.9
10°	751.9	755.6	755.6	768.4	768.4	777.6	783.1	775.8	759.3	750.1	717.1
12.5°	764.8	759.3	766.6	775.8	784.9	801.4	817.9	810.6	799.6	788.6	751.9
15°	764.8	766.6	772.1	786.8	801.4	817.9	847.3	858.3	852.8	832.6	794.1
17.5°	742.8	737.3	762.9	790.4	817.9	838.1	876.6	902.3	898.6	891.3	832.6
20°	744.6	750.1	759.3	783.1	827.1	863.8	911.5	953.7	962.8	959.2	884.0
22.5°	777.6	779.4	788.6	799.6	834.5	882.1	953.7	1021.5	1038.0	1028.9	940.8
25°	810.6	825.3	825.3	832.6	845.5	895.0	981.2	1076.5	1100.4	1102.2	999.5
27.5°	863.8	867.5	878.5	882.1	893.1	922.5	1012.4	1116.9	1171.9	1164.6	1052.7
30°	926.2	928.0	935.3	931.7	933.5	970.2	1041.7	1162.7	1237.9	1239.8	1109.6
32.5°	999.5	1014.2	1017.9	994.0	997.7	1006.8	1087.5	1217.8	1320.5	1307.6	1159.1
35°	1107.7	1113.2	1102.2	1091.2	1063.7	1058.2	1135.2	1272.8	1392.0	1406.7	1232.4
37.5°	1241.6	1256.3	1241.6	1182.9	1153.6	1131.6	1193.9	1333.3	1478.2	1527.7	1305.8
40°	1366.3	1364.5	1349.8	1296.6	1245.3	1228.8	1278.3	1417.7	1612.1	1659.7	1412.2
42.5°	1467.2	1461.7	1452.5	1412.2	1364.5	1337.0	1375.5	1505.7	1723.9	1815.6	1535.0
45°	1555.2	1547.9	1549.7	1503.9	1458.0	1472.7	1472.7	1606.6	1856.0	1969.7	1676.2
47.5°	1637.7	1641.4	1635.9	1601.1	1566.2	1604.7	1584.5	1722.1	1986.2	2112.7	1795.5
50°	1733.1	1740.4	1722.1	1700.1	1668.9	1707.4	1681.7	1830.3	2070.6	2242.9	1938.5
52.5°	1823.0	1830.3	1846.8	1819.3	1788.1	1819.3	1760.6	1931.2	2182.4	2369.5	2048.5
55°	1845.0	1841.3	1933.0	1962.3	1978.9	1885.3	1830.3	2017.4	2270.5	2450.2	2173.3
57.5°	1744.1	1753.3	1878.0	1962.3	2138.4	2057.7	1909.2	2118.2	2362.2	2556.6	2288.8
60°	1492.9	1498.4	1654.2	1854.1	2110.9	2219.1	2121.9	2248.4	2463.0	2646.4	2419.0
62.5°	997.7	1039.9	1234.3	1547.9	1916.5	2263.1	2461.2	2468.5	2585.9	2760.1	2596.9
65°	526.3	546.5	698.7	951.8	1452.5	2110.9	2780.3	2905.0	2831.6	2969.2	2853.7
67.5°	344.8	352.1	434.7	577.7	838.1	1540.5	2817.0	3662.4	3325.0	3367.2	3264.5
70°	256.8	260.4	320.9	427.3	519.0	823.5	2309.0	4016.4	4014.6	3902.7	3752.3
72.5°	188.9	194.4	236.6	326.4	399.8	443.8	1298.4	3592.7	4225.5	4168.6	3781.6
75°	148.6	152.2	174.2	253.1	322.8	291.6	658.4	2661.1	3583.6	3856.8	3460.7
77.5°	121.0	124.7	137.5	183.4	258.6	225.6	315.4	1716.6	2430.0	2776.6	2648.3
80°	100.9	100.9	110.0	130.2	199.9	170.6	187.1	964.7	1309.5	1445.2	1201.2
82.5°	86.2	84.4	91.7	95.4	148.6	122.9	121.0	436.5	575.9	610.7	451.2
85°	55.0	56.9	86.2	82.5	97.2	84.4	67.9	207.2	271.4	276.9	168.7
87.5°	22.0	22.0	36.7	45.8	55.0	51.4	33.0	93.5	119.2	119.2	47.7
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°	649.2	649.2	649.2	649.2	649.2	649.2	649.2	649.2	649.2	649.2	649.2
