

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: P674831

Luminaire Tested: **CCW-SA-2C-735-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674831
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-735-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T2 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8895.4 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

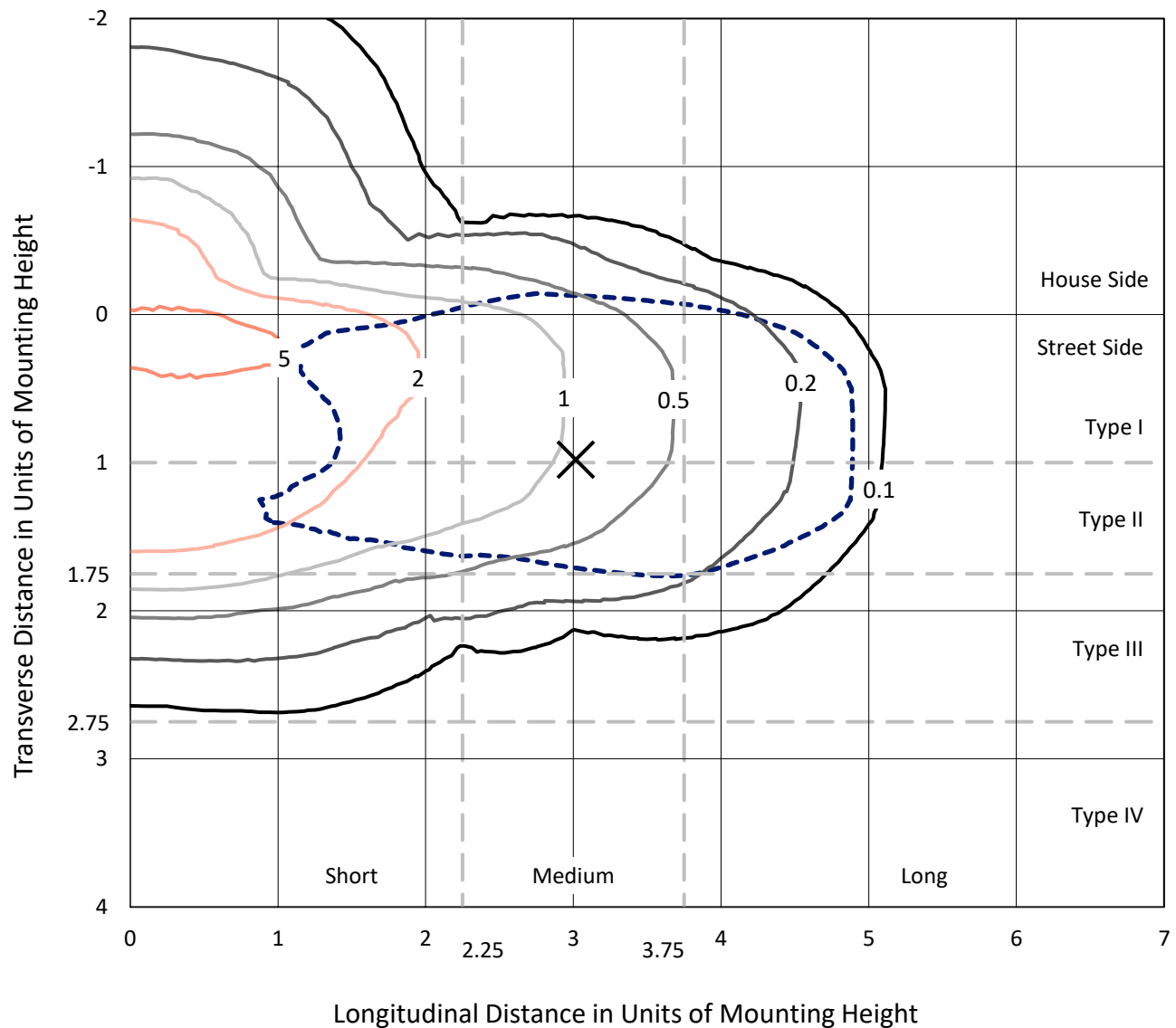
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

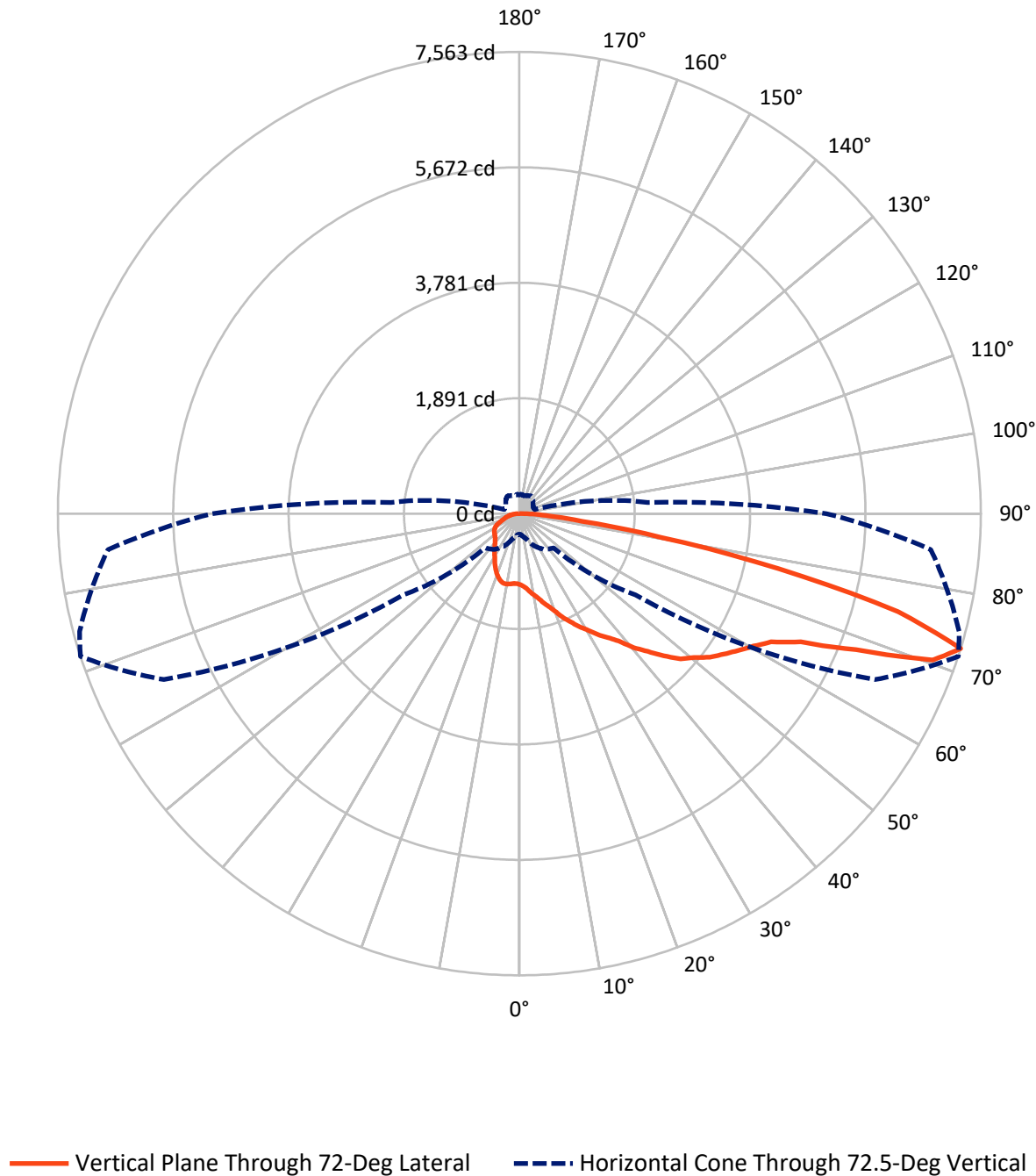
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 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	1872.1	0.0	1872.1
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	7023.3	0.0	7023.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	8895.4	0.0	8895.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	1.3
10°-20°	357.0	4.0
20°-30°	617.7	6.9
30°-40°	912.4	10.3
40°-50°	1356.8	15.3
50°-60°	1860.1	20.9
60°-70°	2017.7	22.7
70°-80°	1422.5	16.0
80°-90°	236.4	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°	8895.4	100.0
0°-180°	8895.4	100.0

Coefficient of Utilization



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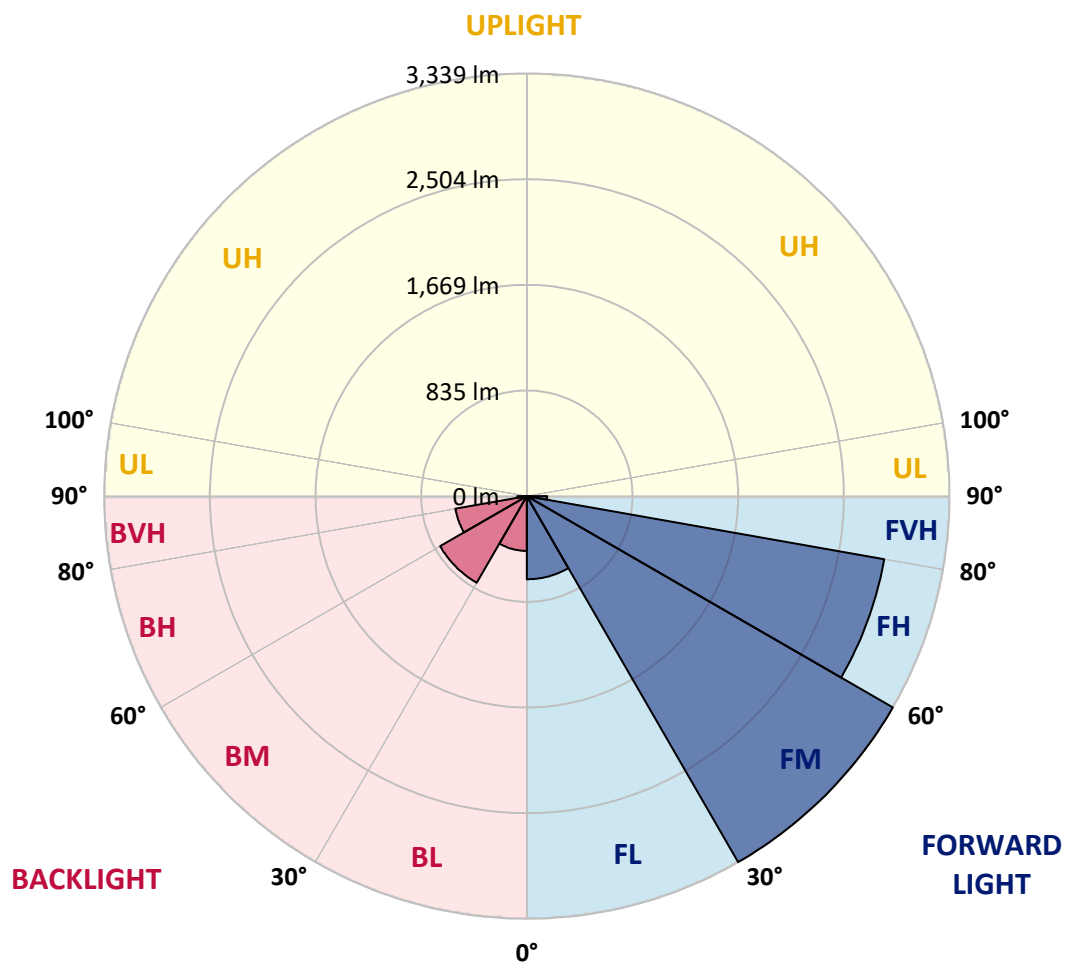
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	656.9	7.4			
FM	(30°-60°)	3338.6	37.5			
FH	(60°-80°)	2866.7	32.2			G2/5000
FVH	(80°-90°)	161.1	1.8			G2/225
BL	(0°-30°)	432.7	4.9	B1/500		
BM	(30°-60°)	790.7	8.9	B1/1000		
BH	(60°-80°)	573.5	6.4	B2/1000		G2/1000
BVH	(80°-90°)	75.2	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0
2.5°	1253.9	1253.9	1244.0	1240.8	1240.8	1214.5	1217.8	1201.4	1188.2	1188.2	1175.1
5°	1319.5	1313.0	1313.0	1313.0	1296.6	1286.7	1283.4	1253.9	1230.9	1234.2	1194.8
7.5°	1336.0	1339.2	1342.5	1358.9	1349.1	1355.7	1349.1	1316.3	1299.9	1283.4	1247.3
10°	1345.8	1352.4	1352.4	1375.3	1375.3	1391.8	1401.6	1388.5	1358.9	1342.5	1283.4
12.5°	1368.8	1358.9	1372.1	1388.5	1404.9	1434.4	1464.0	1450.8	1431.1	1411.5	1345.8
15°	1368.8	1372.1	1381.9	1408.2	1434.4	1464.0	1516.5	1536.2	1526.3	1490.2	1421.3
17.5°	1329.4	1319.5	1365.5	1414.7	1464.0	1500.1	1569.0	1615.0	1608.4	1595.3	1490.2
20°	1332.7	1342.5	1358.9	1401.6	1480.4	1546.0	1631.4	1706.9	1723.3	1716.7	1582.1
22.5°	1391.8	1395.0	1411.5	1431.1	1493.5	1578.9	1706.9	1828.3	1857.9	1841.5	1683.9
25°	1450.8	1477.1	1477.1	1490.2	1513.2	1601.8	1756.1	1926.8	1969.5	1972.8	1788.9
27.5°	1546.0	1552.6	1572.3	1578.9	1598.6	1651.1	1811.9	1999.0	2097.5	2084.4	1884.1
30°	1657.6	1660.9	1674.0	1667.5	1670.8	1736.4	1864.4	2081.1	2215.7	2218.9	1985.9
32.5°	1788.9	1815.2	1821.8	1779.1	1785.7	1802.1	1946.5	2179.5	2363.4	2340.4	2074.5
35°	1982.6	1992.4	1972.8	1953.1	1903.8	1894.0	2031.8	2278.0	2491.4	2517.6	2205.8
37.5°	2222.2	2248.5	2222.2	2117.2	2064.7	2025.3	2136.9	2386.3	2645.7	2734.3	2337.1
40°	2445.4	2442.1	2415.9	2320.7	2228.8	2199.2	2287.9	2537.3	2885.3	2970.6	2527.5