2.5°	654.7	647.4	641.9	638.2	629.1	619.9	621.7	619.9	612.5	608.9	608.9
5°	662.1	654.7	645.6	630.9	621.7	610.7	614.4	607.0	599.7	605.2	596.0
7.5°	680.4	667.6	654.7	632.7	618.0	601.5	594.2	590.5	585.0	581.4	581.4
10°	706.1	687.7	663.9	630.9	607.0	581.4	577.7	570.4	564.9	564.9	563.0
12.5°	731.8	711.6	671.2	618.0	577.7	559.4	557.5	559.4	563.0	564.9	566.7
15°	764.8	731.8	669.4	594.2	553.9	546.5	555.7	563.0	570.4	577.7	575.9
17.5°	795.9	757.4	652.9	564.9	533.7	535.5	552.0	566.7	581.4	588.7	590.5
20°	838.1	781.3	629.1	530.0	513.5	530.0	552.0	570.4	586.9	596.0	597.9
22.5°	885.8	808.8	597.9	498.8	497.0	513.5	535.5	563.0	581.4	597.9	596.0
25°	928.0	827.1	557.5	473.2	476.8	487.8	513.5	542.9	561.2	579.5	574.0
27.5°	955.5	830.8	515.3	454.8	454.8	465.8	489.7	508.0	524.5	539.2	541.0
30°	986.7	823.5	467.7	431.0	431.0	445.7	454.8	465.8	475.0	478.7	482.3
32.5°	1023.4	806.9	438.3	412.6	412.6	423.6	429.1	425.5	423.6	414.5	420.0
35°	1058.2	783.1	405.3	388.8	396.1	401.6	399.8	388.8	377.8	361.3	355.8
37.5°	1100.4	759.3	376.0	363.1	376.0	377.8	377.8	365.0	350.3	330.1	330.1
40°	1164.6	740.9	352.1	346.6	359.5	357.6	348.5	339.3	344.8	333.8	333.8
42.5°	1232.4	733.6	330.1	331.9	337.5	339.3	330.1	319.1	341.1	328.3	330.1
45°	1316.8	739.1	315.4	313.6	326.4	324.6	319.1	309.9	317.3	284.3	275.1
47.5°	1395.7	750.1	308.1	300.8	315.4	319.1	311.8	291.6	280.6	260.4	256.8
50°	1467.2	773.9	300.8	286.1	300.8	308.1	295.3	273.3	260.4	247.6	247.6
52.5°	1535.0	808.8	297.1	269.6	282.4	291.6	284.3	262.3	247.6	242.1	236.6
55°	1604.7	840.0	291.6	258.6	262.3	280.6	278.8	249.4	234.7	234.7	232.9
57.5°	1703.8	882.1	284.3	240.2	247.6	267.8	267.8	243.9	227.4	229.2	231.1
60°	1804.6	931.7	276.9	221.9	227.4	254.9	258.6	236.6	221.9	223.7	221.9
62.5°	1966.0	1023.4	262.3	199.9	210.9	238.4	247.6	227.4	214.6	218.2	218.2
65°	2209.9	1181.1	231.1	181.6	194.4	223.7	236.6	218.2	203.6	214.6	210.9
67.5°	2602.4	1397.5	194.4	166.9	183.4	209.1	223.7	207.2	194.4	210.9	205.4
70°	2954.5	1503.9	166.9	154.1	166.9	192.6	209.1	196.2	183.4	199.9	192.6
72.5°	2811.5	1179.2	144.9	139.4	152.2	174.2	194.4	181.6	168.7	177.9	170.6
75°	2426.3	939.0	126.5	124.7	135.7	157.7	177.9	168.7	155.9	159.6	155.9
77.5°	1839.5	775.8	108.2	106.4	115.5	141.2	159.6	152.2	139.4	137.5	137.5
80°	821.6	381.5	89.9	89.9	95.4	121.0	135.7	132.0	119.2	117.4	115.5
82.5°	269.6	144.9	73.4	69.7	77.0	100.9	121.0	117.4	104.5	100.9	97.2
85°	108.2	69.7	53.2	53.2	60.5	84.4	108.2	100.9	84.4	75.2	75.2
87.5°	36.7	29.3	27.5	27.5	38.5	56.9	80.7	67.9	60.5	53.2	55.0
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)