42.5°	2626.0	2616.1	2599.7	2527.5	2442.1	2392.9	2461.8	2694.9	3085.5	3249.6	2747.4
45°	2783.5	2770.4	2773.7	2691.6	2609.5	2635.8	2635.8	2875.4	3321.8	3525.4	3000.2
47.5°	2931.2	2937.8	2927.9	2865.6	2803.2	2872.1	2836.0	3082.2	3554.9	3781.4	3213.5
50°	3101.9	3115.0	3082.2	3042.8	2987.0	3056.0	3010.0	3275.9	3705.9	4014.4	3469.5
52.5°	3262.8	3275.9	3305.4	3256.2	3200.4	3256.2	3151.2	3456.4	3906.1	4240.9	3666.5
55°	3302.1	3295.6	3459.7	3512.2	3541.8	3374.4	3275.9	3610.7	4063.7	4385.4	3889.7
57.5°	3121.6	3138.0	3361.2	3512.2	3827.3	3682.9	3417.0	3791.2	4227.8	4575.7	4096.5
60°	2671.9	2681.8	2960.8	3318.6	3778.1	3971.8	3797.8	4024.3	4408.3	4736.6	4329.6
62.5°	1785.7	1861.1	2209.1	2770.4	3430.2	4050.5	4405.0	4418.2	4628.3	4940.1	4647.9
65°	942.1	978.2	1250.6	1703.6	2599.7	3778.1	4976.2	5199.4	5068.1	5314.3	5107.5
67.5°	617.1	630.2	777.9	1034.0	1500.1	2757.3	5041.8	6555.1	5951.1	6026.6	5842.8
70°	459.5	466.1	574.4	764.8	928.9	1473.8	4132.6	7188.6	7185.3	6985.1	6715.9
72.5°	338.1	347.9	423.4	584.3	715.6	794.4	2324.0	6430.3	7562.8	7461.0	6768.4
75°	265.9	272.4	311.8	453.0	577.7	521.9	1178.4	4762.8	6413.9	6903.0	6194.0
77.5°	216.6	223.2	246.2	328.2	462.8	403.7	564.6	3072.4	4349.2	4969.6	4739.9
80°	180.5	180.5	196.9	233.1	357.8	305.3	334.8	1726.6	2343.7	2586.6	2150.0
82.5°	154.3	151.0	164.1	170.7	265.9	219.9	216.6	781.2	1030.7	1093.1	807.5
85°	98.5	101.8	154.3	147.7	174.0	151.0	121.5	370.9	485.8	495.6	302.0
87.5°	39.4	39.4	65.6	82.1	98.5	91.9	59.1	167.4	213.4	213.4	85.3
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°	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0	1162.0
2.5°	1171.8	1158.7	1148.9	1142.3	1125.9	1109.5	1112.8	1109.5	1096.3	1089.8	1089.8
5°	1185.0	1171.8	1155.4	1129.2	1112.8	1093.1	1099.6	1086.5	1073.4	1083.2	1066.8
7.5°	1217.8	1194.8	1171.8	1132.4	1106.2	1076.6	1063.5	1056.9	1047.1	1040.5	1040.5
10°	1263.7	1230.9	1188.2	1129.2	1086.5	1040.5	1034.0	1020.8	1011.0	1011.0	1007.7
12.5°	1309.7	1273.6	1201.4	1106.2	1034.0	1001.1	997.9	1001.1	1007.7	1011.0	1014.3
15°	1368.8	1309.7	1198.1	1063.5	991.3	978.2	994.6	1007.7	1020.8	1034.0	1030.7
17.5°	1424.6	1355.7	1168.6	1011.0	955.2	958.5	988.0	1014.3	1040.5	1053.7	1056.9
20°	1500.1	1398.3	1125.9	948.6	919.1	948.6	988.0	1020.8	1050.4	1066.8	1070.1
22.5°	1585.4	1447.6	1070.1	892.8	889.5	919.1	958.5	1007.7	1040.5	1070.1	1066.8
25°	1660.9	1480.4	997.9	846.9	853.4	873.1	919.1	971.6	1004.4	1037.3	1027.4
27.5°	1710.2	1486.9	922.4	814.0	814.0	833.7	876.4	909.2	938.8	965.0	968.3
30°	1766.0	1473.8	837.0	771.4	771.4	797.6	814.0	833.7	850.2	856.7	863.3
32.5°	1831.6	1444.3	784.5	738.6	738.6	758.2	768.1	761.5	758.2	741.8	751.7
35°	1894.0	1401.6	725.4	695.9	709.0	718.9	715.6	695.9	676.2	646.6	636.8
37.5°	1969.5	1358.9	672.9	649.9	672.9	676.2	676.2	653.2	626.9	590.8	590.8
40°	2084.4	1326.1	630.2	620.4	643.4	640.1	623.7	607.3	617.1	597.4	597.4
42.5°	2205.8	1313.0	590.8	594.1	604.0	607.3	590.8	571.1	610.5	587.6	590.8
45°	2356.8	1322.8	564.6	561.3	584.3	581.0	571.1	554.7	567.9	508.8	492.4
47.5°	2497.9	1342.5	551.5	538.3	564.6	571.1	558.0	521.9	502.2	466.1	459.5
50°	2626.0	1385.2	538.3	512.1	538.3	551.5	528.5	489.1	466.1	443.1	443.1
52.5°	2747.4	1447.6	531.8	482.5	505.5	521.9	508.8	469.4	443.1	433.3	423.4
55°	2872.1	1503.4	521.9	462.8	469.4	502.2	498.9	446.4	420.2	420.2	416.9
57.5°	3049.4	1578.9	508.8	430.0	443.1	479.2	479.2	436.6	407.0	410.3	413.6
60°	3229.9	1667.5	495.6	397.2	407.0	456.3	462.8	423.4	397.2	400.5	397.2
62.5°	3518.8	1831.6	469.4	357.8	377.5	426.7	443.1	407.0	384.0	390.6	390.6
65°	3955.4	2113.9	413.6	325.0	347.9	400.5	423.4	390.6	364.4	384.0	377.5
67.5°	4657.8	2501.2	347.9	298.7	328.2	374.2	400.5	370.9	347.9	377.5	367.6
70°	5288.0	2691.6	298.7	275.7	298.7	344.7	374.2	351.2	328.2	357.8	344.7
72.5°	5032.0	2110.6	259.3	249.5	272.4	311.8	347.9	325.0	302.0	318.4	305.3
75°	4342.7	1680.6	226.5	223.2	242.9	282.3	318.4	302.0	279.0	285.6	279.0
77.5°	3292.3	1388.5	193.7	190.4	206.8	252.7	285.6	272.4	249.5	246.2	246.2
80°	1470.5	682.7	160.8	160.8	170.7	216.6	242.9	236.3	213.4	210.1	206.8
82.5°	482.5	259.3	131.3	124.7	137.9	180.5	216.6	210.1	187.1	180.5	174.0
85°	193.7	124.7	95.2	95.2	108.3	151.0	193.7	180.5	151.0	134.6	134.6
87.5°	65.6	52.5	49.2	49.2	68.9	101.8	144.4	121.5	108.3	95.2	98.5
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)